



Hospital-Acquired Infections in New York State, 2022

Part 1: Summary for Consumers

Table of Contents

Introduction	3
Surgical Site Infections	4
Catheter-Associated Infections	5
Laboratory-identified (LabID) Infections	6
<i>Clostridioides difficile</i> Infections (CDIs)	7
Carbapenem-resistant Enterobacterales (CRE) Infections	8
Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA)	9
Hospital Performance	10
Role of the State Health Department	23
What Patients Can Do To Prevent Infections	24

Introduction

What is the purpose of this report?

Hospital-acquired infections (HAIs) are infections that patients can get while receiving treatment in a hospital. New York State (NYS) monitors HAI rates to ensure patient safety and provide the public with data to compare hospital infection rates. This report describes the HAIs that occurred in NYS hospitals in 2022.

This report provides information on six types of HAIs:

1. Surgical site infections (SSIs) following colon, coronary artery bypass graft, hip replacement, hysterectomy, and spinal fusion procedures
2. Central line-associated bloodstream infections (CLABSIs)
3. Catheter-associated urinary tract infections (CAUTIs)
4. *Clostridioides difficile* infections (CDIs)
5. Carbapenem-resistant Enterobacterales infections (CREs)
6. Methicillin-resistant *Staphylococcus aureus* (MRSA) bloodstream infections (BSIs)

These HAIs do not represent all possible HAIs, but they were selected because they are common, may have severe complications, have rates that can be compared between facilities, and are largely preventable when healthcare providers use infection prevention and control steps recommended by the Centers for Disease Control and Prevention (CDC).

Where do the numbers come from?

Hospitals report to the NYS Department of Health (NYSDOH) using the CDC's National Healthcare Safety Network (NHSN). This online system allows hospitals in NYS and CDC to both monitor the same data. All hospitals follow the same surveillance methods. Additional information about the NHSN can be found at <http://www.cdc.gov/nhsn/>.

Pursuant to requirements in NYS public health law §2819, NYS acute care hospitals have been required to report HAIs since 2007. In 2022, NYS required hospitals to report SSIs, CLABSIs, CDIs, and CRE infections. In addition, hospitals report data to NHSN to participate in programs offered by the Centers for Medicare and Medicaid Services (CMS). Data on CAUTIs and MRSA-BSIs are available because of a data use agreement (DUA) that allows NYSDOH HAI staff to see NHSN data and use it for surveillance and prevention purposes. NYS measures are reported for individual hospitals, while DUA measures are only summarized at the state level because the DUA prohibits the use of the data for public reporting of facility-specific data. Data from Federal (e.g., Veterans Administration) hospitals are not available either under public health law or the DUA.

Surgical Site Infections (SSIs)

SSIs are infections that occur in the part of the body where surgery took place. SSIs might only involve the skin, or they might be more serious and involve deeper tissue and organs. NYS requires hospitals to report five types of SSIs:

- **Colon surgery** is a procedure performed on the lower part of the digestive tract, called the large intestine or colon.
- **Hip replacement or revision surgery** involves removing damaged cartilage and bone from the hip joint and replacing or resurfacing them with new parts.
- **Abdominal hysterectomy** is the surgical removal of the uterus through an incision in the abdominal wall.
- **Coronary artery bypass graft (CABG) surgery** is a procedure performed for heart disease in which a vein or artery from the chest or another part of the body (termed the “donor site”) is used to create an alternate path for blood to flow to the heart, bypassing a blocked artery.
- **Spinal fusion** is a procedure to permanently connect two or more vertebrae in the spine, eliminating motion between them.

SSIs can occur if germs enter the body at the surgical incision site. Signs and symptoms might include fever, pain, redness, and drainage (e.g., pus).

The infection rate is the number of SSIs divided by the total number of procedures. Results from 2022 for all NYS hospitals are summarized below. SSIs were most frequent after colon surgery. Colon SSIs may be more difficult to prevent because the colon naturally contains large numbers of germs.

Type of Surgery	Number of Infections	Number of Procedures	Infection Rate	2022 rate compared to 2015
Colon	682	18,770	3.6/100 procedures	Improved 35%
Hip	281	29,154	0.96/100 procedures	Unchanged
Abdominal hysterectomy	123	12,721	0.97/100 procedures	Improved 21%
Coronary artery bypass graft ¹	98	9,392	1.04/100 procedures	Improved 43%
Spinal fusion	347	25,870	1.34/100 procedures	Not applicable

2022 NYS data reported as of June 15, 2023. ¹chest-site SSIs.

Catheter-Associated Infections

A central venous catheter (CVC) is a tube that is placed into a large vein, usually in the neck, chest, arm, or groin, and is used to give fluids and medications, withdraw blood, and monitor the patient’s condition. A CVC is different from a standard intravenous (IV) line because it goes farther into the body, ending near the heart, and because it may be used for weeks or even months.

A urinary catheter is a tube that is inserted into the bladder through the urethra to drain urine when a patient cannot urinate.

Infections can sometimes occur when germs travel around or through the tube and enter the urinary tract or bloodstream.

NYS monitors bloodstream infections associated with CVC use. In addition, CMS monitors urinary tract infections (UTIs) associated with urinary catheter use. These infections are monitored in intensive care units and other medical/surgical units with patients with less critical conditions.

The risk of infection increases with the number of days a catheter is used. For this reason, infection rates are based on the total number of days catheters are used, rather than simply the number of patients. To calculate “catheter-days” a count of patients with each type of catheter is performed at the same time each day. The daily counts are added up for the entire year to give the catheter-days for that year.

Type of Catheter	Number of Infections	Number of Catheter-Days	Infection Rate	2022 rate compared to 2015
CVC	1531	1,572,621	0.97/1,000 CVC days	improved 13%
Urinary	1145	1,312,594	0.87/1,000 UC days	improved 38%

2022 NYS data reported as of June 15, 2023, CVC excludes mucosal barrier injury (MBI)-CLABSIs and bloodstream infections associated with use of extracorporeal membrane oxygenation and ventricular assist devices, observed or suspected patient injection into a vascular line, known or suspected Munchausen Syndrome by Proxy (MSbP), epidermolysis bullosa (EB), pus at another vascular access device site matches an organism identified in the blood and Group B Streptococcus BSIs in infants during the first 6 days of life.

Laboratory-identified (LabID) infections

LabID infections are identified based on laboratory testing and hospital admission and discharge data, rather than by clinical chart review. LabID cases are separated into reporting categories based on the time between hospital admission and specimen collection.

Admission Prevalent			Hospital onset			
Day 1 (Admission)	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7+

- Cases termed “admission prevalent”, or “community-onset (CO)” are cases where the specimen was obtained during the first three days of the patient’s inpatient stay. These cases are presumed to be unrelated to the patient’s stay in that hospital.
- Cases termed “hospital-onset (HO)” are cases where the specimen was obtained on day four or later of the hospital stay.

HO rates are the primary focus for this report because HO cases can be prevented or reduced in the hospital by appropriate antibiotic prescribing and by following infection prevention guidelines for hand hygiene, use of gowns and gloves, and equipment and environmental cleaning and disinfection.

NYS requires that hospitals report two types of LabID infections: *Clostridioides difficile* infections (CDIs) and carbapenem-resistant Enterobacterales (CRE) infections. Hospitals report methicillin-resistant *Staphylococcus aureus* (MRSA) BSIs to participate in CMS reporting programs.

***Clostridioides difficile* Infections (CDI)**

Clostridioides difficile is a type of bacteria that can cause diarrhea and intestinal damage. The elderly and those who have recently taken antibiotics are at greatest risk for developing CDI. When people take antibiotics, beneficial bacteria that protect against infection may be destroyed along with the harmful bacteria. The types of bacteria in the intestines might be altered for several months. During this time, patients can get sick from *Clostridioides difficile* acquired from contaminated surfaces or health care providers' hands.

CDI is the most common of all HAI indicators in this report. In 2022, 3,542 cases were detected after the third day of hospitalization, implying that the bacteria that caused the infection were acquired during that hospital visit or that medical interventions during that hospital visit led to infection in a person already colonized (present but not causing symptoms of illness) with the bacteria. Over 6,400 additional cases were detected in the emergency department or early in the hospital stay; these cases are likely related to previous healthcare exposures.

The longer a person stays in the hospital, the higher the total risk of acquiring an infection in the hospital, so the HO rate is reported using a denominator of “patient-days”. To calculate patient-days a count of patients is performed at the same time each day. The daily counts are added up for the entire year to give the patient days for that year. The CDI HO rate is defined as the number of new CDIs identified more than three days after hospital admission, per 10,000 patient-days.

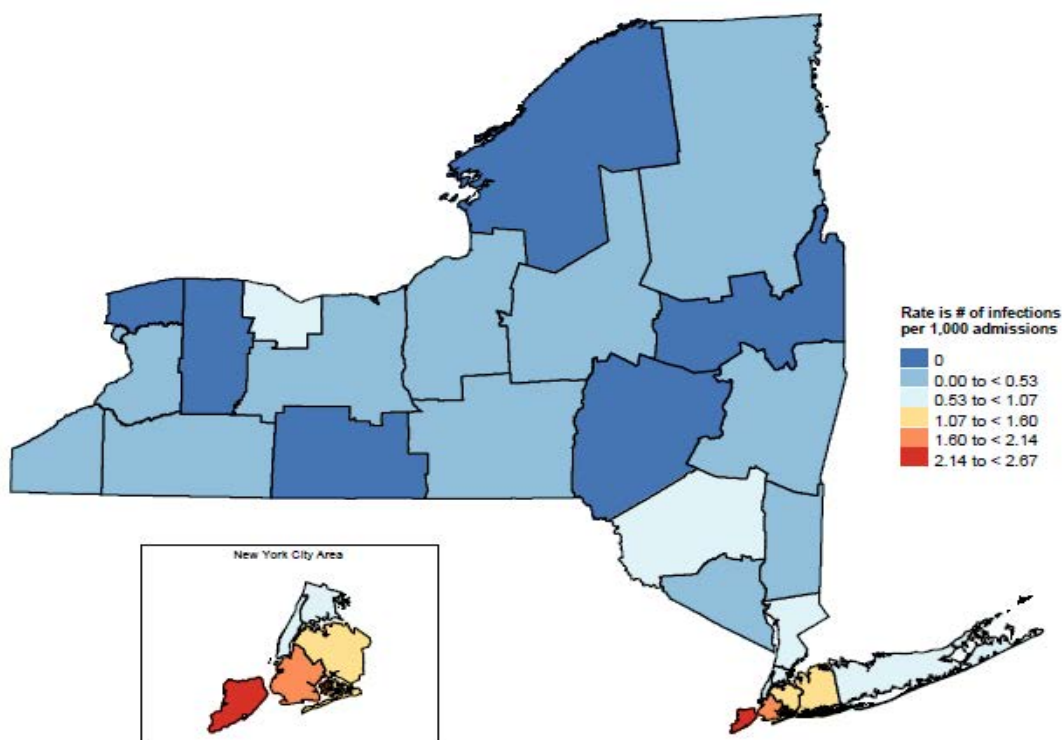
CDI rate	Number of Infections	Number of Patient-Days	Infection Rate	2022 rate compared to 2015
HO	3,402	10,297,945	3.30/10,000 patient days	Improved 56%

2022 NYS data reported as of June 15, 2023.

Carbapenem-resistant Enterobacterales (CRE) Infections

Enterobacterales are a class of bacteria that are normally found in the intestines. They cause infections if they spread to other locations in the body (e.g., through surgery or trauma), or are introduced into other body sites by contact with an infected person or contaminated surfaces. They are called carbapenem-resistant when they become resistant to most antibiotics, including a class of antibiotics called carbapenems. Infections with CRE are difficult to treat because most antibiotics do not work against them. Healthy people usually do not get CRE infections. CRE infections are more likely to affect patients with compromised immune systems and those who have invasive devices like ventilators and catheters. CRE infections are currently most common in the downstate area.

CRE Infection Overall Inpatient Prevalence Rate, 2022



CRE is most deadly when it enters the bloodstream. Rates of new bloodstream infections and the overall infection rate at all body sites are summarized below. CRE that is identified in non-sterile body sites like skin or urine might represent colonization, but these events are counted as infections for this report.

CRE rates	Number of New Infections	Number of Patient Days	Infection Rate	2022 rate compared to 2015
HO – BSI*	220	10,967,475	0.20/10,000 patient days	Improved 9%
HO – all sites	1011	10,967,475	0.92/10,000 patient days	Improved 21%

NYS data reported as of June 15, 2023. *BSI: bloodstream infection

Methicillin-resistant *Staphylococcus aureus* (MRSA) Infections

Staphylococcus aureus (*S. aureus*) is a common type of bacteria normally found on the skin or in the nose of 20 to 30 percent of healthy individuals. When *S. aureus* is resistant to the antibiotics oxacillin, cefoxitin, or methicillin, it is called MRSA. MRSA infections can cause a broad range of signs and symptoms depending on the patient’s health and the part of the body that is infected. One of the most serious types of infection occurs in the blood, called a bloodstream infection (MRSA-BSI).

MRSA has been present in NYS and the rest of the country for many years. In 2022, 747 cases of MRSA-BSI were detected after the third day of hospitalization, implying that the bacteria that caused the infection were acquired during that hospital visit or that medical interventions during that hospital visit led to infection in a person colonized with MRSA. An additional 3,816 positive blood samples were detected in the emergency department or early in the hospital stay; these cases are not likely related to that hospital admission. Rates of new HO infections are summarized below.

MRSA Infection rate	Number of New Bloodstream Infections	Number of Patient Days	Infection Rate	2022 rate compared to 2015
HO	747	10,928,210	0.68/10,000 patient days	same

NYS data reported as of June 15, 2023.

Hospital Performance

To evaluate hospital performance, NYS asks the question,

“How did each hospital perform in 2022 compared to the NYS 2022 average?”

This comparison is performed separately by type of HAI (i.e., SSI, CLABSI, and CDI; CRE was not included due to the lack of a suitable risk adjustment model). The comparison considers differences in patient populations related to severity of illness and other factors that may affect the risk of developing an HAI. A hospital that performs many complex procedures on very sick patients would be expected to have a higher infection rate than a hospital that performs more routine procedures on healthier patients. Therefore, before comparing the infection rates of hospitals, it is important to adjust for the proportion of high and low risk patients. DOH predicts the number of infections based on the NYS average infection rate for similar patients, then divides the number of observed infections by the number of predicted infections. This is called the standardized infection ratio (SIR).

- An SIR above 1.0 means that the infection rate at the hospital is higher than the state average, even after adjusting for differences in that hospital’s patient population. The difference above 1.0 is the percentage by which the infection rate exceeds that of the state average. For example, a hospital SIR of 1.12 indicates that the hospital performed 12% worse than the state average. **If the SIR is significantly higher than 1, the result is highlighted in red.**
- An SIR below 1.0 means that the infection rate is lower than the state average after adjusting for differences in that hospital’s patient population. The difference below 1.0 is the percentage by which the infection rate is lower than that of the state average. For example, a hospital SIR of 0.85 indicates that the hospital performed 15% better than the state average. **If the SIR is significantly lower than 1, the result is highlighted in blue.**
- An SIR of 1.0 means the observed number of infections is equal to the number of predicted infections. If the SIR is not significantly different from the state average, the result is highlighted in grey.
- No SIR was calculated when there was not enough data for a hospital.

More detailed information on the risk adjustment method and hospital performance is available in Part 2: Technical Report. For CLABSIs, infection rates were presented by number of CLABSIs per 1,000 central line days by unit type.

Hospital-Acquired Infection Data, New York State, 2022

		Colon SSI		CABG Chest SSI		Hip SSI		Hyst SSI		Fusion SSI		CDI	
Hospital	Year	Obs/Pred	SIR	Obs/Pred	SIR	Obs/Pred	SIR	Obs/Pred	SIR	Obs/Pred	SIR	Obs/Pred	SIR
AO Fox Memorial	2022	NA	NA			0/0.2	0.00			NA	NA	3/1.3	2.32
Adirondack Medical	2022	1/1.2	0.86			2/1.5	1.32	NA	NA			5/3.0	1.69
Albany Med Ctr	2022	27/16.9	^ 1.60	4/3.2	1.24	5/3.9	1.29	1/1.9	0.52	4/7.2	0.55	45/41.3	1.09
Alice Hyde Med Ctr	2022	NA	NA			NA	NA	NA	NA			3/2.2	1.39
Arnot Ogden Med Ctr	2022	0/1.0	0.00			2/1.5	1.33	0/0.2	0.00	0/0.7	0.00	3/13.9	* 0.22
Auburn Memorial	2022	0/2.0	0.00			1/1.8	0.56	0/0.3	0.00			3/3.8	0.80
Bellevue Ellis	2022							0/0.3	0.00			NA	NA
Bellevue Hospital	2022	1/4.8	0.21	1/0.9	1.13	1/1.1	0.92	1/1.3	0.77	0/1.2	0.00	74/60.6	1.22
Blythedale Childrens	2022											NA	NA
Bon Secours	2022	NA	NA			NA	NA	0/0.2	0.00			1/2.6	0.38
Bronx-Lebanon	2022	3/2.2	1.35			0/0.8	0.00	2/1.3	1.52	3/0.6	^ 5.25	21/29.5	0.71
Brookdale Hospital	2022	5/4.7	1.07			0/0.3	0.00	0/0.5	0.00	0/1.9	0.00	13/22.6	0.58
Brooklyn Hosp Ctr	2022	0/2.3	0.00			2/0.9	2.28	2/1.6	1.22	0/0.4	0.00	3/16.9	* 0.18
Brooks Memorial	2022	NA	NA			NA	NA	NA	NA			3/2.3	1.29
Buffalo General	2022	1/6.2	* 0.16	5/6.4	0.78	10/6.0	1.67	NA	NA	14/15.0	0.94	109/61.5	^ 1.77
Calvary Hospital	2022											NA	NA
Canton-Potsdam	2022	2/1.9	1.07			1/0.7	1.34	1/0.3	3.22			16/5.8	^ 2.76
Cayuga Medical Ctr	2022	2/1.2	1.69			0/2.0	0.00	NA	NA	1/0.4	2.60	5/9.3	0.54
Champlain Valley	2022	6/3.4	1.75			2/1.2	1.63	2/0.6	3.31	NA	NA	26/15.6	1.66
Claxton-Hepburn	2022	NA	NA			0/0.7	0.00	NA	NA	NA	NA	8/6.2	1.29
Clifton Springs	2022	NA	NA			2/2.0	0.98	NA	NA			1/4.7	0.21
Cohens Childrens	2022	0/0.7	0.00							1/0.3	3.11	NA	NA
Columbia Memorial	2022	4/2.4	1.66			0/1.1	0.00	2/1.0	1.98			26/7.4	^ 3.52
Corning Hospital	2022	0/1.5	0.00			1/0.7	1.50	0/0.3	0.00			4/5.8	0.68
Cortland Reg Med	2022	0/1.1	0.00			NA	NA	NA	NA			8/6.1	1.31
Crouse Hospital	2022	13/10.3	1.26			6/5.2	1.16	4/4.0	1.00	13/6.1	^ 2.13	17/21.5	0.79
Ellis Hospital	2022	1/3.7	0.27	0/1.1	0.00	1/1.5	0.65	0/0.2	0.00	0/0.2	0.00	5/11.3	0.44
Elmhurst Hospital	2022	4/4.5	0.89			0/0.8	0.00	1/1.4	0.71	2/1.7	1.20	22/30.5	0.72
Erie County Med Ctr	2022	0/3.0	* 0.00			2/1.7	1.17			11/7.6	1.45	69/42.3	^ 1.63
FF Thompson	2022	8/3.6	2.20			0/0.8	0.00	NA	NA	0/0.5	0.00	9/6.1	1.49
Faxton St. Lukes	2022	2/2.3	0.87			NA	NA	2/0.3	6.92	0/0.8	0.00	14/9.3	1.51
Flushing Hospital	2022	2/1.7	1.16			0/0.2	0.00	NA	NA			13/10.6	1.22
Garnet Catskills	2022	1/1.3	0.75			NA	NA	NA	NA			6/7.5	0.81
Garnet Middletown	2022	9/6.9	1.30			6/4.1	1.47	0/1.5	0.00	2/0.6	3.40	82/31.0	^ 2.65
Geneva General	2022	0/1.5	0.00			0/0.6	0.00			2/0.7	2.72	8/9.1	0.88
Glen Cove Hospital	2022	1/2.0	0.49			0/0.3	0.00	NA	NA			4/17.5	* 0.23
Glens Falls Hospital	2022	9/5.7	1.58			0/1.8	0.00	NA	NA	NA	NA	10/9.5	1.05
Good Samar. Suffern	2022	1/2.7	0.36	1/0.9	1.14	1/1.5	0.68	0/0.3	0.00	NA	NA	12/16.6	0.72
Good Samar. W Islip	2022	4/7.5	0.53	0/2.2	0.00	3/2.3	1.31	3/2.5	1.22	2/6.9	0.29	45/39.4	1.14
Harlem Hospital	2022	1/2.0	0.49			NA	NA	NA	NA	0/0.3	0.00	6/14.9	0.40
Henry J. Carter	2022											NA	NA
Highland Hospital	2022	10/5.2	1.93			9/10.9	0.82	5/2.9	1.73	5/3.0	1.68	14/13.8	1.02
Hosp for Spec Surg	2022					23/33.7	0.68			17/17.9	0.95	NA	NA
Huntington Hospital	2022	6/7.2	0.83			0/2.1	0.00	0/0.8	0.00	3/4.2	0.72	37/23.7	1.56
Interfaith Med Ctr	2022	NA	NA			0/0.2	0.00	0/0.3	0.00			9/5.0	1.81
JT Mather Hospital	2022	1/5.6	0.18			0/1.1	0.00	NA	NA	0/4.2	* 0.00	3/8.1	0.37
Jacobi Med Ctr	2022	6/4.1	1.46			0/0.7	0.00	0/0.5	0.00	0/0.5	0.00	29/14.3	^ 2.02
Jamaica Hospital	2022	5/3.5	1.44			2/0.7	2.82	1/0.5	1.82	2/1.5	1.36	23/23.6	0.97
Jones Memorial	2022	NA	NA			0/0.5	0.00	NA	NA			1/1.2	0.84
Kenmore Mercy	2022	6/5.6	1.06			0/3.5	* 0.00			2/6.2	0.32	16/12.2	1.31
Kings County Hosp	2022	12/3.8	^ 3.12			0/0.5	0.00	0/1.0	0.00	1/0.5	2.02	32/34.9	0.92
LIJ at Forest Hills	2022	2/3.9	0.51			0/0.8	0.00	2/0.6	3.08	0/0.3	0.00	10/17.5	0.57
LIJ at Valley Stream	2022	3/2.5	1.20			2/2.9	0.69	NA	NA	0/2.1	0.00	2/11.2	* 0.18
Lenox Hill Hospital	2022	11/12.1	0.91	2/4.2	0.48	5/2.3	2.13	3/2.4	1.26	13/8.2	1.59	24/38.6	0.62
Lincoln Med Ctr	2022	5/4.0	1.25			0/0.3	0.00	1/0.7	1.37	0/0.7	0.00	33/19.3	^ 1.71
Long Isl Jewish(LIJ)	2022	8/15.3	0.52			1/1.1	0.94	7/5.0	1.41	8/5.1	1.57	47/62.2	0.76
Long Isl. Community	2022	4/2.7	1.49			0/0.6	0.00			NA	NA	14/19.6	0.71
Maimonides Med Ctr	2022	14/9.5	1.47	3/2.1	1.42	1/1.0	1.02	4/2.0	2.05	8/4.0	2.02	79/38.2	^ 2.07
Mary Imogene Bassett	2022	9/8.8	1.02	0/0.9	0.00	2/1.4	1.40	0/0.2	0.00	1/1.3	0.77	12/7.6	1.58

Hospital-Acquired Infection Data, New York State, 2022

		Colon SSI		CABG Chest SSI		Hip SSI		Hyst SSI		Fusion SSI		CDI	
Hospital	Year	Obs/Pred	SIR	Obs/Pred	SIR	Obs/Pred	SIR	Obs/Pred	SIR	Obs/Pred	SIR	Obs/Pred	SIR
Massena Memorial	2022					0/0.2	0.00	NA	NA			0/1.2	0.00
Memor SloanKettering	2022	73/54.1	^ 1.35			2/1.0	1.94	8/8.9	0.90	5/3.7	1.35	NA	NA
Mercy Hosp Buffalo	2022	10/6.3	1.59	3/4.0	0.76	2/0.9	2.33	0/0.8	0.00	14/5.5	^ 2.57	51/30.7	^ 1.66
Mercy Med Ctr	2022	1/1.7	0.58			1/0.8	1.26	0/0.3	0.00	3/4.6	0.65	3/10.3	0.29
Metropolitan Hosp	2022	0/1.3	0.00			1/0.3	2.99	1/0.3	3.98			3/7.8	0.39
MidHudson Reg of	2022	0/1.5	0.00			4/1.5	2.67	0/0.3	0.00	0/0.8	0.00	5/6.4	0.78
Millard Fill Suburb	2022	11/15.8	0.70			5/2.8	1.79	2/3.9	0.52	0/1.6	0.00	38/26.7	1.42
Montefiore-Einstein	2022	8/5.3	1.52	NA	NA			4/3.1	1.28			64/48.3	1.32
Montefiore-Moses	2022	1/7.9	* 0.13	8/3.8	2.09	NA	NA	1/1.0	0.99	18/9.0	^ 2.01	126/81.7	^ 1.54
Montefiore-Mt Vernon	2022	NA	NA			NA	NA	NA	NA			0/1.9	0.00
Montefiore-NewRochl	2022	1/1.3	0.80			3/0.8	3.94	0/0.3	0.00	0/0.6	0.00	19/11.1	1.71
Montefiore-Nyack	2022	2/2.6	0.78			2/1.1	1.83	0/0.3	0.00			8/18.2	0.44
Montefiore-Wakefield	2022	5/1.7	2.87			6/6.9	0.87	NA	NA			10/18.0	0.55
Mount St. Marys	2022	1/1.5	0.66			0/0.9	0.00	NA	NA			2/9.0	0.22
Mt Sinai	2022	16/20.4	0.78	2/4.1	0.48	1/3.4	0.29	3/4.1	0.74	14/14.2	0.98	105/104.3	1.01
Mt Sinai Beth Israel	2022	1/0.7	1.44			0/0.2	0.00	NA	NA			1/15.6	* 0.06
Mt Sinai Brooklyn	2022	0/2.5	0.00			0/0.3	0.00	NA	NA			1/13.2	* 0.08
Mt Sinai Queens	2022	2/2.1	0.96			0/0.8	0.00	0/0.3	0.00			5/9.8	0.51
Mt Sinai St Lukes	2022	3/2.1	1.43	1/2.9	0.34	2/1.2	1.63	NA	NA	1/0.8	1.32	16/29.8	* 0.54
Mt Sinai West	2022	3/5.1	0.58			3/3.0	1.00	3/1.8	1.71	2/5.1	0.39	12/28.7	* 0.42
NY Community Hosp	2022	NA	NA			0/0.3	0.00					2/2.3	0.87
NYP-Allen	2022	NA	NA			NA	NA	NA	NA	9/11.6	0.77	11/14.4	0.76
NYP-Brklyn Methodist	2022	2/4.4	0.46	3/0.8	3.73	1/1.5	0.65	3/2.9	1.03	2/1.5	1.30	13/44.5	* 0.29
NYP-Columbia	2022	12/13.0	0.92	6/4.7	1.27	4/4.8	0.83	1/3.0	0.33	1/1.1	0.89	114/104.3	1.09
NYP-Hudson Valley	2022	0/1.9	0.00			0/1.3	0.00	NA	NA	NA	NA	10/11.6	0.86
NYP-Lawrence	2022	3/3.3	0.92			0/1.4	0.00	0/0.5	0.00	2/1.4	1.41	14/16.8	0.83
NYP-Lower Manhattan	2022	1/1.2	0.84			0/0.7	0.00	1/0.3	3.42	1/2.9	0.34	10/10.5	0.95
NYP-Morgan Stanley	2022	1/0.7	1.43			NA	NA	NA	NA	0/3.1	* 0.00	NA	NA
NYP-Queens	2022	5/6.8	0.73	0/0.8	0.00	3/3.2	0.94	0/1.4	0.00	0/2.5	0.00	31/44.0	0.70
NYP-Weill Cornell	2022	11/10.9	1.01	3/2.3	1.29	1/2.3	0.44	1/0.6	1.55	5/6.5	0.76	120/93.1	^ 1.29
NYU Langone	2022	4/6.9	0.58			3/2.4	1.25	1/1.4	0.72	1/2.6	0.39	16/32.6	* 0.49
NYU Orthopedic Hosp	2022					13/11.9	1.09					NA	NA
NYU Tisch	2022	26/20.0	1.30	6/3.2	1.85	1/0.6	1.56	3/2.6	1.17	17/22.9	0.74	49/97.6	* 0.50
NYU Winthrop	2022	8/13.6	0.59	3/2.3	1.30	1/2.9	0.34	4/3.0	1.33	11/7.3	1.52	22/58.2	* 0.38
Nassau University	2022	NA	NA			0/0.2	0.00	2/0.6	3.49	1/1.1	0.93	23/18.8	1.22
Nathan Littauer	2022	NA	NA			NA	NA	NA	NA	0/0.3	0.00	2/3.3	0.60
Newark Wayne	2022	1/0.7	1.44			0/0.4	0.00	0/0.2	0.00			8/6.6	1.21
Niagara Falls	2022	5/1.7	2.95			NA	NA	NA	NA	0/1.1	0.00	5/5.9	0.85
North Central Bronx	2022	NA	NA					NA	NA			2/6.5	0.31
North Shore	2022	14/17.4	0.80	3/5.0	0.61	4/3.8	1.06	3/1.3	2.36	8/10.2	0.79	70/89.2	0.78
Northern Dutchess	2022	0/1.1	0.00			2/2.1	0.95	NA	NA	1/0.9	1.16	1/4.2	0.24
Northern Westchester	2022	1/5.4	0.19			6/2.7	2.24	1/2.0	0.49	0/1.7	0.00	5/8.3	0.60
Noyes Memorial	2022	1/1.4	0.72			0/0.5	0.00	NA	NA			1/2.3	0.44
Oishei Childrens	2022	0/0.9	0.00					1/0.5	1.83	2/0.4	5.24	NA	NA
Olean General	2022	2/1.1	1.74			2/0.8	2.43	1/0.3	2.92			14/9.6	1.47
Oneida Healthcare	2022	8/6.2	1.29			0/0.2	0.00	0/0.7	0.00			8/10.2	0.78
Oswego Hospital	2022	NA	NA			NA	NA	1/0.3	2.88			1/4.9	0.20
Our Lady of Lourdes	2022	8/3.4	^ 2.34			1/2.6	0.38	0/0.2	0.00	0/2.4	0.00	30/15.0	^ 2.00
Peconic Bay Medical	2022	0/3.3	* 0.00			2/3.1	0.64	1/0.3	3.68			10/16.3	0.61
Phelps Memorial	2022	0/2.0	0.00			2/1.8	1.11	0/0.2	0.00	1/1.5	0.68	8/8.3	0.97
Plainview Hospital	2022	2/3.0	0.66			4/0.7	^ 5.91	0/0.3	0.00	0/1.0	0.00	9/11.4	0.79
Putnam Hospital	2022	NA	NA			0/1.2	0.00	0/0.1	0.00	0/0.6	0.00	7/2.3	3.08
Queens Hospital	2022	1/2.1	0.48			NA	NA	3/0.7	4.49			10/13.6	0.74
Richmond Univ MC	2022	3/2.1	1.44			3/0.4	^ 6.80	0/1.3	0.00	0/0.4	0.00	30/14.1	^ 2.13
Rochester General	2022	9/12.2	0.74	5/4.5	1.12	9/4.2	2.15	1/1.6	0.62	6/7.1	0.85	66/56.6	1.17
Rome Memorial	2022	3/0.9	3.29			0/0.4	0.00	0/0.2	0.00	4/1.7	2.32	4/6.5	0.62
Roswell Park	2022	9/8.0	1.12					3/1.9	1.61	NA	NA	NA	NA
SUNY Downstate	2022	5/2.2	2.30			0/0.4	0.00	1/0.4	2.85	0/0.7	0.00	16/13.5	1.18
Samaritan- Troy	2022	3/3.4	0.87			0/0.7	0.00	0/0.4	0.00	1/1.4	0.72	5/6.8	0.74

Hospital-Acquired Infection Data, New York State, 2022

		Colon SSI		CABG Chest SSI		Hip SSI		Hyst SSI		Fusion SSI		CDI	
Hospital	Year	Obs/Pred	SIR	Obs/Pred	SIR	Obs/Pred	SIR	Obs/Pred	SIR	Obs/Pred	SIR	Obs/Pred	SIR
Samaritan- Watertown	2022	2/1.2	1.61			1/0.3	3.14	1/0.3	2.96			13/14.8	0.88
Saratoga Hospital	2022	2/4.7	0.43			3/4.3	0.70	NA	NA	0/1.6	0.00	6/8.9	0.68
Sisters of Charity	2022	2/3.9	0.51			1/0.9	1.16	3/2.1	1.46	4/3.1	1.31	15/15.5	0.97
Sisters- St Joseph	2022					2/4.3	0.47					0/0.4	0.00
South Brooklyn Healt	2022	2/2.9	0.70			2/0.6	3.43	1/0.5	2.11	0/0.4	0.00	14/21.3	0.66
South Nassau Comm.	2022	4/6.1	0.65			4/2.3	1.76	2/2.2	0.92	11/3.6	^ 3.05	21/13.9	1.51
South Shore UHosp	2022	3/6.4	0.47	1/3.0	0.33	5/3.8	1.30	1/2.8	0.36	5/3.2	1.57	12/27.9	* 0.43
St Anthony	2022	NA	NA			0/0.6	0.00	1/0.5	2.00			2/3.1	0.64
St Barnabas	2022	5/2.9	1.72			1/0.3	2.90	0/0.4	0.00	0/0.9	0.00	4/17.0	* 0.24
St Catherine Siena	2022	1/2.2	0.45			0/0.9	0.00	NA	NA	2/2.5	0.80	8/16.3	0.49
St Charles Hospital	2022	1/1.4	0.70			0/2.9	0.00	0/0.6	0.00	0/0.5	0.00	4/11.3	0.35
St Elizabeth Medical	2022	5/3.3	1.50	1/1.5	0.65	4/1.6	2.45	NA	NA	NA	NA	16/8.1	1.96
St Francis- Roslyn	2022	8/7.9	1.01	4/5.5	0.73	4/5.0	0.80	NA	NA	8/7.9	1.02	21/36.0	* 0.58
St Johns Dobbs Ferry	2022					1/0.6	1.56					0/0.2	0.00
St Johns Episcopal	2022	0/0.7	0.00			3/0.3	^11.37	NA	NA			22/10.1	^ 2.17
St Johns Riverside	2022	3/1.1	2.62			0/0.3	0.00	0/0.6	0.00	0/0.8	0.00	15/7.9	1.90
St Joseph- Bethpage	2022	2/1.4	1.47			0/0.7	0.00	NA	NA	0/0.3	0.00	7/10.7	0.65
St Josephs- Syracuse	2022	2/7.6	* 0.26	5/8.4	0.59	3/6.4	0.47	0/1.0	0.00	1/6.2	* 0.16	14/14.9	0.94
St Josephs- Yonkers	2022	1/0.5	1.93			NA	NA	NA	NA			4/4.9	0.81
St Lukes Cornwall	2022	0/1.7	0.00			1/0.7	1.41	1/0.3	3.30	1/0.6	1.66	19/15.7	1.21
St Marys Amsterdam	2022	0/0.9	0.00			0/0.6	0.00	NA	NA	0/0.8	0.00	3/3.5	0.85
St Peters Hospital	2022	29/13.3	^ 2.17	6/5.2	1.15	16/7.4	^ 2.18	2/2.1	0.94	4/3.2	1.25	28/24.5	1.14
Staten Island U N	2022	13/10.5	1.24	2/1.5	1.30	1/1.2	0.83	1/1.3	0.79	2/2.9	0.68	70/56.3	1.24
Staten Island U S	2022	1/1.7	0.60			0/2.4	0.00	0/0.3	0.00			15/10.8	1.39
Stony Brk Southampton	2022	NA	NA			0/1.1	0.00	0/0.5	0.00			3/4.1	0.74
Stony Brook ELIH	2022	NA	NA			NA	NA					0/1.3	0.00
Strong Memorial	2022	21/16.9	1.24	3/2.5	1.18	2/1.2	1.62	2/1.4	1.42	27/13.0	^ 2.08	57/59.7	0.95
Sunnyview Rehab Hosp	2022											NA	NA
Syosset Hospital	2022	NA	NA			5/3.9	1.30			0/0.7	0.00	0/4.7	* 0.00
UHS Binghamton	2022	NA	NA			5/1.9	2.58	NA	NA	NA	NA	2/6.4	0.31
UHS Chenango Memor	2022	NA	NA			1/0.3	3.06	0/0.2	0.00	1/0.2	4.35	2/1.7	1.20
UHS Wilson	2022	16/7.0	^ 2.29	7/1.3	^ 5.25	5/0.6	^ 8.57	1/0.4	2.63	8/4.1	1.94	29/19.7	1.47
UPMC Chautauqua	2022	6/1.8	^ 3.34			1/0.6	1.54	0/0.7	0.00			8/7.3	1.10
United Memorial	2022	NA	NA			0/1.0	0.00	NA	NA			14/5.7	^ 2.44
Unity Hosp Rochester	2022	0/7.4	* 0.00			7/7.8	0.90	0/0.6	0.00	4/6.4	0.63	43/24.6	^ 1.75
Univ Hosp SUNY Upst	2022	13/10.4	1.25	2/1.2	1.68	1/1.1	0.94	0/0.5	0.00	8/8.5	0.94	37/25.1	1.47
Univ Hosp StonyBrook	2022	9/9.9	0.91	1/1.9	0.51	4/4.2	0.94	1/1.6	0.62	5/6.1	0.82	35/39.8	0.88
Upst. Community Gen	2022	3/3.7	0.80			3/2.5	1.18	0/0.3	0.00	NA	NA	8/6.0	1.34
Vassar Brothers	2022	9/10.7	0.84	2/1.7	1.15	2/1.4	1.40	1/1.9	0.54	0/2.4	0.00	23/16.1	1.43
Westchester Medical	2022	3/8.8	0.34	4/2.7	1.48	0/2.0	0.00	0/2.1	0.00	3/7.2	0.42	115/80.6	^ 1.43
White Plains Hosp	2022	5/6.6	0.76	1/0.9	1.08	1/2.3	0.44	1/1.8	0.55	6/4.4	1.35	11/22.1	0.50
Woodhull Med Ctr	2022	3/1.3	2.34			0/0.3	0.00	1/0.5	1.94			10/11.8	0.85
Wyckoff Heights	2022	4/2.3	1.76			0/0.2	0.00	0/0.4	0.00	NA	NA	18/12.4	1.45
Wyoming County	2022	NA	NA			NA	NA	NA	NA			2/1.9	1.03

Each hospital's 2022 data was compared to the NYS 2022 average. See Technical Report for details on risk adjustment methods. Data reported as June 15, 2023.

■ Significantly better than the NYS average. ■ Significantly worse than the NYS average. Same: Not significantly different from the NYS average. No data: Hospital does not have any reportable data. NA: (Not calculated, hospitals performed fewer than 20 procedures, or was a specialty hospital that was excluded from CDI risk adjustment).

CLABSI rates by ICU type, New York State, 2022

		Coronary ICU		Cardiothoracic ICU		Medical ICU		Medical Surgical ICU		Surgical ICU		Neurosurgical ICU		Pediatric ICU		Neonatal ICU		
Hospital	year	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	NICU level	CLABSI/CLDays	Adj rate
Adirondack Medical	2022							1/371	2.7									
Albany Med Ctr	2022	2/1858	1.1	2/2711	0.7	3/4077	0.7			1/5450	0.2			5/1922	2.6	RPC	2/3987	0.4
Arnot Ogden Med Ctr	2022							1/1673	0.6							Lev 3	2/1347	1.8
Auburn Memorial	2022							1/1563	0.6									
Bellevue Hospital	2022	10/3175	3.1	1/843	1.2	5/2050	2.4			0/1430	0.0	2/729	2.7	0/230	0.0	RPC	5/1935	2.3
Bon Secours	2022							0/260	0.0									
Bronx-Lebanon	2022	0/586	0.0			5/2926	1.7							NA	NA	Lev 3	0/277	0.0
Brookdale Hospital	2022	1/589	1.7			2/2332	0.9			2/2150	0.9	1/439	2.3	NA	NA	Lev 3	1/133	7.0
Brooklyn Hosp Ctr	2022	0/490	0.0			0/1075	0.0							NA	NA	Lev 3	0/668	0.0
Brooks Memorial	2022							0/817	0.0									
Buffalo General	2022			2/3348	0.6	11/6644	1.7			2/1923	1.0	1/1503	0.7					
Canton-Potsdam	2022							2/429	4.7									
Cayuga Medical Ctr	2022							2/1059	1.9									
Champlain Valley	2022							3/1852	1.6									
Claxton-Hepburn	2022							0/794	0.0									
Clifton Springs	2022					0/330	0.0											
Cohens Childrens	2022													1/3219	0.3	RPC	2/4600	0.5
Columbia Memorial	2022							3/924	3.2									
Corning Hospital	2022							0/314	0.0									
Cortland Reg Med	2022					0/257	0.0											
Crouse Hospital	2022							0/3848	* 0.0							RPC	6/4249	1.2
Ellis Hospital	2022					0/2483	0.0			0/2602	0.0							
Elmhurst Hospital	2022	0/382	0.0			0/1035	0.0			0/856	0.0					Lev 2/3	0/295	0.0
Erie County Med Ctr	2022					7/3529	2.0											
FF Thompson	2022					3/1351	2.2											
Faxton St. Lukes	2022							5/2555	2.0									
Flushing Hospital	2022					3/1178	2.5	0/260	0.0							Lev 3	1/336	2.8
Garnet Catskills	2022							1/673	1.5									
Garnet Middletown	2022							1/3149	0.3									
Geneva General	2022							0/1068	0.0									
Glen Cove Hospital	2022							0/537	0.0									
Glens Falls Hospital	2022							1/1807	0.6									
Good Samar. Suffern	2022			0/648	0.0	0/1648	0.0			0/702	0.0							
Good Samar. W Islip	2022	0/61	0.0	0/995	0.0	1/3500	0.3			0/2280	0.0	0/489	0.0	0/139	0.0	Lev 3	0/751	0.0
Harlem Hospital	2022	1/462	2.2			0/134	0.0	4/1867	2.1					NA	NA	Lev 3	0/410	0.0
HealthAlli Broadway	2022							2/1031	1.9									
Highland Hospital	2022							7/2027	^ 3.5									
Hosp for Spec Surg	2022							0/86	0.0									
Huntington Hospital	2022	0/725	0.0			NA	NA	0/551	0.0									
Interfaith Med Ctr	2022							1/1916	0.5									
JT Mather Hospital	2022							2/2196	0.9									
Jacobi Med Ctr	2022	1/904	1.1			2/1485	1.3			2/1271	1.6			NA	NA	Lev 3	1/1234	0.8

CLABSI rates by ICU type, New York State, 2022

		Coronary ICU		Cardiothoracic ICU		Medical ICU		Medical Surgical ICU		Surgical ICU		Neurosurgical ICU		Pediatric ICU		Neonatal ICU		
Hospital	year	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	NICU level	CLABSI/CLDays	Adj rate
Jamaica Hospital	2022					2/2283	0.9			1/1105	0.9					Lev 3	1/544	1.5
Jones Memorial	2022							0/216	0.0									
Kenmore Mercy	2022							0/1532	0.0									
Kings County Hosp	2022					7/2261	^ 3.1			5/1672	^ 3.0			0/58	0.0	Lev 2/3	0/760	0.0
LJ at Forest Hills	2022					0/1657	0.0											
LJ at Valley Stream	2022							2/1225	1.6									
Lenox Hill Hospital	2022	5/961	5.2	2/2046	1.0	0/1113	0.0	NA	NA	2/918	2.2					Lev 2/3	0/666	0.0
Lincoln Med Ctr	2022					5/3214	1.6			1/1054	0.9					Lev 3	1/274	3.9
Long Isl Jewish(LLJ)	2022	2/607	3.3			2/2816	0.7	0/835	0.0	0/909	0.0							
Long Isl. Community	2022	0/708	0.0			1/917	1.1			0/462	0.0							
Maimonides Med Ctr	2022	4/1007	4.0	2/2099	1.0	2/1049	1.9			3/1093	2.7			1/431	2.3	RPC	0/1029	0.0
Mary Imogene Bassett	2022							3/3055	1.0									
Memor SloanKettering	2022							14/4719	^ 3.0					0/884	0.0			
Mercy Hosp Buffalo	2022			0/1286	0.0			3/3000	1.0									
Mercy Med Ctr	2022							0/1043	0.0							Lev 3	0/115	0.0
Metropolitan Hosp	2022							1/867	1.2							Lev 2/3	0/313	0.0
MidHudson Reg of WMC	2022							0/1735	0.0									
Millard Fill. Suburb	2022							0/3262	* 0.0									
Montefiore-Einstein	2022			1/505	2.0	3/2359	1.3			2/1069	1.9					RPC	8/2607	^ 2.7
Montefiore-Moses	2022	7/1821	3.8	4/2643	1.5	4/1056	3.8			5/1301	^ 3.8			2/2653	0.8			
Montefiore-Mt Vernon	2022							1/72	13.9									
Montefiore-NewRochl	2022							2/1350	1.5									
Montefiore-Nyack	2022					1/895	1.1			0/790	0.0							
Montefiore-Wakefield	2022					0/1391	0.0									Lev 2/3	1/267	3.7
Mount St. Marys	2022					0/1654	0.0											
Mt Sinai	2022	5/1364	3.7	1/4640	0.2	0/1810	0.0			2/2081	1.0	2/1389	1.4	2/2220	0.9	RPC	3/3219	1.1
Mt Sinai Beth Israel	2022	0/482	0.0					0/1656	0.0									
Mt Sinai Brooklyn	2022							1/1113	0.9									
Mt Sinai Queens	2022							0/575	0.0									
Mt Sinai St Lukes	2022	1/1039	1.0	0/1035	0.0	1/1308	0.8			0/500	0.0							
Mt Sinai West	2022					0/407	0.0	1/1405	0.7			0/179	0.0			Lev 3	0/966	0.0
NY Community Hosp	2022							0/832	0.0									
NYP-Allen	2022							4/1087	^ 3.7									
NYP-Brklyn Methodist	2022	1/731	1.4	0/1049	0.0			1/3233	0.3					NA	NA	Lev 3	2/1109	1.6
NYP-Columbia	2022	4/4823	0.8	3/7372	0.4	8/4735	1.7			2/2899	0.7	4/1561	2.6					
NYP-Hudson Valley	2022							1/1183	0.8							Lev 2/3	NA	NA
NYP-Lawrence	2022					1/1503	0.7											
NYP-Lower Manhattan	2022							2/1266	1.6									
NYP-Morgan Stanley	2022													14/6655	2.1	RPC	5/7260	0.8
NYP-Queens	2022			0/807	0.0			0/2549	0.0							Lev 3	0/401	0.0
NYP-Weill Cornell	2022	2/3188	0.6	1/4506	0.2	5/3718	1.3			4/2366	1.7	5/1165	4.3	3/2021	1.5	RPC	3/3476	1.0
NYU Langone Brooklyn	2022					0/721	0.0			0/503	0.0	0/558	0.0			Lev 2/3	0/56	0.0
NYU Orthopedic Hosp	2022									0/83	0.0							

CLABSI rates by ICU type, New York State, 2022

		Coronary ICU		Cardiothoracic ICU		Medical ICU		Medical Surgical ICU		Surgical ICU		Neurosurgical ICU		Pediatric ICU		Neonatal ICU		
Hospital	year	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	NICU level	CLABSI/CLDays	Adj rate
NYU Tisch	2022	4/2146	1.9			4/4448	0.9			4/6867	0.6	0/1148	0.0	5/4578	1.1	RPC	1/2912	0.4
NYU Winthrop	2022					1/2217	0.5			2/2593	0.8	2/466	4.3	0/377	0.0	RPC	0/1344	0.0
Nassau University	2022	1/758	1.3			0/1376	0.0			2/1093	1.8					Lev 3	0/274	0.0
Nathan Littauer	2022							0/297	0.0									
Newark Wayne	2022					2/1143	1.7											
Niagara Falls	2022							2/1267	1.6									
North Central Bronx	2022							2/912	2.2									
North Shore	2022	5/2208	2.3	2/4473	0.4	4/2831	1.4			2/2288	0.9	2/1157	1.7			RPC	0/1554	0.0
Northern Dutchess	2022							2/598	3.3									
Northern Westchester	2022							0/575	0.0							Lev 3	NA	NA
Noyes Memorial	2022							0/647	0.0									
Oishei Childrens	2022													0/2219	0.0	RPC	0/4947	* 0.0
Olean General	2022							2/1216	1.6									
Oneida Healthcare	2022							0/605	0.0									
Oswego Hospital	2022					0/399	0.0											
Our Lady of Lourdes	2022							1/890	1.1									
Peconic Bay Medical	2022							0/852	0.0									
Phelps Memorial	2022							1/840	1.2									
Plainview Hospital	2022							0/1236	0.0									
Queens Hospital	2022					2/2227	0.9									Lev 3	1/353	2.7
Richmond Univ MC	2022	0/423	0.0			7/2757	2.5			0/1323	0.0			NA	NA	Lev 3	1/550	1.6
Rochester General	2022	1/1342	0.7	2/3101	0.6	2/4169	0.5			5/2110	2.4							
Rome Memorial	2022							0/382	0.0									
Roswell Park	2022							2/2379	0.8									
SUNY Downstate MedCr	2022	1/552	1.8			2/1281	1.6							0/145	0.0	RPC	0/796	0.0
Samaritan- Troy	2022							5/2650	1.9									
Samaritan- Watertown	2022							0/880	0.0									
Saratoga Hospital	2022					3/1489	2.0											
Sisters of Charity	2022							2/1513	1.3							Lev 3	2/651	3.1
South Brooklyn Healt	2022	2/834	2.4			5/2330	2.1	NA	NA	2/1526	1.3					Lev 2/3	NA	NA
South Nassau Comm.	2022							3/3125	1.0									
South Shore UHosp	2022			0/1220	0.0			1/2314	0.4			0/307	0.0					
St Anthony	2022							0/243	0.0									
St Barnabas	2022					0/1299	0.0			0/820	0.0					Lev 2/3	1/191	5.2
St Catherine Siena	2022	0/853	0.0					0/773	0.0									
St Charles Hospital	2022					0/522	0.0											
St Elizabeth Medical	2022			0/1684	0.0			2/2443	0.8									
St Francis- Roslyn	2022			3/4061	0.7	0/1989	0.0			2/1746	1.1							
St Johns Episcopal	2022	2/598	3.3			4/590	^ 6.8											
St Johns Riverside	2022							2/1718	1.2									
St Joseph- Bethpage	2022							0/1732	0.0									
St Josephs- Syracuse	2022					3/3538	0.8			0/4993	* 0.0					Lev 2/3	0/187	0.0
St Josephs- Yonkers	2022							1/778	1.3									

CLABSI rates by ICU type, New York State, 2022

Hospital	year	Coronary ICU		Cardiothoracic ICU		Medical ICU		Medical Surgical ICU		Surgical ICU		Neurosurgical ICU		Pediatric ICU		Neonatal ICU		
		CLABSI/ CLDays	Rate	CLABSI/ CLDays	Rate	CLABSI/ CLDays	Rate	CLABSI/ CLDays	Rate	CLABSI/ CLDays	Rate	CLABSI/ CLDays	Rate	CLABSI/ CLDays	Rate	NICU level	CLABSI/ CLDays	Adj rate
St Lukes Cornwall	2022							2/2625	0.8									
St Marys Amsterdam	2022							1/722	1.4									
St Peters Hospital	2022			0/1839	0.0	1/3252	0.3									Lev 3	3/400	^10.0
Staten Island U N	2022			1/1215	0.8			6/4260	1.4	3/2144	1.4			0/93	0.0	Lev 3	0/228	0.0
Staten Island U S	2022							4/1410	2.8									
Stony Brk Southamptn	2022	0/50	0.0			2/617	3.2											
Stony Brook ELIH	2022							NA	NA									
Strong Memorial	2022			8/5281	^ 1.5	8/7745	1.0			9/5139	1.8			7/5338	1.3	RPC	8/6274	1.3
Syosset Hospital	2022							0/526	0.0									
UHS Binghamton	2022							1/424	2.4									
UHS Chenango Memor	2022							0/240	0.0									
UHS Wilson	2022			3/2443	1.2			6/2562	2.3							Lev 2/3	1/258	3.9
UPMC Chautauqua WCA	2022					2/1180	1.7											
United Memorial	2022							0/1021	0.0									
Unity Hosp Rochester	2022							2/4795	0.4									
Univ Hosp SUNY Upst	2022			1/2810	0.4	2/7127	* 0.3			0/2431	0.0	3/4675	0.6	0/1003	0.0			
Univ Hosp StonyBrook	2022	1/891	1.1	1/1499	0.7	2/1935	1.0			0/1944	0.0	1/418	2.4	0/573	0.0	RPC	3/4046	0.8
Upst. Community Gen	2022							0/1964	0.0									
Vassar Brothers	2022							1/3933	0.3							Lev 2/3	0/339	0.0
Westchester Medical	2022	5/923	5.4	4/3368	1.2	5/2913	1.7			2/1272	1.6	3/2060	1.5	3/1122	2.7	RPC	4/4604	0.9
White Plains Hosp	2022							1/1454	0.7							Lev 3	0/60	0.0
Woodhull Med Ctr	2022							0/1363	0.0							Lev 2/3	0/186	0.0
Wyckoff Heights	2022					0/1526	0.0									Lev 3	0/339	0.0
Wyoming County Comm.	2022							0/154	0.0									

Data reported as of June 15, 2023. — Significantly higher than state average. — Significantly lower than state average. — Same as state average.

Inf=number of CLABSI, CLD=Number of Central Line Days. Each hospital's 2022 data was compared to the NYS 2022 average.

Rates are per 1000 central line days (CLDAYS). Excludes mucosal barrier injury (MBI)-CLABSIs and bloodstream infections associated with use of extracorporeal membrane oxygenation and ventricular assist devices, observed or suspected patient injection into a vascular line, known or suspected Munchausen Syndrome by Proxy (MSBP), epidermolysis bullosa (EB), pus at another vascular access device site matches an organism identified in the blood and Group B *Streptococcus* BSIs in infants during the first 6 days of life. NA: units had fewer than 50 central line days.

CLABSI rates by Ward type, New York State, 2022

Hospital	year	Medical Wards		Medical Surgical Wards		Surgical Wards		Step Down Units		Pediatric Wards		Oncology Wards		Mixed Acuity Wards		Telemetry Wards	
		CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate
AO Fox Memorial	2022	0/418	0.0														
Adirondack Medical	2022			0/723	0.0												
Albany Med Ctr	2022	9/13627	0.7	1/2109	0.5	4/6937	0.6	1/1736	0.6	2/2503	0.8						
Alice Hyde Med Ctr	2022			1/315	3.2									0/56	0.0		
Arnot Ogden Med Ctr	2022			3/2057	1.5												
Auburn Memorial	2022			0/1177	0.0	1/1076	0.9										
Bellevue Hospital	2022	8/4639	1.7	1/1653	0.6	0/1168	0.0	4/1378	2.9	0/96	0.0						
Blythedale Childrens	2022									2/3045	0.7						
Bon Secours	2022			0/250	0.0	NA	NA										
Bronx-Lebanon	2022	4/3952	1.0	8/2528	^ 3.2			2/334	6.0	NA	NA					1/554	1.8
Brookdale Hospital	2022	3/4753	0.6			2/983	2.0	0/426	0.0	0/53	0.0						
Brooklyn Hosp Ctr	2022	0/1712	0.0	1/641	1.6			1/1325	0.8	NA	NA					2/255	^ 7.8
Brooks Memorial	2022			1/553	1.8												
Buffalo General	2022	16/9723	1.6	4/1825	2.2	5/2274	2.2	13/5079	^ 2.6							3/2842	1.1
Canton-Potsdam	2022			1/1122	0.9												
Cayuga Medical Ctr	2022			0/1670	0.0					NA	NA						
Champlain Valley	2022			3/2744	1.1			1/2044	0.5								
Claxton-Hepburn	2022			0/1291	0.0												
Clifton Springs	2022	1/594	1.7			0/295	0.0										
Cohens Childrens	2022									3/2110	1.4	2/4919	0.4				
Columbia Memorial	2022	0/790	0.0	3/2263	1.3												
Corning Hospital	2022	0/479	0.0			0/504	0.0										
Cortland Reg Med	2022	0/330	0.0	0/525	0.0												
Crouse Hospital	2022			2/8482	0.2												
East. Niag. Lockport	2022			NA	NA												
Ellis Hospital	2022	0/3427	* 0.0			0/808	0.0										
Elmhurst Hospital	2022	1/3038	0.3	0/132	0.0	1/685	1.5			NA	NA			1/871	1.1		
Erie County Med Ctr	2022			8/9923	0.8			1/2314	0.4								
FF Thompson	2022	1/2360	0.4														
Faxton St. Lukes	2022			0/1457	0.0	3/1348	2.2	1/1666	0.6	0/85	0.0	0/1565	0.0			0/860	0.0
Flushing Hospital	2022			1/2211	0.5					NA	NA					0/456	0.0
Garnet Catskills	2022			0/298	0.0	NA	NA										
Garnet Middletown	2022	4/4844	0.8	0/941	0.0											1/964	1.0
Geneva General	2022	0/652	0.0	1/672	1.5			0/51	0.0								
Glen Cove Hospital	2022			0/399	0.0	0/73	0.0										
Glens Falls Hospital	2022	1/2233	0.4	NA	NA	0/893	0.0					1/1821	0.5				
Good Samar. Suffern	2022			2/3184	0.6												
Good Samar. W Islip	2022	0/1887	0.0	2/1185	1.7	1/488	2.0	0/81	0.0	NA	NA	1/1607	0.6			1/1302	0.8
Harlem Hospital	2022	0/1370	0.0			0/87	0.0			NA	NA						
HealthAlli Broadway	2022	0/507	0.0	1/492	2.0	1/502	2.0										
Highland Hospital	2022	3/4529	0.7	8/4348	^ 1.8	6/3043	2.0							5/3137	1.6		
Hosp for Spec Surg	2022			0/1556	0.0			0/124	0.0	NA	NA						

CLABSI rates by Ward type, New York State, 2022

		Medical Wards		Medical Surgical Wards		Surgical Wards		Step Down Units		Pediatric Wards		Oncology Wards		Mixed Acuity Wards		Telemetry Wards	
Hospital	year	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate
Huntington Hospital	2022	0/513	0.0	0/947	0.0	0/351	0.0			NA	NA	0/1031	0.0			0/145	0.0
Interfaith Med Ctr	2022			0/3325	0.0												
JT Mather Hospital	2022			0/2628	0.0	0/782	0.0	0/932	0.0								
Jacobi Med Ctr	2022	0/3373	* 0.0	1/1682	0.6	0/445	0.0	0/405	0.0	0/96	0.0						
Jamaica Hospital	2022			5/2791	1.8	0/716	0.0							3/1083	2.8		
Jones Memorial	2022			0/349	0.0												
Kenmore Mercy	2022			0/3393	0.0	0/95	0.0										
Kings County Hosp	2022	2/3658	0.5	2/3987	0.5	0/1004	0.0			0/92	0.0						
LIJ at Forest Hills	2022	0/1855	0.0	NA	NA	0/196	0.0									1/178	5.6
LIJ at Valley Stream	2022			4/1655	2.4	NA	NA	NA	NA							0/280	0.0
Lenox Hill Hospital	2022	1/2017	0.5	0/444	0.0	2/1603	1.2	2/721	2.8								
Lincoln Med Ctr	2022	2/1826	1.1			2/1479	1.4	0/1560	0.0	NA	NA			NA	NA		
Long Isl Jewish(LIJ)	2022	2/5724	0.3	0/1835	0.0	2/1825	1.1	NA	NA							2/3672	0.5
Long Isl. Community	2022	3/1691	1.8	0/634	0.0									0/664	0.0		
Maimonides Med Ctr	2022	19/5220	^ 3.6	3/577	^ 5.2			2/853	2.3	1/425	2.4					0/1136	0.0
Mary Imogene Bassett	2022	2/1135	1.8	1/875	1.1	2/1614	1.2	0/1248	0.0					NA	NA		
Massena Memorial	2022			0/154	0.0												
Memor SloanKettering	2022											**/80964	1.3				
Mercy Hosp Buffalo	2022	3/2530	1.2	0/650	0.0	3/1899	1.6	0/1245	0.0								
Mercy Med Ctr	2022	2/306	6.5	0/124	0.0	NA	NA	1/315	3.2			1/739	1.4			0/689	0.0
Metropolitan Hosp	2022	1/1003	1.0			0/400	0.0			NA	NA						
MidHudson Reg of WMC	2022			1/1011	1.0			1/507	2.0	NA	NA						
Millard Fill. Suburb	2022			4/7865	0.5												
Montefiore-Einstein	2022	8/4447	1.8			2/2304	0.9					5/1243	^ 4.0			0/1934	0.0
Montefiore-Moses	2022	27/10407	^ 2.6	1/1108	0.9	7/2419	^ 2.9			6/4124	1.5	0/3977	* 0.0				
Montefiore-Mt Vernon	2022			0/61	0.0			NA	NA								
Montefiore-NewRochl	2022			1/524	1.9	1/581	1.7	1/724	1.4								
Montefiore-Nyack	2022			1/1829	0.5			0/570	0.0	0/527	0.0						
Montefiore-Wakefield	2022	3/2971	1.0	0/462	0.0											1/445	2.2
Mount St. Marys	2022			0/1781	0.0												
Mt Sinai	2022	7/4688	1.5	10/4775	^ 2.1	8/2861	^ 2.8	7/1640	^ 4.3	2/627	3.2	18/13909	1.3			0/380	0.0
Mt Sinai Beth Israel	2022	0/1492	0.0	0/224	0.0	0/476	0.0							NA	NA	0/410	0.0
Mt Sinai Brooklyn	2022	0/2378	0.0			0/563	0.0	0/238	0.0								
Mt Sinai Queens	2022	2/1399	1.4	0/934	0.0			0/229	0.0								
Mt Sinai St Lukes	2022	2/2218	0.9	1/522	1.9	0/880	0.0										
Mt Sinai West	2022	0/1929	0.0	1/1924	0.5	1/612	1.6										
NY Community Hosp	2022			0/184	0.0			1/764	1.3								
NYP-Allen	2022	3/1998	1.5	0/554	0.0												
NYP-Brklyn Methodist	2022	2/3213	0.6	3/3898	0.8	1/861	1.2	0/231	0.0	0/133	0.0						
NYP-Columbia	2022	27/10335	^ 2.6	7/7786	0.9	3/4252	0.7					9/12049	0.7				
NYP-Hudson Valley	2022			1/1908	0.5									0/633	0.0		
NYP-Lawrence	2022			3/3234	0.9					NA	NA						
NYP-Lower Manhattan	2022			0/1189	0.0												

CLABSI rates by Ward type, New York State, 2022

		Medical Wards		Medical Surgical Wards		Surgical Wards		Step Down Units		Pediatric Wards		Oncology Wards		Mixed Acuity Wards		Telemetry Wards	
Hospital	year	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate
NYP-Morgan Stanley	2022									10/8057	1.2						
NYP-Queens	2022	0/5594	* 0.0	NA	NA	0/1555	0.0	0/96	0.0								
NYP-Weill Cornell	2022	10/9504	1.1	1/3924	0.3	2/3129	0.6	0/577	0.0	0/1024	0.0	21/13374	1.6				
NYU Langone Brooklyn	2022	0/3536	* 0.0			0/335	0.0	1/285	3.5	NA	NA						
NYU Orthopedic Hosp	2022	1/345	2.9														
NYU Tisch	2022	7/7952	0.9			8/8301	1.0			2/2277	0.9	2/5244	0.4				
NYU Winthrop	2022	4/8641	0.5	1/879	1.1	1/2296	0.4			0/426	0.0						
Nassau University	2022	2/2624	0.8	0/123	0.0	0/165	0.0			NA	NA						
Nathan Littauer	2022			0/273	0.0												
Newark Wayne	2022	0/1616	0.0													1/389	2.6
Niagara Falls	2022					1/600	1.7	1/676	1.5								
North Central Bronx	2022	0/536	0.0														
North Shore	2022	2/4272	0.5	1/2126	0.5	5/3690	1.4	NA	NA			12/8787	1.4	1/559	1.8	1/1202	0.8
Northern Dutchess	2022	NA	NA	0/1097	0.0												
Northern Westchester	2022	1/1985	0.5			0/565	0.0			NA	NA						
Noyes Memorial	2022	0/832	0.0	0/145	0.0												
Oishei Childrens	2022									1/1125	0.9	0/1775	0.0				
Olean General	2022	1/2129	0.5			0/444	0.0										
Oneida Healthcare	2022			1/1135	0.9												
Oswego Hospital	2022			0/623	0.0												
Our Lady of Lourdes	2022	4/4444	0.9	1/616	1.6	0/1468	0.0	0/78	0.0								
Peconic Bay Medical	2022			0/2667	0.0			0/220	0.0								
Phelps Memorial	2022	1/762	1.3	0/1033	0.0									NA	NA		
Plainview Hospital	2022	0/1264	0.0	0/1061	0.0			NA	NA							0/880	0.0
Putnam Hospital	2022			1/1018	1.0									1/833	1.2		
Queens Hospital	2022	1/2577	0.4	0/1493	0.0	0/788	0.0	0/469	0.0								
Richmond Univ MC	2022	2/1912	1.0			0/318	0.0			NA	NA			3/842	3.6		
Rochester General	2022	19/8421	^ 2.3	6/7453	0.8	4/4886	0.8	4/3176	1.3			5/4915	1.0	0/339	0.0	4/2997	1.3
Rome Memorial	2022	0/373	0.0	0/341	0.0					NA	NA						
Roswell Park	2022											25/27455	0.9				
SUNY Downstate MedCr	2022	0/2022	0.0			0/503	0.0	1/899	1.1	0/84	0.0						
Samaritan- Troy	2022			6/3655	1.6			0/1033	0.0								
Samaritan- Watertown	2022	NA	NA	2/2825	0.7									NA	NA		
Saratoga Hospital	2022	2/3340	0.6			0/240	0.0										
Sisters of Charity	2022	0/2336	0.0	1/1735	0.6	0/1346	0.0										
Sisters- St Joseph	2022					NA	NA										
South Brooklyn Healt	2022	1/3477	0.3	0/178	0.0	0/1155	0.0	0/274	0.0								
South Nassau Comm.	2022			5/5693	0.9			3/3750	0.8	NA	NA						
South Shore UHosp	2022	0/551	0.0	5/3311	1.5			1/1180	0.8	NA	NA					NA	NA
St Anthony	2022			0/271	0.0												
St Barnabas	2022	0/399	0.0	1/2298	0.4	0/242	0.0	0/693	0.0								
St Catherine Siena	2022	3/2029	1.5			0/270	0.0										
St Charles Hospital	2022			0/675	0.0												

CLABSI rates by Ward type, New York State, 2022

Hospital	year	Medical Wards		Medical Surgical Wards		Surgical Wards		Step Down Units		Pediatric Wards		Oncology Wards		Mixed Acuity Wards		Telemetry Wards	
		CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate	CLABSI/CLDays	Rate
St Elizabeth Medical	2022			1/2193	0.5			1/1536	0.7								
St Francis- Roslyn	2022			4/6218	0.6			0/1419	0.0								
St Johns Dobbs Ferry	2022			NA	NA												
St Johns Episcopal	2022			4/1953	2.0												
St Johns Riverside	2022	1/1645	0.6	0/978	0.0											0/563	0.0
St Joseph- Bethpage	2022			1/480	2.1			0/191	0.0					0/90	0.0	1/383	2.6
St Josephs- Syracuse	2022			4/9307	0.4							1/1788	0.6			0/1242	0.0
St Josephs- Yonkers	2022			0/616	0.0												
St Lukes Cornwall	2022			4/3713	1.1									NA	NA		
St Marys Amsterdam	2022			1/521	1.9	0/484	0.0										
St Peters Hospital	2022	4/7283	0.5	0/4316	* 0.0			1/2523	0.4			1/3082	0.3	4/2766	1.4		
Staten Island U N	2022			10/2706	^ 3.7	1/492	2.0	NA	NA	0/191	0.0					1/360	2.8
Staten Island U S	2022			0/457	0.0												
Stony Brk Southamptn	2022			1/1329	0.8												
Stony Brook ELIH	2022			0/121	0.0												
Strong Memorial	2022	19/17002	1.1			4/4277	0.9	0/603	0.0	1/3933	0.3	17/14922	1.1				
Sunnyview Rehab Hosp	2022			0/88	0.0												
Syosset Hospital	2022	0/279	0.0			NA	NA										
UHS Binghamton	2022			1/1464	0.7												
UHS Chenango Memor	2022			0/256	0.0												
UHS Wilson	2022			2/2285	0.9			0/463	0.0			2/2078	1.0	2/613	3.3	1/2306	0.4
UPMC Chautauqua WCA	2022	1/1398	0.7	2/1535	1.3									0/392	0.0		
United Memorial	2022	0/993	0.0			0/704	0.0										
Unity Hosp Rochester	2022			8/16423	0.5												
Univ Hosp SUNY Upst	2022	3/6984	0.4	2/6513	0.3			1/1830	0.5	1/1252	0.8	11/10255	1.1				
Univ Hosp StonyBrook	2022	5/5188	1.0			6/6997	0.9	0/426	0.0	2/420	4.8	3/5108	0.6	2/1422	1.4		
Upst. Community Gen	2022	0/1800	0.0	0/1001	0.0												
Vassar Brothers	2022			0/5823	* 0.0					NA	NA			2/2882	0.7		
Westchester Medical	2022	4/2291	1.7	12/9979	1.2			5/3934	1.3	2/2624	0.8	9/7428	1.2				
White Plains Hosp	2022			1/3252	0.3			1/2011	0.5								
Woodhull Med Ctr	2022			1/2303	0.4	0/196	0.0	1/592	1.7	NA	NA						
Wyckoff Heights	2022			1/2826	0.4			1/331	3.0	NA	NA					1/928	1.1

Data reported as of June 15, 2023. — Significantly higher than state average. — Significantly lower than state average. — Same as state average.

Inf=number of CLABSI, CLD=Number of Central Line Days. Each hospital's 2022 data was compared to the NYS 2022 average.

Rates are per 1000 central line days (CLDAYS). Excludes mucosal barrier injury (MBI)-CLABSIs and bloodstream infections associated with use of extracorporeal membrane oxygenation and ventricular assist devices, observed or suspected patient injection into a vascular line, known or suspected Munchausen Syndrome by Proxy (MSbP), epidermolysis bullosa (EB), pus at another vascular access device site matches an organism identified in the blood and Group B *Streptococcus* BSIs in infants during the first 6 days of life. NA: units had fewer than 50 central line days.

Summary of hospital performance

In 2022, 37 hospitals (23%) were flagged for having an HAI rate significantly higher than the NYS average in one of the 23 (CRE not risk adjusted) indicators (i.e., CDI, colon SSI, CABG chest SSI, CABG donor SSI, hip SSI, hysterectomy SSI, fusion SSI, CLABSIs in eight types of ICUs and eight types of wards). New in the 2022 report, CLABSI SIR was replaced with CLABSI rate by units. Hospitals were required to submit improvement plans to NYSDOH to address each high rate. The details of the response and NYSDOH involvement increase based on the number of consecutive years of high rates, following the NYSDOH HAI Reporting Program’s “Policy for Facilities with Consecutive Years of High HAI Rates” (https://www.health.ny.gov/statistics/facilities/hospital/hospital_acquired_infections/docs/policy_repeat_high_hai_rates.pdf).

What should I do with this information?

It’s important to understand that numbers alone won’t show how well a hospital is doing in preventing HAIs. This report shows how hospitals performed in 2022, based on a selected set of HAIs and with limited adjustment for differences between patient populations. Consumers should consult with doctors, healthcare facilities, health insurance carriers, and reputable healthcare websites before deciding where to receive care. Decisions regarding healthcare quality should not be based on these data alone.

Role of the State Health Department

The NYSDOH collaborates with federal agencies, healthcare facilities, and the public with the common goal of reducing HAIs and antimicrobial resistance. Some specific achievements in 2022 are listed below.

- NYSDOH continued to audit hospitals to ensure that public reporting fairly reflects what is occurring in each hospital.
- NYSDOH continued to monitor the improvement plans from hospitals flagged with high HAI rates to encourage improvement and provide assistance as requested.
- NYSDOH continued to act as a central resource for up-to-date, evidence-based information on HAI prevention, and NYSDOH continued to assist facilities in responding to outbreaks.

Additional information on these topics is available in Part 2: Technical Report.

What Patients Can do to Prevent Infections

1. Keep hands clean.

Be sure everyone performs hand hygiene before touching you. Hand hygiene can be accomplished using an alcohol-based hand sanitizer containing at least 65% alcohol or by using soap and water if hands are visibly soiled. If you do not see your healthcare providers performing hand hygiene before caring for you, don't be shy about asking them to do so. Keep your own hands clean to avoid contaminating yourself.

2. Talk to your healthcare providers about all your questions and concerns.

Clear communication is very important. Ask your healthcare provider what specific steps are taken to prevent infections, as well as what you can do to help prevent infections.

3. Take antibiotics only if necessary and exactly as your healthcare provider prescribes.

Ask your healthcare provider if you really need an antibiotic and what you can do to feel better if you don't. Ask if tests will be done to make sure the right antibiotic is prescribed.

4. Know the signs and symptoms of infection so you can seek medical care quickly.

Diarrhea while taking an antibiotic could be a sign of *Clostridioides difficile* infection. Carefully follow your healthcare provider's instructions for post-operative care of your wounds. Watch for fever, as well as redness, pain, or discharge near a surgery or catheter site.

5. If you have a central venous catheter or urinary catheter, ask your healthcare provider every day if the catheter is still necessary.

Invasive devices provide a way for germs to enter the body. Carefully follow instructions for care of these devices when they are necessary.

Additional information on HAIs is available from CDC at <http://www.cdc.gov/hai/>.