



**Consumer Friendly Report**  
**Healthcare Associated Infections (HAI) in Pennsylvania**  
**Hospitals - 2009**

Pennsylvania is taking serious action to eliminate healthcare associated infections, also known as HAIs. An HAI is an infection that a patient gets while staying in a hospital or other healthcare facility – an infection that the patient did not have before being admitted.

HAIs are among the top causes of unnecessary illness and death in the United States. Furthermore, HAIs result in extra days of hospitalization and higher health care costs. In Pennsylvania alone, HAIs have been cumulatively estimated to result in costs of more than \$3 billion annually.

While the 2009 report released today is the second from the Pennsylvania Department of Health, it is the first to offer a full year of information on HAIs. It establishes the baseline against which hospitals will be measured in the future for changes in the rates of HAIs. However, when looking at 2009 compared to 2008, declines in HAIs are already apparent. There is a 12.5 percent decline in HAIs when compared to the 2008 report. This translates to 3,695 fewer HAIs than would have occurred if the 2008 rates had persisted.

Openly reporting the number of infections to the public annually holds hospitals accountable for reducing HAIs.

**Healthcare Associated Infections and Control Act of 2007 Overview**

In order to reduce infections, the Rendell administration worked with the legislature to pass the Healthcare Associated Infections and Control Act of 2007 (also known as Act 52). Pennsylvania's law on HAIs is more comprehensive than that of any other state. The goal of the legislation was to reduce the number of HAIs by tracking their rates, developing plans to prevent HAIs and implementing these plans. Preventing HAIs improves the quality of life for Pennsylvanians, saves money and, most importantly, saves lives.

The law requires hospitals and other health care facilities to report all of their HAIs and assigns responsibility to the PA Department of Health to receive, analyze and publish the data on an annual basis. The *2009 Technical Report Healthcare Associated Infections in Pennsylvania Hospitals* is the first full-year report issued under Act 52.

This report serves as a baseline for rates of HAIs in Pennsylvania. From this point going forward, the number of infections must go down. As additional reports are published, results will be compared against the baseline data to determine the impact of prevention measures and the degree of decline. This information will help prioritize future monitoring, research and prevention activities.

### **Highlights from the 2009 HAI Report**

- The overall 2009 statewide rate for HAIs per 1,000 patient days is 2.37. This means that for every 1,000 patient days, 2.37 individuals will develop an infection. A total of 25,914 HAIs were reported by the 250 hospitals in continuous operation in 2009.
- There is a 12.5 percent decline in HAIs when compared to the 2008 report. This translates to 3,695 fewer HAIs than would have occurred in 2008.
- The most commonly reported HAIs:
  - Surgical site infections - 24.2%
  - Urinary tract infections - 23.7%
  - Gastrointestinal infections - 18.7%
  - Blood stream infections -12.6%
- MRSA accounted for 8.2 percent of all HAIs in 2009, similar to the proportion in 2008.
- The report includes HAIs for each hospital, with an emphasis on two specific infection types: urinary tract infections associated with the use of a catheter (CAUTI) and bloodstream infections associated with the use of a central line (CLABSI). These infections are among the more common HAIs and were selected by the department and the HAI Advisory Committee for hospital-to-hospital comparisons and to measure trends over time. Future reports will analyze the patterns of another common type of HAI, known as surgical site infections.
- Sixteen hospitals have good performance measures in **both** infection categories (CAUTI and CLABSI) representing 6 percent of all Pennsylvania hospitals, while 11 hospitals have bad performance measures in both infection categories, representing 4 percent of all hospitals in the state.
- Among the urinary tract infections, 64 percent were associated with a urinary catheter. Among the blood stream infections, 67 percent were associated with a central line.

## **Information about Urinary Tract Infections Associated with a Catheter:**

- The following shows how hospitals performed with regard to CAUTIs:
  - 19% did better than expected
  - 67% as expected
  - 14% worse than expected
- The highest rate of CAUTIs occurs in rehabilitation wards. Patients in rehabilitation wards are generally recovering from surgery or a serious medical condition, such as a stroke or heart attack. Rehabilitation patients often remain hospitalized for longer periods than general medical admissions.
- Maternity care wards have the lowest rate of CAUTIs.
- Some critical care areas also have high rates of CAUTIs. These critical care areas include specialty, surgery and trauma.
- Some critical care areas have lower rates of CAUTIs. These critical care areas include burn units, cardiothoracic, medical/surgical and pediatric units.
- There are 32 hospitals that reported more CAUTIs than would be predicted when compared to the state rate.
- There are 44 hospitals that reported fewer CAUTIs than would be predicted relative to the state rate.
- There are 33 hospitals that reported zero CAUTIs.
- The state rate for CAUTIs is 1.97 CAUTIs per 1000 urinary catheter days. If 1,000 patients had a urinary catheter for one day, this means 1.97 or almost 2 out of 1000 patients would develop a CAUTI infection.

\*For a complete listing of the CAUTI information by hospital relative to the state rate, please see Table H.

## **Information about Central Line Associated Blood Stream Infections (CLABSI):**

CLABSIs are among the deadliest and most costly to treat of all of the HAIs. The data was divided into four location types because these locations use different types of central lines:

- Neonatal Intensive Care Units (NICUs)
- Long Term Acute Care (LTACs)
- Specialty Care areas treating transplant and cancer patients (SCAs)
- All Wards which cover any area of the hospital not listed above

The following information looks specifically at the **“All Wards”** category, where the largest numbers of CLABSIs are found.

- The following shows how hospitals performed with regards to CLABSIs:
  - 11% did better than expected
  - 79% as expected
  - 10% worse than expected
- The highest rates of CLABSIs were in the critical care burn and critical care pediatric units.
- No CLABSIs were reported in behavioral health, maternity care or newborn nursery wards.
- There were 19 hospitals that reported more CLABSIs than would be predicted relative to the state rate.
- There were 22 hospitals that reported fewer than would be predicted relative to the state rate.
- There were 64 hospitals that reported zero CLABSI infections.
- The state rate for CLABSIs are:
  - NICU 2.47/1000 central line days
  - LTAC 1.41/1000 central line days
  - SCA 1.93/1000 central line days
  - All wards 1.10/1000 central line days

Again, for example, this means that if 1000 patients had a central line for one day in a longer term acute care hospital, 1 or 2 of them would get a CLABSI.

\*For a complete listing of the CLABSI information by hospital relative to the state rate for All Wards, please see Table I.

The following information looks specifically at CLABSI in the **Neonatal Intensive Care Unit**.

- The following shows how hospitals performed with regards to CLABSI – Neonatal Intensive Care Unit:
  - 1 hospital did better than expected
  - 38 hospitals were as expected
  - 2 hospitals were worse than expected
- Neonatal Intensive Care Units treat prematurely born babies, often with serious medical conditions, and often use special types of central lines.
- Two hospitals reported more CLABSIs than predicted relative to the state rate.
- There are 14 hospitals that reported zero NICU CLABSI infections.
- There is one hospital that reported fewer NICU CLABSI infections than predicted relative to the state rate.

\*For a complete listing of the CLABSI information by hospital relative to the state rate for NICUs, please see Table J.

The following information looks specifically at CLABSI in **Specialty Care Areas**.

- The following shows how hospitals performed with regards to CLABSI – Specialty Care Areas:
  - 1 hospital did better than expected
  - 17 hospitals were as expected
  - 3 hospitals were worse than expected
- Specialty Care Areas include adult and pediatric bone marrow and solid organ transplant wards and hematology and oncology wards that specialize in treating patients with cancer.
- These patients have extremely serious medical conditions and severely compromised immune systems. Both permanent and temporary central lines are used in these patients.
- Three hospitals reported more SCA CLABSI infections than predicted relative to the state rate.

- There are three hospitals that reported zero SCA CLABSI infections.
- There is one hospital that reported fewer SCA CLABSI infections than predicted relative to the state rate.
- The state rate for SCA CLABSI is 1.93/1000 central line days, meaning if 1000 patients had a central line in a Specialty Care Area for one day, almost 2 out of a 1000 patients would get a CLABSI.

\*For a complete listing of the CLABSI information by hospital relative to the state rate for Specialty Care Areas, please see Table K.

The following information looks specifically at CLABSIs in **Long Term Acute Care** hospitals in Pennsylvania.

- The following shows how hospitals performed with regards to CLABSI – Long Term AcuteCare:
  - 3 hospitals did better than expected
  - 20 hospitals were as expected
  - 4 hospitals were worse than expected
- There are 27 long term acute care hospitals in Pennsylvania. These hospitals see patients with serious medical conditions that receive extended in-patient care, which is why they are analyzed separately in this report.
- Four hospitals reported more CLABSI infections than predicted relative to the state rate.
- 14 hospitals reported zero LTAC CLABSI infections.
- There are three hospitals that reported fewer LTAC CLABSI infections than predicted relative to the state rate.
- The state rate for LTAC CLABSI is 1.41/1000 central line days.

\*For a complete listing of the CLABSI information by hospital relative to the state rate for Long Term Acute Care hospitals, please see Table L.

## **Methodology of HAI Calculations**

- The HAI rates tabulated in this baseline report include infections associated with the use of central lines. A central line is a catheter inserted into a vein or artery that ends at, or close to, the heart or in one of the great blood vessels (the large vessels entering the heart). A central line is used for delivering fluids, medications or nutrients into a patient's circulatory system, withdrawing blood or cardiac monitoring (allows for continual monitoring of the function of the heart).
- A Central Line Associated Blood Stream Infection (CLABSI) is an infection of the bloodstream associated with the presence of a central line.
- This report also tabulates the rates associated with Catheter Associated Urinary Tract Infections (CAUTI). A CAUTI is a urinary tract infection occurring when a patient has a urinary catheter, or becoming infected within 48 hours after the use of a catheter.
- Finally, while the report includes data on Surgical Site Infections (SSI), which are infections at the site of an individual's operation (usually at the incision) that is caused by the operation, it does not include rates for surgical site infections (SSIs). The reason for the absence of rates is because the time frame between the date of the procedure and the development of some surgical site infection can be up to one year later. Consequently, the period of observation for SSIs extends until the end of 2010 and will be reported separately at a later date.
- This report includes tables that indicate the rate of HAI by hospital. A color coding system is used to show whether the hospital's performance is significantly worse than predicted (red), significantly better than predicted (green) or not significantly different than predicted (yellow). The values have been adjusted according to the hospital size, the services provided or the types of patients treated.

## **Department of Health Plans to Further Reduce the Incidence of HAIs**

- Future reports will assess trends of HAIs in Pennsylvania by comparing the baseline data of 2009 contained in this report. While a 12.5 percent decline in HAIs between the last half of 2008 and calendar year 2009 is encouraging, the need to continue moving in this direction in future years is critical to the eventual goal of HAI elimination.
- Several efforts are underway to assist hospitals to systematically address the challenge of HAIs in their institutions. The Department is currently working on the creation of two prevention collaborative initiatives in different parts of the commonwealth, looking at the identification of best practices to reduce HAIs.
- After the establishment of the benchmark rates, any hospital with HAI rates that does not meet the benchmark will be required to submit a plan of correction to PADOH within 60 days. After 180 days, a hospital that continues to show no progress in reducing its HAI rate will consult with and obtain PADOH approval for a new plan of correction that includes resources available to assist the facility. After an additional 180 days, a hospital that still fails to show progress in reducing its HAI rate is subject to sanctions under the Health Care Facilities Act.
- Finally, auditing of medical records is an essential component of assuring accurate reporting of HAIs in Pennsylvania. These audits will be performed by PADOH in all hospitals. The Department will look for accuracy of reporting and for the presence of possible unreported HAIs in the facility. The Department has received federal funds from the American Recovery and Reinvestment Act for this purpose, and the facilities will be audited on a prioritized basis (the priority being those reporting exceptionally high or exceptionally low numbers of HAIs), using measures that are currently under development.

A full description of the importance of HAIs, the requirements of Act 52 and the processes for data collection and analysis are included in the full report of data, which can be found on the Department of Health website at [www.health.state.pa.us](http://www.health.state.pa.us).

**Table A**

**2009 Hospital Aquired Infections by Type**

The leading areas of infection include surgical site infections (6,277), urinary tract infections (6,145) and gastrointestinal (4,848).

<b>Infection Type</b>	<b>Number of Infections</b>	<b>% of Infections</b>
Bone and Joint (BJ)	18	0.07%
Blood Stream Infection (BSI)	3,271	12.62%
Central Nervous System (CNS)	77	0.30%
Cardiovascular System (CVS)	96	0.37%
Ear Nose and Throat (EENT)	603	2.33%
Gastrointestinal (GI)	4,848	18.71%
Lower Respiratory Tract (LRI)	869	3.35%
Pneumonia (PNEU)	2,888	11.14%
Reproductive (REPR)	105	0.41%
Surgical Site Infection (SSI)	6,277	24.22%
Skin and Soft Tissue (SST)	712	2.75%
Systemic (SYS)	5	0.02%
Urinary Tract Infection (UTI)	6,145	23.71%
<b>TOTAL</b>	<b>25,914</b>	<b>100%</b>

Please note: For the 2009 HAI Report, blood stream infection and urinary tract infection information was obtained for benchmarking, and, consequently, the full report assesses those two types of infections in great detail. Benchmark conditions for surgical site infections will be measured in a future report.

**Table B**

**2009 Infections That Were a Result of a Central Line or a Urinary Catheter in a Patient**

Both blood stream and urinary tract infections can occur absent a central line or catheter. However, the majority of infections are related to those devices.

<b>Blood Stream Infections (BSI)</b>	<b>Total</b>	<b>%</b>	<b>Urinary Tract Infections (UTI)</b>	<b>Total</b>	<b>%</b>
Non-line Associated	1,096	34%	Non-catheter Associated	2,210	36%
Central Line Associated	2,175	66%	Catheter-Associated	3,935	64%
BSI Total	3,271	100%	UTI Total	6,145	100%

**Table C**

**Comparison of HAI's between 2008 and 2009 by Infection Type**

The overall pattern of HAIs by type of infection looks remarkably similar between 2008 and 2009. The only major difference is that surgical site infection is the single most common healthcare associated infection type in 2009, whereas urinary tract infection was slightly more common in 2009.

<b>Infection Type</b>	<b>2008*</b>	<b>2009**</b>
Bone and Joint (BJ)	0.04%	0.07%
Blood Stream Infection (BSI)	14.38%	12.62%
Central Nervous System (CNS)	0.28%	0.30%
Cardiovascular System (CVS)	0.53%	0.37%
Ear Nose and Throat (EENT)	2.34%	2.33%
Gastrointestinal (GI)	18.15%	18.71%
Lower Respiratory Tract (LRI)	2.98%	3.35%
Pneumonia (PNEU)	10.78%	11.14%
Reproductive (REPR)	0.43%	0.41%
Surgical Site Infection (SSI)	22.23%	24.22%
Skin and Soft Tissue (SST)	3.04%	2.75%
Systemic (SYS)	-----	0.02
Urinary Tract Infection (UTI)	24.82%	23.71%
<b>TOTAL</b>	<b>100%</b>	<b>100%</b>

\* based on 6 months of data

\*\* based on 12 months of data

**Table D**

**Comparison between 2008 and 2009 of Infections That Were a Result of Central Lines and Urinary Catheters**

While, overall, 2009 does show a decline in CLABSI and CAUTI, this is an estimate, since the 2008 data was adjusted for 12 months.

<b>Infection Code</b>	<b>Infection Type</b>	<b>2008 (Adjusted for 12 months)</b>		<b>2009</b>	
		Total	% of all HAI	Total	% of all HAI
CLABSI	Central Line Associated Blood Stream Infection	2,712	9.85%	2,175	8.39%
CAUTI	Catheter Associated Urinary Tract Infection	4,714	17.12%	3,935	15.19%
<b>TOTAL</b>		<b>7,426</b>	<b>25.91%</b>	<b>6,110</b>	<b>23.57%</b>

**Table E**

**2009 Infections by Type Caused by MRSA  
(Methicillin-Resistant *Staphylococcus aureus*)**

MRSA is one of the more dangerous drug-resistant infections found in the hospital setting. This chart shows MRSA caused 21.63% of skin and soft tissue infections reported in 2009.

Infection Type	Total HAI	Number due to MRSA	% MRSA
Bone & Joint (BJ)	18	6	33.33%
Bloodstream (BSI)	3,271	368	11.25%
Central Nervous System (CNS)	77	1	1.30%
Cardiovascular (CVS)	96	17	17.71%
Eyes Ear Nose Throat (EENT)	603	16	2.65%
Gastrointestinal (GI)	4,848	16	0.33%
Lower Respiratory Infections (LRI)	869	127	14.61%
Pneumonia (PNEU)	2,888	343	11.88%
Reproductive (REPR)	105	0	0%
Surgical Site Infection (SSI)	6,277	943	15.02%
Skin & Soft Tissue (SST)	712	154	21.63%
Systemic (SYS)	5	1	20.00%
Urinary Tract Infection (UTI)	6,145	125	2.03%
<b>Total</b>	<b>25,914</b>	<b>2,117</b>	<b>8.17%</b>

**Table F**

**Comparison between 2008 and 2009 MRSA Infections Associated with a Urinary Tract Infection and Central Line**

As mentioned with Table E, MRSA is a well-known, drug resistant organism that causes significant illness and even death. However, it is one of many bacteria to cause infections associated with urinary tract infections and central lines. As seen here in this chart, it is a bigger problem for CLABSIs, as CAUTIS are often caused by E-coli.

Infection Code	Infection Type	2008 (adjusted for 12 months)			2009		
		Total	# MRSA	% MRSA	Total	# MRSA	% MRSA
CLABSI	Central Line Associated Blood Stream Infection	2712	264	9.73%	2,175	228	10.48%
CAUTI	Catheter Associated Urinary Tract Infection	4714	76	1.61%	3,935	86	2.18%
<b>TOTAL</b>		<b>3713</b>	<b>170</b>	<b>4.58%</b>	<b>6,110</b>	<b>314</b>	<b>5.14%</b>

**Table G**




**Comparison between 2008 and 2009 MRSA Infections by Infection Type**

While the overall proportion of infections due to MRSA remained stable, some infection sites saw decreases in MRSA, while others saw an increase. Many hospitals in Pennsylvania have instituted strong measures to reduce the burden of MRSA infections.

<b>Infection Type</b>	<b>Percent in 2008</b>	<b>Percent in 2009</b>
Bone & Joint (BJ)	40.00%	33.33%
Bloodstream (BSI)	10.25%	11.25%
Central Nervous System (CNS)	2.56%	1.30%
Cardiovascular (CVS)	16.44%	17.71%
Eyes Ear Nose Throat (EENT)	4.97%	2.65%
Gastrointestinal (GI)	0.12%	0.33%
Lower Respiratory Tract (LRI)	14.36%	14.61%
Pneumonia (PNEU)	10.98%	11.88%
Reproductive (REPR)	0%	0%
Surgical Site Infection (SSI)	16.79%	15.02%
Skin & Soft Tissue (SST)	21.29%	21.63%
Systemic (SYS)	-----	20.00%
Urinary Tract Infection (UTI)	1.64%	2.03%
<b>Total</b>	<b>100%</b>	<b>100%</b>

Please note: MRSA is one of many drug-resistant organisms that cause HAIs. Knowing the public's interest in MRSA, we included this information for comparison.

## Key for Tables H - L

-  Significantly higher than state rate;  
95% confidence interval (margin of error) is completely above 1
-  Significantly lower than state rate;  
95% confidence interval (margin of error) is completely below 1
-  Not significantly different than state rate;  
95% confidence interval (margin of error) includes 1

















**Table H**

### **2009 CAUTI Information by Hospital Relative to the State Rate**

The following table specifically looks at catheter associated urinary tract infections (CAUTI) for 2009, and the rates for hospitals are adjusted using the standard infection ratio (SIR). For a definition of SIR, please see the Appendix.

Please note: N/A represents hospitals that do not have patients with urinary catheters, and, consequently, no data can be collected.

This table assesses the number of catheter associated urinary tract infections reported by each hospital, the number the department would predict to see based on statewide rates, the difference between those two numbers and whether the ratio between the two was higher, similar or lower than the state rate.

orgID	Name	# reported	# expected	Difference	Adjusted SIR	Color code and results
11838	Abington Memorial Hospital	97	75.55	21.45	1.28	 More than expected
12500	Albert Einstein – Elkins park	2	7.54	-5.54	0.27	 Less than expected
12508	Albert Einstein – Moss Rehab	25	9.97	15.03	2.51	 More than expected
10585	Albert Einstein Medical Center	76	61.31	14.69	1.24	 Not significantly different
10648	Allegheny General Hospital	161	108.09	52.91	1.49	 More than expected
11842	Alle-Kiski Medical Center	13	11.97	1.03	1.09	 Not significantly different
11962	Allenstown State	N/A	N/A	N/A	N/A	N/A
12591	Allied Services Inst. of Rehab	3	2.94	0.06	1.02	 Not significantly different
10178	Altoona Regional Hlth Sys	12	37.82	-25.82	0.32	 Less than expected
12350	Angela Jane Pavilion Rehab Hosp	1	0.17	0.83	5.76	 Not significantly different
11388	Aria - Frankford Hospital	71	78.27	-7.27	0.91	 Not significantly different
12057	Armstrong Cty Memorial Hosp	1	9.24	-8.24	0.11	 Less than expected
12037	Barix Clinics Of Pennsylvania	0	0.64	-0.64	0.00	 Not significantly different
12404	Barnes-Kasson County Hospital	0	1.18	-1.18	0.00	 Not significantly different
12505	Belmont Center For Comprehensive Treatment	0	0.02	-0.02	0.00	 Not significantly different
11442	Berwick Hospital Center	1	4.28	-3.28	0.23	 Not significantly different
12008	Bloomsburg Hospital	1	5.55	-4.55	0.18	 Not significantly different

orgID	Name	# reported	# expected	Difference	Adjusted SIR	Color code and results
12361	Bradford Regional Medical Ctr	4	5.09	-1.09	0.79	Not significantly different
11979	Brandywine Hospital	6	9.31	-3.31	0.64	Not significantly different
12623	Brooke Glen Behavioral Hospital	N/A	N/A	N/A	N/A	N/A
12418	Brookville Hospital	2	1.67	0.33	1.20	Not significantly different
11417	Bryn Mawr Rehab Hospital	4	4.79	-0.79	0.83	Not significantly different
12461	Bucktail Medical Center	0	0.39	-0.39	0.00	Not significantly different
11736	Butler Memorial Hospital	27	21.35	5.65	1.26	Not significantly different
11586	Canonsburg General Hospital	2	6.81	-4.81	0.29	Not significantly different
11997	Carlisle Regional Medical Center	17	12.91	4.09	1.32	Not significantly different
11913	Chambersburg Hospital	22	16.54	5.46	1.33	Not significantly different
11956	Charles Cole Memorial Hospital	2	2.16	-0.16	0.93	Not significantly different
12016	Chester County Hospital	34	24.70	9.30	1.38	Not significantly different
12304	Chestnut Hill Hospital	8	16.51	-8.51	0.48	Less than expected
10306	Children's Hosp Of Philadelphia	25	10.09	14.91	2.48	More than expected
12266	Children's Institute Of Pittsburgh	0	0.20	-0.20	0.00	Not significantly different
11640	Children's Hospital Of Pittsburgh	0	19.89	-19.89	0.00	Less than expected
11654	Clarion Hospital	7	5.85	1.15	1.20	Not significantly different
12454	Clarion Psychiatric Center	N/A	N/A	N/A	N/A	N/A
12051	Clarks Summit State Hospital	2	0.94	1.06	2.12	Not significantly different
11843	Clearfield Hospital	3	7.44	-4.44	0.40	Not significantly different
11914	Community Medical Center	7	18.02	-11.02	0.39	Less than expected
10280	Conemaugh Valley Mem Hosp	39	64.95	-25.95	0.60	Less than expected
11872	Coordinated Health Orthopedic Hospital	0	1.53	-1.53	0.00	Not significantly different
12283	Corry Memorial Hospital	0	0.83	-0.83	0.00	Not significantly different
12273	Crichton Rehabilitation Center	3	1.42	1.58	2.11	Not significantly different
11851	Crozer Chester - Springfield	0	2.26	-2.26	0.00	Not significantly different
11932	Crozer Chester - Taylor	3	14.31	-11.31	0.21	Less than expected
11839	Crozer Chester Medical Center	18	34.38	-16.38	0.52	Less than expected
11848	Danville State Hospital	1	1.32	-0.32	0.76	Not significantly different
11972	Delaware Cty Memorial Hospital	6	25.10	-19.10	0.24	Less than expected
12738	Devereux Children's Behavioral Health Institute	N/A	N/A	N/A	N/A	N/A
11743	Divine Providence Hosp	0	0.01	-0.01	0.00	Not significantly different
10190	Doylestown Hospital	20	11.59	8.41	1.73	More than expected
11606	Dubois Regional Medical Ctr	15	10.74	4.26	1.40	Not significantly different
12965	Eagleville	N/A	N/A	N/A	N/A	N/A
12348	Eastern Regional Medical Center	9	2.74	6.26	3.29	More than expected
11929	Easton Hospital	54	27.73	26.27	1.95	More than expected
12552	Edgewood Surgical Hospital	0	0.10	-0.10	0.00	Not significantly different
11859	Elk Regional Health Center	0	4.77	-4.77	0.00	Less than expected
11779	Ellwood City Hospital	5	2.60	2.40	1.93	Not significantly different
11764	Ephrata Community Hosp	17	8.76	8.24	1.94	More than expected
11701	Evangelical Community Hosp	4	11.82	-7.82	0.34	Less than expected
11639	Excelsa Health Frick Hospital	1	5.59	-4.59	0.18	Less than expected
11651	Excelsa Health Latrobe Hospital	5	23.11	-18.11	0.22	Less than expected
11637	Excelsa Health Westmoreland Regional Hospital	23	57.56	-34.56	0.40	Less than expected
12565	Fairmount Behavioral Health System	N/A	N/A	N/A	N/A	N/A

orgID	Name	# reported	# expected	Difference	Adjusted SIR	Color code and results
12050	First Hosp of Wyoming Valley	N/A	N/A	N/A	N/A	N/A
12832	Foundations Behavioral Health	N/A	N/A	N/A	N/A	N/A
12488	Friends Hospital	N/A	N/A	N/A	N/A	N/A
11939	Fulton County Medical Center	0	0.40	-0.40	0.00	Not significantly different
11993	Geisinger Healthsouth Rehabilitation Hospital	2	0.82	1.18	2.45	Not significantly different
11775	Geisinger Medical Center	71	49.62	21.38	1.43	More than expected
11780	Geisinger Wyoming Valley	36	32.31	3.69	1.11	Not significantly different
11531	Gettysburg Hospital	2	4.01	-2.01	0.50	Not significantly different
12262	Girard Medical Center	30	4.89	25.11	6.14	More than expected
12241	Gnaden Huetten Memorial Hosp	3	4.96	-1.96	0.60	Not significantly different
11712	Good Samaritan Hospital, The	13	20.63	-7.63	0.63	Not significantly different
13929	Good Shepherd Penn Partners	2	0.52	1.48	3.83	Not significantly different
11896	Good Shepherd Rehab Hosp	9	4.10	4.90	2.20	More than expected
11887	Good Shepherd Specialty Hosp	24	9.36	14.64	2.56	More than expected
11847	Grand View Hospital	10	16.54	-6.54	0.60	Not significantly different
11722	Grove City Medical Center	9	2.62	6.38	3.44	More than expected
11437	Hahnemann University Hospital	39	43.97	-4.97	0.89	Not significantly different
11725	Hamot Medical Center	92	44.52	47.48	2.07	More than expected
11899	Hanover Hospital	4	13.51	-9.51	0.30	Less than expected
11878	Hazleton General Hospital	50	13.97	36.03	3.58	More than expected
11727	Healthsouth Harmarville Rehab	4	6.58	-2.58	0.61	Not significantly different
12254	Healthsouth Hosp Of Pittsburgh	14	13.34	0.66	1.05	Not significantly different
11667	Healthsouth Nittany Valley Rehabilitation Hospital	4	1.54	2.46	2.60	Not significantly different
12388	Healthsouth Regional Specialty Hospital	32	11.09	20.91	2.88	More than expected
11903	Healthsouth Rehab Hosp Of Altoona	2	2.35	-0.35	0.85	Not significantly different
11810	Healthsouth Rehab Hosp Of Erie Inc	3	1.84	1.16	1.63	Not significantly different
12402	Healthsouth Rehab Hosp Of Mechanicsburg	6	3.21	2.79	1.87	Not significantly different
12139	Healthsouth Rehab Hosp Of Reading	1	1.18	-0.18	0.85	Not significantly different
12066	Healthsouth Rehab Hosp Of Sewickley	4	1.42	2.58	2.81	Not significantly different
12058	Healthsouth Rehab Hosp Of York	7	2.49	4.51	2.81	More than expected
12571	Heart Of Lancaster Regional Medical Center	1	4.25	-3.25	0.24	Not significantly different
11831	Heritage Valley Beaver	24	37.31	-13.31	0.64	Less than expected
10375	Heritage Valley Sewickley	8	22.55	-14.55	0.35	Less than expected
11902	Highlands Hospital	0	2.11	-2.11	0.00	Not significantly different
11973	Holy Redeemer Hosp & Med Ctr	14	20.07	-6.07	0.70	Not significantly different
12387	Holy Spirit Hospital	29	27.64	1.36	1.05	Not significantly different
12543	Horsham Clinic	N/A	N/A	N/A	N/A	N/A
12134	Hosp Of Fox Chase Cancer Ctr	18	16.98	1.02	1.06	Not significantly different
10219	Hospital of the University of Pennsylvania	230	101.23	128.77	2.27	More than expected
11759	Indiana Regional Medical Center	10	6.93	3.07	1.44	Not significantly different
11724	J C Blair Memorial Hosp	14	3.79	10.21	3.69	More than expected
11954	Jameson Memorial Hospital	5	13.19	-8.19	0.38	Less than expected

orgID	Name	# reported	# expected	Difference	Adjusted SIR	Color code and results
11459	Jeanes Hospital	11	21.27	-10.27	0.52	Less than expected
10237	Jefferson Regional Medical Ctr.	23	26.99	-3.99	0.85	Not significantly different
12337	Jennersville Regional Hospital	8	5.60	2.40	1.43	Not significantly different
11689	Jersey Shore Hospital	0	1.24	-1.24	0.00	Not significantly different
11861	John Heinz Institute Of Rehabilitation	6	3.05	2.95	1.97	Not significantly different
12111	Kane Community Hospital	1	0.96	0.04	1.04	Not significantly different
12609	Kensington Hospital	0	0.50	-0.50	0.00	Not significantly different
12430	Kidspace Orchard Hills Campus	N/A	N/A	N/A	N/A	N/A
12268	Kindred Hospital - Heritage Valley	8	10.77	-2.77	0.74	Not significantly different
12504	Kindred Hospital- Delaware County	2	6.16	-4.16	0.32	Not significantly different
11832	Kindred Hospital- Philadelphia	19	17.01	1.99	1.12	Not significantly different
12908	Kindred Hospital Philadelphia- Havertown	3	8.27	-5.27	0.36	Not significantly different
12358	Kindred Hospital- Pittsburgh	19	13.12	5.88	1.45	Not significantly different
12296	Kindred Hospital Pittsburgh- North Shore	11	9.06	1.94	1.21	Not significantly different
12485	Kindred Hospital- Wyoming Valley	13	9.34	3.66	1.39	Not significantly different
12624	Kirkbride Center	N/A	N/A	N/A	N/A	N/A
10183	Lancaster General Hospital	41	42.87	-1.87	0.96	Not significantly different
12335	Lancaster Regional Medical Ctr	1	7.39	-6.39	0.14	Less than expected
12628	Lancaster Rehabilitation Hospital	2	0.74	1.26	2.69	Not significantly different
12032	Lansdale Hospital	18	6.78	11.22	2.66	More than expected
11884	Lehigh Valley Hospital	112	99.08	12.92	1.13	Not significantly different
11898	Lehigh Valley Hospital - Muhlenberg	10	30.57	-20.57	0.33	Less than expected
11825	Lewistown Hospital	0	6.25	-6.25	0.00	Less than expected
12005	Lifecare Hospitals Of Chester County	17	9.21	7.79	1.85	More than expected
11945	Lifecare Hospitals Of Pittsburgh	8	14.81	-6.81	0.54	Not significantly different
12385	Lifecare Hospitals Of Pittsburgh - North Campus	8	7.70	0.30	1.04	Not significantly different
12097	Lock Haven Hospital	0	1.04	-1.04	0.00	Not significantly different
12390	Lower Bucks Hospital	21	8.89	12.11	2.36	More than expected
12146	Magee Rehab Hospital	55	18.68	36.32	2.94	More than expected
10301	Magee Women's Hospital Of UPMC Health System	8	23.92	-15.92	0.33	Less than expected
11753	Main Line Hospital - Bryn Mawr	16	27.13	-11.13	0.59	Less than expected
11770	Main Line Hospital - Lankenau	27	28.58	-1.58	0.94	Not significantly different
11750	Main Line Hospital - Paoli	13	12.09	0.91	1.08	Not significantly different
12338	Marian Community Hospital	2	3.57	-1.57	0.56	Not significantly different
12156	Meadows Psychiatric Center, The	N/A	N/A	N/A	N/A	N/A
11583	Meadville Medical Center	17	16.12	0.88	1.05	Not significantly different
11633	Memorial Hospital York	18	14.07	3.93	1.28	Not significantly different
12549	Memorial Hospital, Inc. Towanda	0	2.74	-2.74	0.00	Not significantly different
11683	Mercy Fitzgerald Hospital	11	25.90	-14.90	0.42	Less than expected
12533	Mercy Hospital Scranton	5	26.27	-21.27	0.19	Less than expected
11946	Mercy Philadelphia Hospital	7	18.90	-11.90	0.37	Less than expected
12604	Mercy Special Care Hospital	26	7.13	18.87	3.65	More than expected
11952	Mercy Suburban Hosp Norristown	7	17.13	-10.13	0.41	Less than expected

orgID	Name	# reported	# expected	Difference	Adjusted SIR	Color code and results
11829	Mercy Tyler Memorial Hospital	1	2.93	-1.93	0.34	Not significantly different
11968	Meyersdale Community Hosp	0	0.39	-0.39	0.00	Not significantly different
11557	Mid-Valley Hospital	2	1.57	0.43	1.27	Not significantly different
12253	Millcreek Community Hosp	1	4.26	-3.26	0.23	Not significantly different
11747	Milton S Hershey Medical Ctr	132	77.63	54.37	1.70	More than expected
12295	Miners Medical Center	0	1.39	-1.39	0.00	Not significantly different
12287	Mongomery County MR/MR Services	N/A	N/A	N/A	N/A	N/A
11069	Monongahela Valley Hosp	9	12.13	-3.13	0.74	Not significantly different
11947	Montgomery Hospital	8	7.25	0.75	1.10	Not significantly different
11817	Montrose General Hospital	0	1.12	-1.12	0.00	Not significantly different
11528	Moses Taylor Hospital	22	22.35	-0.35	0.98	Not significantly different
11797	Mount Nittany Medical Center	30	29.22	0.78	1.03	Not significantly different
11748	Muncy Valley Hospital	0	0.77	-0.77	0.00	Not significantly different
11907	Nason Hospital	2	2.91	-0.91	0.69	Not significantly different
11919	Nazareth Hospital	15	19.88	-4.88	0.75	Not significantly different
12047	Norristown State Hospital	N/A	N/A	N/A	N/A	N/A
12298	Ohio Valley General Hosp	0	9.40	-9.40	0.00	Less than expected
12396	Palmerton Hospital	0	2.32	-2.32	0.00	Not significantly different
11814	Penn Presbyterian Med. Ctr.	22	24.38	-2.38	0.90	Not significantly different
11915	Penn State Hershey Rehab	4	1.34	2.66	2.97	Not significantly different
11448	Pennsylvania Hosp of the Univ of Pennsylvania Health Sys	24	48.01	-24.01	0.50	Less than expected
14190	Pennsylvania Psychiatric Institute	N/A	N/A	N/A	N/A	N/A
11740	Philhaven	N/A	N/A	N/A	N/A	N/A
11836	Phoenixville Hospital	9	12.42	-3.42	0.72	Not significantly different
10122	Pinnacle Health Hospitals	61	106.08	-45.08	0.58	Less than expected
11772	Pocono Medical Center	15	15.60	-0.60	0.96	Not significantly different
11983	Pottstown Memorial Med. Ctr.	16	15.69	0.31	1.02	Not significantly different
11830	Punxsutawney Area Hosp	1	2.97	-1.97	0.34	Not significantly different
12375	Reading Hospital & Med. Ctr.	34	56.19	-22.19	0.61	Less than expected
11731	Riddle Memorial Hosp	6	28.44	-22.44	0.21	Less than expected
12422	Robert Packer Hospital	15	30.68	-15.68	0.49	Less than expected
11978	Roxborough Memorial Hosp	8	14.40	-6.40	0.56	Not significantly different
12723	Roxbury Treatment Center	N/A	N/A	N/A	N/A	N/A
11684	Sacred Heart Hospital	6	5.04	0.96	1.19	Not significantly different
11699	Saint Vincent Health Center	42	41.09	0.91	1.02	Not significantly different
11922	Schuylkill Medical Center - East Norwegian Street	9	8.08	0.92	1.11	Not significantly different
12087	Schuylkill Medical Center - South Jackson Street	7	8.95	-1.95	0.78	Not significantly different
13921	Select Medical At Polyclinc Medical Center (Harrisburg)	4	5.66	-1.66	0.71	Not significantly different
11880	Select Specialty Hospital - Erie	20	3.53	16.47	5.66	More than expected
12147	Select Specialty Hospital - Central Pennsylvania (Camp Hill)	3	8.00	-5.00	0.37	Not significantly different
12334	Select Specialty Hospital - Central Pennsylvania (York)	8	4.82	3.18	1.66	Not significantly different
12123	Select Specialty Hospital - Danville	5	2.26	2.74	2.21	Not significantly different
12299	Select Specialty Hospital - Johnstown	9	7.80	1.20	1.15	Not significantly different

orgID	Name	# reported	# expected	Difference	Adjusted SIR	Color code and results
12271	Select Specialty Hospital - Mckeesport, Inc.	1	5.99	-4.99	0.17	Less than expected
12009	Select Specialty Hospital - Pittsburgh/UPMC	15	8.60	6.40	1.74	Not significantly different
12108	Select Specialty Hospital Laurel Highlands Inc	5	8.49	-3.49	0.59	Not significantly different
12133	Shamokin Area Community Hosp	1	3.72	-2.72	0.27	Not significantly different
12250	Sharon Regional Health System	6	10.51	-4.51	0.57	Not significantly different
12244	Shriners Hospitals For Children - Phila	0	1.96	-1.96	0.00	Not significantly different
12411	Shriners Hospitals For Children Erie	0	0.17	-0.17	0.00	Not significantly different
11688	Soldiers & Sailors Mem Hosp	3	2.90	0.10	1.04	Not significantly different
12282	Somerset Hospital	4	8.04	-4.04	0.50	Not significantly different
11942	Southwest Regional Med. Ctr.	2	3.09	-1.09	0.65	Not significantly different
12453	Southwood Psychiatric Hospital	N/A	N/A	N/A	N/A	N/A
11940	St Agnes Long Term Care Hosp	7	7.60	-0.60	0.92	Not significantly different
12365	St Catherine Medical Center Fountain Springs	2	1.80	0.20	1.11	Not significantly different
12290	St Christopher's Hosp For Children	1	2.32	-1.32	0.43	Not significantly different
10561	St Clair Memorial Hosp	10	22.90	-12.90	0.44	Less than expected
12548	St John Vianney Hospital	N/A	N/A	N/A	N/A	N/A
11961	St Joseph Medical Ctr	5	17.74	-12.74	0.28	Less than expected
12438	St Joseph's Hospital	41	18.76	22.24	2.19	More than expected
11718	St Luke's Hospital Bethlehem	72	85.07	-13.07	0.85	Not significantly different
11784	St Luke's Miners Memorial Hospital	6	4.12	1.88	1.46	Not significantly different
11711	St Luke's Quakertown Hospital	3	2.32	0.68	1.29	Not significantly different
11885	St Mary Medical Ctr	36	21.68	14.32	1.66	More than expected
12483	St Mary Medical Ctr - Rehab	0	0.78	-0.78	0.00	Not significantly different
12105	Sunbury Community Hosp	1	2.46	-1.46	0.41	Not significantly different
12535	Surgical Institute Of Reading	0	1.20	-1.20	0.00	Not significantly different
12382	Temple University Hospital	105	76.34	28.66	1.38	More than expected
12017	Thomas Jefferson - Methodist	48	26.86	21.14	1.79	More than expected
11506	Thomas Jefferson Univ Hosp	185	122.76	62.24	1.51	More than expected
11738	Titusville Area Hospital	0	2.47	-2.47	0.00	Not significantly different
12091	Torrance State Hospital	0	0.02	-0.02	0.00	Not significantly different
12007	Triumph Hospital Easton	14	6.32	7.68	2.21	More than expected
12018	Troy Community Hospital	7	3.58	3.42	1.95	Not significantly different
12717	Tyrone Hospital	1	1.29	-0.29	0.77	Not significantly different
10441	Uniontown Hospital	3	14.28	-11.28	0.21	Less than expected
11680	UPMC Bedford	1	3.11	-2.11	0.32	Not significantly different
10576	UPMC Braddock	3	6.02	-3.02	0.50	Not significantly different
11675	UPMC Horizon	5	15.28	-10.28	0.33	Less than expected
11707	UPMC McKeesport	23	16.06	6.94	1.43	Not significantly different
10384	UPMC Mercy	53	52.73	0.27	1.01	Not significantly different
11837	UPMC Northwest - Seneca	4	9.31	-5.31	0.43	Not significantly different
11242	UPMC Passavant	51	40.81	10.19	1.25	Not significantly different
10348	UPMC Presbyterian	119	179.14	-60.14	0.66	Less than expected
10118	UPMC Presbyterian Shadyside	32	83.11	-51.11	0.39	Less than expected

orgID	Name	# reported	# expected	Difference	Adjusted SIR	Color code and results
11561	UPMC St Margaret	34	41.09	-7.09	0.83	Not significantly different
12029	Valley Forge Med Ctr & Hosp	N/A	N/A	N/A	N/A	N/A
12216	Warren General Hospital	3	3.48	-0.48	0.86	Not significantly different
12081	Warren State Hospital	N/A	N/A	N/A	N/A	N/A
11460	Washington Hospital, The	15	15.67	-0.67	0.96	Not significantly different
12004	Wayne Memorial Hospital	2	4.68	-2.68	0.43	Not significantly different
11642	Waynesboro Hospital	7	2.85	4.15	2.45	Not significantly different
12368	Wernersville State Hospital	0	0.65	-0.65	0.00	Not significantly different
11265	Western Pennsylvania Hospital Forbes Regional Campus, The	4	27.94	-23.94	0.14	Less than expected
11864	Western Pennsylvania Hospital	22	55.18	-33.18	0.40	Less than expected
12487	Westfield Hospital	0	0.20	-0.20	0.00	Not significantly different
11732	Williamsport Hospital & Medical Center	20	25.28	-5.28	0.79	Not significantly different
12031	Windber Hospital	2	2.46	-0.46	0.81	Not significantly different
11916	WVHCS Hospital	54	40.66	13.34	1.33	Not significantly different
10108	York Hospital	87	73.94	13.06	1.18	Not significantly different

**Table I**

**2009 CLABSI Information by Hospital for All Wards (ICU and Others) Relative to the State Rate**

The following table specifically looks at central line associated bloodstream infections (CLABSI) for 2009 reported by each hospital, the number the Department of Health would predict to see based on statewide rates, the difference between those two and whether it was higher, similar or lower than the state rate. This table looks at all wards in a hospital, except for neonatal intensive care units and special care areas (where different types of central lines are used). A ward is an area in a hospital where several patients are being given similar treatment. Infections are tracked by hospital wards. This helps hospitals determine where infections are occurring, so they can target prevention efforts. The different types of catheters are temporary, permanent and umbilical. Long Term Acute Care Hospitals are also reported separately, since they serve distinctly different patient types than other specialty care units. Tables for these are also included. For a definition of SIR, please see the Appendix.

Please note: N/A represents hospitals that do have patients with central lines, and, consequently, no data can be collected.

Orgid	Hospital Name	# reported	# expected	Difference	Adjusted SIR	Color code and Results
11838	Abington Memorial Hospital	20	26.37	-6.37	0.76	Not significantly different
12500	Albert Einstein Med Ctr – Elkins Park	6	1.93	4.07	3.11	More than expected
10585	Albert Einstein Medical Center	45	23.73	21.27	1.90	More than expected
12508	Albert Einstein Medl Ctr – Moss Rehab	5	3.56	1.44	1.40	Not significantly different
10648	Allegheny General Hospital	22	51.18	-29.18	0.43	Less than expected
11842	Alle-Kiski Medical Center	2	4.39	-2.39	0.46	Not significantly different
11962	Allentown State Hospital	0	0.41	-0.41	0.00	Not significantly different
12591	Allied Services Institute Of Rehabilitation	0	0.78	-0.78	0.00	Not significantly different
10178	Altoona Regional Health System	4	11.21	-7.21	0.36	Less than expected
12350	Angela Jane Pavilion Rehab Hosp	0	0.02	-0.02	0.00	Not significantly different
11388	Aria -Frankford Hospital	58	29.29	28.71	1.98	More than expected
12057	Armstrong County Memorial Hospital	2	4.24	-2.24	0.47	Not significantly different
12037	Barix Clinics Of Pennsylvania	0	0.02	-0.02	0.00	Not significantly different
12404	Barnes-Kasson County Hospital	0	0.07	-0.07	0.00	Not significantly different
12505	Belmont Center For Comprehensive Treatment	N/A	N/A	N/A	N/A	N/A
11442	Berwick Hospital Center	0	0.68	-0.68	0.00	Not significantly different
12008	Bloomsburg Hospital	1	0.56	0.44	1.77	Not significantly different
12361	Bradford Regional Medical Ctr	0	0.63	-0.63	0.00	Not significantly different
11979	Brandywine Hospital	2	3.08	-1.08	0.65	Not significantly different
12623	Brooke Glen Behavioral Hospital	N/A	N/A	N/A	N/A	N/A
12418	Brookville Hospital	0	0.17	-0.17	0.00	Not significantly different
11417	Bryn Mawr Rehab Hospital	2	2.83	-0.83	0.71	Not significantly different
12461	Bucktail Medical Center	0	0.16	-0.16	0.00	Not significantly different
11736	Butler Memorial Hospital	4	6.98	-2.98	0.57	Not significantly different
11586	Canonsburg General Hospital	2	2.77	-0.77	0.72	Not significantly different

Orgid	Hospital Name	# reported	# expected	Difference	Adjusted SIR	Color code and Results
11997	Carlisle Regional Medical Center	5	3.92	1.08	1.27	Not significantly different
11913	Chambersburg Hospital	4	6.39	-2.39	0.63	Not significantly different
11956	Charles Cole Memorial Hospital	1	0.61	0.39	1.64	Not significantly different
12016	Chester County Hospital	3	11.52	-8.52	0.26	Less than expected
12304	Chestnut Hill Hospital	0	5.58	-5.58	0.00	Less than expected
12336	Children's Home Of Pittsburgh	0	0.76	-0.76	0.00	Not significantly different
10306	Children's Hospital Of Philadelphia	66	24.16	41.84	2.73	More than expected
12266	Children's Institute Of Pittsburgh	2	0.63	1.37	3.16	Not significantly different
11640	Children's Hospital Of Pittsburgh	50	27.54	22.46	1.82	More than expected
11654	Clarion Hospital	0	1.91	-1.91	0.00	Not significantly different
12454	Clarion Psychiatric Center	N/A	N/A	N/A	N/A	N/A
12051	Clarks Summit State Hospital	N/A	N/A	N/A	N/A	N/A
11843	Clearfield Hospital	0	1.21	-1.21	0.00	Not significantly different
11914	Community Medical Center	0	4.79	-4.79	0.00	Less than expected
10280	Conemaugh Valley Memorial Hosp	26	21.62	4.38	1.20	Not significantly different
11872	Coordinated Health Orthopedic Hospital	0	0.07	-0.07	0.00	Not significantly different
12283	Corry Memorial	N/A	N/A	N/A	N/A	N/A
12273	Crichton Rehabilitation Center	0	0.25	-0.25	0.00	Not significantly different
11839	Crozer Chester Medical Center	31	15.28	15.72	2.03	More than expected
11932	Crozer Chester Medical Center – Taylor	5	4.92	0.08	1.02	Not significantly different
11851	Crozer Chester Medical Ctr – Springfield	1	0.57	0.43	1.76	Not significantly different
11848	Danville State Hospital	N/A	N/A	N/A	N/A	Not significantly different
11972	Delaware County Memorial Hospital	3	9.91	-6.91	0.30	Less than expected
12738	Devereux Children's Behavioral Health Institute	N/A	N/A	N/A	N/A	N/A
11743	Divine Providence	N/A	N/A	N/A	N/A	N/A
10190	Doylestown Hospital	5	8.31	-3.31	0.60	Not significantly different
11606	DuBois Regional Medical Ctr	5	4.73	0.27	1.06	Not significantly different
12965	Eagleville	N/A	N/A	N/A	N/A	N/A
12348	Eastern Regional Medical Center	N/A	N/A	N/A	N/A	See SCA chart
11929	Easton Hospital	6	8.97	-2.97	0.67	Not significantly different
12552	Edgewood Surgical Hospital	N/A	N/A	N/A	N/A	N/A
11859	Elk Regional Health Center	0	0.76	-0.76	0.00	Not significantly different
11779	Ellwood City Hospital	0	0.54	-0.54	0.00	Not significantly different
11764	Ephrata Community Hosp	2	3.08	-1.08	0.65	Not significantly different
11701	Evangelical Community Hosp	0	1.94	-1.94	0.00	Not significantly different
11639	Excelsa Health - Frick Hospital	0	2.59	-2.59	0.00	Not significantly different
11651	Excelsa Health - Latrobe Hospital	1	5.29	-4.29	0.19	Not significantly different
11637	Excelsa Health - Westmoreland Regional Hospital	5	23.04	-18.04	0.22	Less than expected
12565	Fairmount Behavioral Health System	N/A	N/A	N/A	N/A	N/A
12050	First Hospital of Wyoming Valley	N/A	N/A	N/A	N/A	N/A
12832	Foundations Behavioral Health	N/A	N/A	N/A	N/A	N/A
12488	Friends Hospital	N/A	N/A	N/A	N/A	N/A
11939	Fulton County Medical Center	0	0.11	-0.11	0.00	Not significantly different
11993	Geisinger Healthsouth Rehab Hosp	0	0.38	-0.38	0.00	Not significantly different
11775	Geisinger Medical Center	49	28.54	20.46	1.72	More than expected
11780	Geisinger Wyoming Valley	17	10.34	6.66	1.64	Not significantly different
11531	Gettysburg Hospital	1	1.48	-0.48	0.68	Not significantly different

Orgid	Hospital Name	# reported	# expected	Difference	Adjusted SIR	Color code and Results
12262	Girard Medical Center	N/A	N/A	N/A	N/A	See LTAC chart
12241	Gnaden Huetten Memorial Hospital	1	1.11	-0.11	0.90	Not significantly different
11712	Good Samaritan Hospital	6	4.24	1.76	1.42	Not significantly different
13929	Good Shepherd Penn Partners	N/A	N/A	N/A	N/A	See LTAC chart
11896	Good Shepherd Rehabilitation Hospital	4	1.92	2.08	2.09	Not significantly different
11887	Good Shepherd Specialty Hospital	N/A	N/A	N/A	N/A	See LTAC chart
11847	Grand View Hospital	6	6.81	-0.81	0.88	Not significantly different
11722	Grove City Medical Center	0	0.68	-0.68	0.00	Not significantly different
11437	Hahnemann University Hospital	54	28.64	25.36	1.89	More than expected
11725	Hamot Medical Center	8	25.69	-17.69	0.31	Less than expected
11899	Hanover Hospital	4	2.98	1.02	1.34	Not significantly different
11878	Hazleton General Hospital	5	2.64	2.36	1.89	Not significantly different
11727	HealthSouth Harmarville Rehab	0	2.78	-2.78	0.00	Not significantly different
12254	HealthSouth Hospital Of Pittsburgh	N/A	N/A	N/A	N/A	See LTAC chart
11667	HealthSouth Nittany Valley Rehab Hosp	1	0.78	0.22	1.28	Not significantly different
12388	HealthSouth Regional Specialty Hospital	N/A	N/A	N/A	N/A	See LTAC chart
11903	HealthSouth Rehab Hosp Of Altoona	1	1.09	-0.09	0.92	Not significantly different
11810	HealthSouth Rehab Hosp Of Erie Inc	2	2.14	-0.14	0.94	Not significantly different
12402	HealthSouth Rehab Hosp Of Mechanicsburg	0	1.87	-1.87	0.00	Not significantly different
12139	HealthSouth Rehab Hosp Of Reading	0	1.22	-1.22	0.00	Not significantly different
12066	HealthSouth Rehab Hosp Of Sewickley	1	0.66	0.34	1.52	Not significantly different
12058	HealthSouth Rehab Hosp Of York	0	1.02	-1.02	0.00	Not significantly different
12571	Heart Of Lancaster Regional Med Ctr	1	1.42	-0.42	0.70	Not significantly different
11831	Heritage Valley Beaver	6	14.08	-8.08	0.43	Less than expected
10375	Heritage Valley Sewickley	3	5.75	-2.75	0.52	Not significantly different
11902	Highlands Hospital	0	0.51	-0.51	0.00	Not significantly different
11973	Holy Redeemer Hosp & Med Ctr	8	6.07	1.93	1.32	Not significantly different
12387	Holy Spirit Hospital	10	10.42	-0.42	0.96	Not significantly different
12543	Horsham Clinic	N/A	N/A	N/A	N/A	N/A
10219	Hospital of the University of Pennsylvania	33	79.73	-46.73	0.41	Less than expected
12134	Hospital Of Fox Chase Cancer Ctr	N/A	N/A	N/A	N/A	See SCA chart
11759	Indiana Regional Medical Center	2	3.28	-1.28	0.61	Not significantly different
11724	J C Blair Memorial Hosp	0	1.02	-1.02	0.00	Not significantly different
11954	Jameson Memorial Hospital	1	4.10	-3.10	0.24	Not significantly different
11459	Jeanes Hospital	11	8.27	2.73	1.33	Not significantly different
10237	Jefferson Regional Medical Center	8	10.28	-2.28	0.78	Not significantly different
12337	Jennersville Regional Hospital	2	1.19	0.81	1.68	Not significantly different
11689	Jersey Shore Hospital	0	0.37	-0.37	0.00	Not significantly different
11861	John Heinz Institute Of Rehabilitation	0	0.68	-0.68	0.00	Not significantly different
12111	Kane Community Hospital	0	0.27	-0.27	0.00	Not significantly different
12609	Kensington Hospital	0	1.57	-1.57	0.00	Not significantly different
12430	Kidspeace - Orchard Hills Campus	N/A	N/A	N/A	N/A	N/A
12268	Kindred Hospital At Heritage Valley	N/A	N/A	N/A	N/A	See LTAC chart
12504	Kindred Hospital- Delaware County	N/A	N/A	N/A	N/A	See LTAC chart
11832	Kindred Hospital- Philadelphia	N/A	N/A	N/A	N/A	See LTAC chart
12908	Kindred Hospital Philadelphia-Havertown	N/A	N/A	N/A	N/A	See LTAC chart
12358	Kindred Hospital- Pittsburgh	N/A	N/A	N/A	N/A	See LTAC chart

Orgid	Hospital Name	# reported	# expected	Difference	Adjusted SIR	Color code and Results
12296	Kindred Hospital Pittsburgh- North Shore	N/A	N/A	N/A	N/A	See LTAC chart
12485	Kindred Hospital- Wyoming Valley	N/A	N/A	N/A	N/A	See LTAC chart
12624	Kirkbride Center	N/A	N/A	N/A	N/A	N/A
10183	Lancaster General Hospital	19	18.74	0.26	1.01	Not significantly different
12335	Lancaster Regional Medical Ctr	2	2.93	-0.93	0.68	Not significantly different
12628	Lancaster Rehabilitation Hospital	0	0.77	-0.77	0.00	Not significantly different
12032	Lansdale Hospital	6	2.41	3.59	2.49	Not significantly different
11884	Lehigh Valley Hospital	27	52.75	-25.75	0.51	Less than expected
11898	Lehigh Valley Hospital - Muhlenberg	6	12.98	-6.98	0.46	Not significantly different
11825	Lewistown Hospital	1	1.66	-0.66	0.60	Not significantly different
12005	Lifecare Hospitals Of Chester County	N/A	N/A	N/A	N/A	See LTAC chart
11945	Lifecare Hospitals Of Pittsburgh	N/A	N/A	N/A	N/A	See LTAC chart
12385	Lifecare Hospitals Of Pittsburgh - North Campus	N/A	N/A	N/A	N/A	See LTAC chart
12097	Lock Haven Hospital	0	0.14	-0.14	0.00	Not significantly different
12390	Lower Bucks Hospital	9	2.67	6.33	3.37	More than expected
12146	Magee Rehab Hospital	0	2.60	-2.60	0.00	Not significantly different
10301	Magee Womens Hospital Of UPMC	4	7.78	-3.78	0.51	Not significantly different
11753	Main Line Hospital - Bryn Mawr	21	15.22	5.78	1.38	Not significantly different
11770	Main Line Hospital - Lankenau	19	13.26	5.74	1.43	Not significantly different
11750	Main Line Hospital - Paoli	8	5.86	2.14	1.36	Not significantly different
12338	Marian Community Hospital	0	0.30	-0.30	0.00	Not significantly different
12156	Meadows Psychiatric Center	N/A	N/A	N/A	N/A	N/A
11583	Meadville Medical Center	7	5.04	1.96	1.39	Not significantly different
11633	Memorial Hospital York	5	4.03	0.97	1.24	Not significantly different
12549	Memorial Hospital, Inc. Towanda	0	0.23	-0.23	0.00	Not significantly different
11683	Mercy Fitzgerald Hospital	33	11.27	21.73	2.93	More than expected
12533	Mercy Hospital Scranton	4	7.29	-3.29	0.55	Not significantly different
11946	Mercy Philadelphia Hospital	9	9.69	-0.69	0.93	Not significantly different
12604	Mercy Special Care Hospital	N/A	N/A	N/A	N/A	See LTAC chart
11952	Mercy Suburban Hosp Norristown	15	7.29	7.71	2.06	More than expected
11968	Meyersdale Community Hosp	0	0.07	-0.07	0.00	Not significantly different
11557	Mid-Valley Hospital	0	0.24	-0.24	0.00	Not significantly different
12253	Millcreek Community Hosp	0	1.39	-1.39	0.00	Not significantly different
11747	Milton S Hershey Medical Ctr	64	38.48	25.52	1.66	More than expected
12295	Miners Medical Center	0	0.13	-0.13	0.00	Not significantly different
11069	Monongahela Valley Hosp	5	4.24	0.76	1.18	Not significantly different
12287	Montgomery County MH/MR Emergency Services, Inc.	N/A	N/A	N/A	N/A	N/A
11947	Montgomery Hospital	6	2.85	3.15	2.11	Not significantly different
11817	Montrose General Hospital	0	0.17	-0.17	0.00	Not significantly different
11528	Moses Taylor Hospital	18	6.48	11.52	2.78	More than expected
11797	Mount Nittany Medical Center	5	10.48	-5.48	0.48	Not significantly different
11748	Muncy Valley Hospital	2	0.64	1.36	3.12	Not significantly different
11907	Nason Hospital	0	0.23	-0.23	0.00	Not significantly different
11919	Nazareth Hospital	26	4.92	21.08	5.28	More than expected
12047	Norristown State Hospital	N/A	N/A	N/A	N/A	N/A
12298	Ohio Valley General Hosp	0	3.52	-3.52	0.00	Not significantly different
12396	Palmerton Hospital	0	0.67	-0.67	0.00	Not significantly different

Orgid	Hospital Name	# reported	# expected	Difference	Adjusted SIR	Color code and Results
11814	Penn Presbyterian Medical Center	16	14.93	1.07	1.07	Not significantly different
11915	Penn State Hershey Rehabilitation	0	1.53	-1.53	0.00	Not significantly different
11448	Pennsylvania Hospital of the University of Pennsylvania Health Sysstem	21	17.93	3.07	1.17	Not significantly different
14190	Pennsylvania Psychiatric Institute	N/A	N/A	N/A	N/A	N/A
11740	Philhaven Hospital	N/A	N/A	N/A	N/A	N/A
11836	Phoenixville Hospital Company	6	4.43	1.57	1.35	Not significantly different
10122	Pinnacle Health Hospitals	6	38.76	-32.76	0.15	Less than expected
11772	Pocono Medical Center	4	6.03	-2.03	0.66	Not significantly different
11983	Pottstown Memorial Medical Center	2	5.12	-3.12	0.39	Not significantly different
11830	Punxsutawney Area Hosp	0	0.56	-0.56	0.00	Not significantly different
12375	Reading Hospital And Medical Center	24	33.53	-9.53	0.72	Not significantly different
11731	Riddle Memorial Hosp	13	7.63	5.37	1.70	Not significantly different
12422	Robert Packer Hospital	2	9.91	-7.91	0.20	Less than expected
11978	Roxborough Memorial Hosp	6	3.59	2.41	1.67	Not significantly different
12723	Roxbury Treatment Center	N/A	N/A	N/A	N/A	N/A
11684	Sacred Heart Hospital	5	1.99	3.01	2.52	Not significantly different
11699	Saint Vincent Health Center	10	17.94	-7.94	0.56	Not significantly different
12087	Schuylkill Med Ctr - South Jackson Street	2	2.44	-0.44	0.82	Not significantly different
11922	Schuylkill Medical Center - East Norwegian Street	4	2.73	1.27	1.47	Not significantly different
13921	Select Medical At Polyclinc Medical Ctr	N/A	N/A	N/A	N/A	See LTAC chart
11880	Select Specialty Hospital - Erie	N/A	N/A	N/A	N/A	See LTAC chart
12147	Select Specialty Hospital - Central Pennsylvania (Camp Hill)	N/A	N/A	N/A	N/A	See LTAC chart
12334	Select Specialty Hospital - Central Pennsylvania (York)	N/A	N/A	N/A	N/A	See LTAC chart
12123	Select Specialty Hospital - Danville	N/A	N/A	N/A	N/A	See LTAC chart
12299	Select Specialty Hospital - Johnstown	N/A	N/A	N/A	N/A	See LTAC chart
12271	Select Specialty Hospital - Mckeesport, Inc.	N/A	N/A	N/A	N/A	See LTAC chart
12009	Select Specialty Hospital - Pittsburgh/Upmc	N/A	N/A	N/A	N/A	See LTAC chart
12108	Select Specialty Hospital Laurel Highlands	N/A	N/A	N/A	N/A	See LTAC chart
12133	Shamokin Area Community Hosp	0	0.58	-0.58	0.00	Not significantly different
12250	Sharon Regional Health System	4	3.83	0.17	1.05	Not significantly different
12411	Shriners Hospitals For Children - Erie	0	0.02	-0.02	0.00	Not significantly different
12244	Shriners Hospitals For Children - Phila	0	0.89	-0.89	0.00	Not significantly different
11688	Soldiers & Sailors Mem Hosp	1	0.64	0.36	1.55	Not significantly different
12282	Somerset Hospital	4	2.18	1.82	1.84	Not significantly different
11942	Southwest Regional Medical Center	1	1.30	-0.30	0.77	Not significantly different
12453	Southwood Psychiatric Hospital	N/A	N/A	N/A	N/A	N/A
11940	St Agnes Long Term Care Hospital	N/A	N/A	N/A	N/A	See LTAC chart
12365	St Catherine Medical Center Fountain Springs	4	0.22	3.78	17.79	More than expected
12290	St Christopher's Hosp For Children	5	5.29	-0.29	0.95	Not significantly different
10561	St Clair Memorial Hosp	2	12.25	-10.25	0.16	Less than expected
12548	St John Vianney Hospital	N/A	N/A	N/A	N/A	N/A
11961	St Joseph Medical Ctr	3	10.61	-7.61	0.28	Less than expected
12438	St Joseph's Hospital	28	6.73	21.27	4.16	More than expected
11718	St Luke's Hospital Bethlehem	33	43.33	-10.33	0.76	Not significantly different

Orgid	Hospital Name	# reported	# expected	Difference	Adjusted SIR	Color code and Results
11784	St Luke's Miners Memorial Hospital	0	0.23	-0.23	0.00	Not significantly different
11711	St Luke's Quakertown Hospital	1	0.94	0.06	1.07	Not significantly different
11885	St Mary Medical Ctr	19	12.57	6.43	1.51	Not significantly different
12483	St Mary Medical Ctr – Rehab	N/A	N/A	N/A	N/A	N/A
12105	Sunbury Community Hosp	0	0.45	-0.45	0.00	Not significantly different
12535	Surgical Institute Of Reading	N/A	N/A	N/A	N/A	N/A
12382	Temple University Hospital	92	31.32	60.68	2.94	More than expected
11506	Thomas Jefferson Univ Hosp	37	43.77	-6.77	0.85	Not significantly different
12017	Thomas Jefferson Univ Hosp – Methodist	25	11.04	13.96	2.26	More than expected
11738	Titusville Area Hospital	0	0.28	-0.28	0.00	Not significantly different
12091	Torrance State Hospital	N/A	N/A	N/A	N/A	N/A
12007	Triumph Hospital Easton	N/A	N/A	N/A	N/A	See LTAC chart
12018	Troy Community Hospital	5	1.62	3.38	3.10	Not significantly different
11829	Tyler Memorial Hospital	0	0.16	-0.16	0.00	Not significantly different
12717	Tyrone Hospital	0	0.16	-0.16	0.00	Not significantly different
10441	Uniontown Hospital	0	3.89	-3.89	0.00	Less than expected
11680	UPMC Bedford	0	0.55	-0.55	0.00	Not significantly different
10576	UPMC Braddock	1	2.38	-1.38	0.42	Not significantly different
11675	UPMC Horizon	4	6.24	-2.24	0.64	Not significantly different
11707	UPMC Mckeesport	1	8.06	-7.06	0.12	Less than expected
10384	UPMC Mercy	51	25.42	25.58	2.01	More than expected
11837	UPMC Northwest - Seneca	2	3.27	-1.27	0.61	Not significantly different
11242	UPMC Passavant	15	15.16	-0.16	0.99	Not significantly different
10118	UPMC Presbyterian Shadyside	26	36.76	-10.76	0.71	Not significantly different
10348	UPMC Presbyterian Shadyside	72	93.30	-21.30	0.77	Less than expected
11561	UPMC St Margaret	5	14.20	-9.20	0.35	Less than expected
12029	Valley Forge Med Ctr & Hosp	0	0.56	-0.56	0.00	Not significantly different
12216	Warren General Hospital	0	0.51	-0.51	0.00	Not significantly different
12081	Warren State Hospital	N/A	N/A	N/A	N/A	N/A
11460	Washington Hospital	0	8.82	-8.82	0.00	Less than expected
12004	Wayne Memorial Hospital	1	1.55	-0.55	0.65	Not significantly different
11642	Waynesboro Hospital	0	1.24	-1.24	0.00	Not significantly different
12368	Wernersville State Hospital	N/A	N/A	N/A	N/A	N/A
11864	Western Pennsylvania Hospital	9	19.56	-10.56	0.46	Less than expected
11265	Western Pennsylvania Hospital Forbes Regional Campus	9	9.99	-0.99	0.90	Not significantly different
12487	Westfield Hospital	0	0.07	-0.07	0.00	Not significantly different
11732	Williamsport Hospital & Medical Center	8	8.64	-0.64	0.93	Not significantly different
12031	Windber Hospital	0	0.19	-0.19	0.00	Not significantly different
11916	WVHCS Hospital – Wilkes Barre	6	7.55	-1.55	0.79	Not significantly different
10108	York Hospital	11	29.02	-18.02	0.38	Less than expected

**Table J**

**2009 CLABSIs Information in Neonatal Intensive Care Units (NICUs)  
Relative to the State Rate**

orgID	Hospital Name	# reported	# expected	Difference	Adjusted SIR	Color code and Results
11838	Abington Memorial Hospital	2	2.70312	-0.70	0.74	Not significantly different
10585	Albert Einstein Medical Center	7	4.588843	2.41	1.53	Not significantly different
10648	Allegheny General Hospital	1	2.28856	-1.29	0.44	Not significantly different
12016	Chester County Hospital	2	1.46506	0.53	1.37	Not significantly different
10306	Children's Hospital Of Philadelphia	34	28.23916	5.76	1.20	Not significantly different
11640	Children's Hospital Of Pittsburgh Of Upmc	9	15.84601	-6.85	0.57	Not significantly different
11914	Community Medical Center	0	0.243301	-0.24	0.00	Not significantly different
10280	Conemaugh Valley Memorial Hosp	0	0.750577	-0.75	0.00	Not significantly different
11839	Crozer Chester Medical Center	2	2.568238	-0.57	0.78	Not significantly different
11972	Delaware County Memorial Hospital	0	0.291396	-0.29	0.00	Not significantly different
11606	DuBois Regional Medical Ctr	0	0.587688	-0.59	0.00	Not significantly different
11764	Ephrata Community Hosp	0	0.093714	-0.09	0.00	Not significantly different
11775	Geisinger Medical Center	15	7.65867	7.34	1.96	More than expected
11437	Hahnemann University Hospital	2	1.080573	0.92	1.85	Not significantly different
11725	Hamot Medical Center	2	0.873364	1.13	2.29	Not significantly different
11973	Holy Redeemer Hosp & Med Ctr	2	0.93017	1.07	2.15	Not significantly different
12387	Holy Spirit Hospital	0	0.055579	-0.06	0.00	Not significantly different
10219	Hospital of the University of Pennsylvania	10	4.717797	5.28	2.12	More than expected
10183	Lancaster General Hospital	4	1.52369	2.48	2.63	Not significantly different
11884	Lehigh Valley Hospital	2	3.740812	-1.74	0.53	Not significantly different
12390	Lower Bucks Hospital	0	0.14291	-0.14	0.00	Not significantly different
10301	Magee Womens Hospital Of UPMC Health System	8	8.443967	-0.44	0.95	Not significantly different
11750	Main Line Hospital - Paoli	0	0.095717	-0.10	0.00	Not significantly different
11753	Main Line Hospital - Bryn Mawr	2	1.071635	0.93	1.87	Not significantly different
11770	Main Line Hospital - Lankenau	3	3.378181	-0.38	0.89	Not significantly different
11747	Milton S Hershey Medical Center	3	7.818677	-4.82	0.38	Not significantly different
11528	Moses Taylor Hospital	0	0.834851	-0.83	0.00	Not significantly different
11448	Pennsylvania Hosp Of The Univ Of Pa Health Sys	0	4.653529	-4.65	0.00	Less than expected
10122	Pinnacle Health Hospitals	2	4.959738	-2.96	0.40	Not significantly different
12375	Reading Hospital And Medical Center	2	3.224129	-1.22	0.62	Not significantly different
11699	Saint Vincent Health Center	2	2.174677	-0.17	0.92	Not significantly different
11961	St Joseph Medical Ctr	0	0.198328	-0.20	0.00	Not significantly different
11718	St Luke's Hospital Bethlehem	4	3.147921	0.85	1.27	Not significantly different
12290	St. Christophers Hospital For Children	8	6.640184	1.36	1.20	Not significantly different
11885	St. Mary Medical Ctr	0	0.059024	-0.06	0.00	Not significantly different
12382	Temple University Hospital	4	5.274833	-1.27	0.76	Not significantly different
11506	Thomas Jefferson Univ Hosp	13	10.81382	2.19	1.20	Not significantly different
10384	UPMC Mercy	0	0.213711	-0.21	0.00	Not significantly different
11864	Western Pennsylvania Hospital, The	8	9.317948	-1.32	0.86	Not significantly different
11732	Williamsport Hospital & Medical Center, The	0	0.012732	-0.01	0.00	Not significantly different
10108	York Hospital	4	4.277163	-0.28	0.94	Not significantly different

**Table K**

**2009 CLABSI Information Relative to the State Rate in Specialty Care Areas (SCAs)**

orgID	Hospital Name	# reported	# expected	Difference	Adjusted SIR	Color code and Results
11838	Abington Memorial Hospital	13	5.67	7.33	2.29	More than expected
10306	Childrens Hospital Of Philadelphia	30	17.80	12.20	1.69	More than expected
11640	Children's Hospital Of Pittsburgh	9	8.59	0.41	1.05	Not significantly different
11972	Delaware County Memorial Hospital	1	3.32	-2.32	0.30	Not significantly different
12348	Eastern Regional Medical Center	50	50.42	-0.42	0.99	Not significantly different
11929	Easton Hospital	2	3.06	-1.06	0.65	Not significantly different
11651	Excelsa Health Latrobe Hospital	0	1.35	-1.35	0.00	Not significantly different
11437	Hahnemann University Hospital	6	10.17	-4.17	0.59	Not significantly different
12134	Hosp Of Fox Chase Cancer Ctr	6	12.61	-6.61	0.48	Not significantly different
10237	Jefferson Regional Medical Center	2	1.88	0.12	1.07	Not significantly different
11747	Milton S Hershey Medical Ctr	50	28.93	21.07	1.73	More than expected
12422	Robert Packer Hospital	3	2.86	0.14	1.05	Not significantly different
12290	St Christophers Hosp For Children	2	4.88	-2.88	0.41	Not significantly different
12382	Temple University Hospital	9	6.23	2.77	1.44	Not significantly different
11506	Thomas Jefferson Univ Hosp	2	4.27	-2.27	0.47	Not significantly different
11837	UPMC Northwest - Seneca	2	3.91	-1.91	0.51	Not significantly different
10118	UPMC Presbyterian Shadyside	16	34.27	-18.27	0.47	Not significantly different
10348	UPMC Presbyterian Shadyside	2	1.98	0.02	1.01	Less than expected
11265	Western Pennsylvania Hospital Forbes Regional Campus, The	0	2.31	-2.31	0.00	Not significantly different
11864	Western Pennsylvania Hospital, The	0	1.41	-1.41	0.00	Not significantly different
11916	WVHCS Hospital	6	5.09	0.91	1.18	Not significantly different

**Table L**

**2009 CLABSI Information Relative to the State Rate in Long Term Acute Care Hospitals (LTACs)**

Orgid	Hospital Name	# reported	# expected	Difference	Adjusted SIR	Color Code and Results
12262	Girard Medical Center	21	12.05	8.95	1.74	More than expected
13929	Good Shepherd Penn Partners	9	4.24	4.76	2.12	Not significantly different
11887	Good Shepherd Specialty Hospital	7	9.86	-2.86	0.71	Not significantly different
12254	Healthsouth Hospital Of Pittsburgh	16	14.60	1.40	1.10	Not significantly different
12388	Healthsouth Regional Specialty Hospital	21	11.96	9.04	1.76	More than expected
12268	Kindred Hospital At Heritage Valley	11	9.64	1.36	1.14	Not significantly different
12504	Kindred Hospital- Delaware County	4	6.40	-2.40	0.63	Not significantly different
11832	Kindred Hospital- Philadelphia	12	12.91	-0.91	0.93	Not significantly different
12908	Kindred Hospital Philadelphia-Havertown	4	7.88	-3.88	0.51	Not significantly different
12358	Kindred Hospital- Pittsburgh	10	11.79	-1.79	0.85	Not significantly different
12296	Kindred Hospital Pittsburgh- North Shore	5	8.35	-3.35	0.60	Not significantly different
12485	Kindred Hospital- Wyoming Valley	4	10.94	-6.94	0.37	Less than expected
12005	Lifecare Hospitals Of Chester County	12	7.94	4.06	1.51	Not significantly different
11945	Lifecare Hospitals Of Pittsburgh	7	20.47	-13.47	0.34	Less than expected
12385	Lifecare Hospitals Of Pittsburgh - North Campus	7	6.90	0.10	1.01	Not significantly different
12604	Mercy Special Care Hospital	5	9.31	-4.31	0.54	Not significantly different
13921	Select Medical At Polyclinc Medical Center	5	6.30	-1.30	0.79	Not significantly different
11880	Select Specialty Hospital - Erie	12	8.08	3.92	1.48	Not significantly different
12147	Select Specialty Hospital - Central Pennsylvania (Camp Hill	3	7.52	-4.52	0.40	Not significantly different
12334	Select Specialty Hospital - Central Pennsylvania (York)	4	5.45	-1.45	0.73	Not significantly different
12123	Select Specialty Hospital - Danville	1	4.23	-3.23	0.24	Not significantly different
12299	Select Specialty Hospital - Johnstown	5	6.83	-1.83	0.73	Not significantly different
12271	Select Specialty Hospital - Mckeesport, Inc.	1	5.96	-4.96	0.17	Less than expected
12009	Select Specialty Hospital - Pittsburgh/UPMC	17	7.35	9.65	2.31	More than expected
12108	Select Specialty Hospital Laurel Highlands	7	7.75	-0.75	0.90	Not significantly different
11940	St Agnes Long Term Care Hospital	18	7.19	10.81	2.50	More than expected
12007	Triumph Hospital Easton	11	7.11	3.89	1.55	Not significantly different



## Appendix

### **Definitions**

The 2009 Healthcare Associated Infection report references numerous medical terms with which some individuals may not be familiar. Below is a list of those terms and their definitions.

**Healthcare Associated infection:** An infection that develops in patients exposed to hospitals or to medical and surgical procedures that occur in a healthcare environment. An infection is considered healthcare associated if it develops in a patient who has been hospitalized for 48 to 72 hours and who did not have the infection (incubating the infection) at the time of admission, unless the infection was acquired during a previous admission or outpatient medical/surgical procedure.

**National Healthcare Safety Network (NHSN):** A computer surveillance system maintained and operated by the federal Centers for Disease Control and Prevention (CDC). Pennsylvania's hospitals are required to submit facility-wide data on the occurrence of all reportable HAIs directly to this system. The Pennsylvania Department of Health then takes the data from this system and analyzes it.

**Catheter:** A tube that can be inserted into a body cavity, duct or vessel. Catheters allow drainage, injection of fluids or access by surgical instruments.

**Indwelling catheter:** A catheter left inside the body, either temporarily or permanently.

**Urinary Tract Infection (UTI):** An infection affecting the urinary tract system, which includes kidneys, ureters, bladder and urethra.

**Catheter Associated Urinary Tract Infection (CAUTI):** A urinary tract infection in which a patient has an indwelling urinary catheter at the time of the infection, or within 48 hours before onset of infection.

**Surgical Site Infection (SSI):** An infection at the site of an individual's operation (usually at the incision) that is caused by the operation. To be considered a surgical site infection, the infection must occur in the 30 days after surgery unless associated with an implant, where it can occur up to 1 year after the surgery.

**Central Line:** A central line is a catheter inserted into a vein or artery that ends at, or close to, the heart or in one of the great blood vessels (the large vessels entering the heart). A central line is used for infusing fluids, medications or nutrients into a patient's circulatory system, withdrawing blood or cardiac monitoring (allows for continual monitoring of the function of the heart).

**Central Line Associated Blood Stream Infection CLABSI):** Infections of the bloodstream associated with the presence of a central line.

**Device Utilization Ratio (DUR):** The number of days a device (i.e., catheter) was in use divided by the total number of patient days for that hospital.

**Patient Days:** A patient day equals one patient hospitalized for one day. Thus, one patient admitted for seven days is seven patient days, and one patient admitted for three days is three patient days. Together, this equals two patients for 10 patient days.

**Urinary Catheter Days:** A catheter day is counted for each day a patient has an indwelling urinary catheter. One patient may be admitted for seven days, but only have a urinary catheter for five of those days. This would equal seven patient days and five catheter days.

**Methicillin resistant staphylococcus aureus (MRSA):** A common bacterial infection resistant to members of the penicillin family of antibiotics. Most MRSA strains found in the healthcare setting are also resistant to a number of other antibiotics. Some HAIs are attributed to MRSA.

**Standardized Infection Ratio:** A ratio of the number of reported infections divided by the number of predicted (expected) infections. This ratio allows for comparing hospitals; the values are adjusted for factors (e.g. hospital size, the services provided, or the types of patients treated) that may influence the measured rates of HAIs.

**Ward Types:** A ward is an area in a hospital in which several patients are being given similar treatment. Infections are tracked by hospital wards. This helps hospitals determine where infections are occurring, so they can target prevention efforts. HAI infection rates are also calculated by ward types, because the risk of infection is higher or lower depending on the type of patient and the care he or she is receiving. For example, the risk of infection is higher in a patient receiving a bone marrow transplant, because his or her immune system is probably weaker than it is for a patient admitted for cardiac care.

**What the Colors Represent in the Charts:**

- **Green:** Those hospitals with an infection rate lower than that of the state rate. The results are statistically significant.
- **Yellow:** Those hospitals with an infection rate not significantly different than that of the state rate. The results are not statistically significant.
- **Red:** Those hospitals with an infection rate higher than that of the state rate. The results are statistically significant.