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Health Care Associated Infections

Hospitals in Illinois are participating in programs to reduce the number of infections acquired during hospital stays. While it is difficult to reduce infections to zero, following specific protocols can greatly reduce the risk. The Hospital Report Card Act (Illinois Public Act 93-563) requires Illinois hospitals to report central line associated bloodstream infections (CLABSIs) occurring in critical care units, also known as intensive care units (ICUs). Comparison summary data for CLABSIs, expressed as a Standardized Infection Ratio (SIR), are presented by hospital for each ICU types (ex. Medical, Surgical and Medical/Surgical). Interpretation of these summary measures is provided.

This data represents reporting of **CLABSI** in Pediatric and Neonatal ICU from January 1, 2015 to December 31, 2015.

Central Line Associated Bloodstream Infection (CLABSI) Standardized Infection Ratio (SIR^a)
Reportable Period: January 1, 2015 - December 31, 2015
STATEWIDE

Location: Pediatric Cardiothoracic Intensive Care Unit

Hospital Name	Hospital City	Observed [O] Number of CLABSIs	Number of Central Line Days ^b	Statistically Expected [E] Number of CLABSIs ^c	Unit-Specific SIR ^d = O/E	95% Confidence Interval		Statistical Interpretation ^f
						Lower Bound ^e	Upper Bound	
Advocate Christ Medical Center	Oak Lawn	4	1958	6.46	0.62	0.20	1.49	Similar
Ann & Robert H Lurie Children's Hospital of Chicago	Chicago	6	5824	19.22	0.31	0.13	0.65	Lower
University of Chicago Medicine	Chicago	0	287	0.95	.	.	.	Not Available

Central Line Associated Bloodstream Infection (CLABSI) Standardized Infection Ratio (SIR^a)
Reportable Period: January 1, 2015 - December 31, 2015
STATEWIDE

Location: Pediatric Medical Intensive Care Unit

						95% Confidence Interval		
Hospital Name	Hospital City	Observed [O] Number of CLABSIs	Number of Central Line Days ^b	Statistically Expected [E] Number of CLABSIs ^c	Unit-Specific SIR ^d = O/E	Lower Bound ^e	Upper Bound	Statistical Interpretation ^f
Advocate Christ Medical Center	Oak Lawn	2	2268	2.95	0.68	0.11	2.24	Similar
Presence Saint Joseph Medical Center *	Joliet	.	.	.	.	.	.	Not Available

* Hospital with 50 or fewer central line days

Central Line Associated Bloodstream Infection (CLABSI) Standardized Infection Ratio (SIR^a)
Reportable Period: January 1, 2015 - December 31, 2015
STATEWIDE

Location: Pediatric Medical/Surgical Intensive Care Unit

Hospital Name	Hospital City	Observed [O] Number of CLABSIs	Number of Central Line Days ^b	Statistically Expected [E] Number of CLABSIs ^c	Unit-Specific SIR ^d = O/E	95% Confidence Interval		Statistical Interpretation ^f
						Lower Bound ^e	Upper Bound	
AMITA Health Hinsdale *	Hinsdale	.	.	.	.	.	.	Not Available
AMITA Health Hoffman Estates	Hoffman Estates	0	221	0.66	.	.	.	Not Available
Advocate Lutheran General Hospital	Park Ridge	1	890	2.67	0.38	0.02	1.85	Similar
Ann & Robert H Lurie Children's Hospital of Chicago	Chicago	1	1411	4.23	0.24	0.01	1.17	Similar
Ann & Robert H Lurie Children's Hospital of Chicago	Chicago	3	4049	12.15	0.25	0.06	0.67	Lower
HSHS St John's Hospital	Springfield	2	435	1.31	1.53	0.26	5.06	Similar
John H Stroger Jr Hospital of Cook County	Chicago	0	246	0.74	.	.	.	Not Available
Loyola University Medical Center	Maywood	1	867	2.60	0.38	0.02	1.90	Similar
Mount Sinai Hospital	Chicago	0	129	0.39	.	.	.	Not Available
Northwestern Medicine Central DuPage Hospital	Winfield	0	265	0.80	.	.	.	Not Available
OSF Saint Francis Medical Center	Peoria	4	3151	9.45	0.42	0.13	1.02	Similar
Rockford Memorial Hospital	Rockford	1	549	1.65	0.61	0.03	2.99	Similar
Rush University Medical Center	Chicago	0	1694	5.08	0.00	.	0.59	Lower
University of Chicago Medicine	Chicago	5	3029	9.09	0.55	0.20	1.22	Similar
University of Illinois Hospital & Health Sciences System	Chicago	4	881	2.64	1.51	0.48	3.65	Similar

* Hospital with 50 or fewer central line days

Central Line Associated Bloodstream Infection (CLABSI) Standardized Infection Ratio (SIR^a)
Reportable Period: January 1, 2015 - December 31, 2015
STATEWIDE

Location: Neonatal Intensive Care Unit - Level III

						95% Confidence Interval		
Hospital Name	Hospital City	Observed [O] Number of CLABSIs	Number of Central Line Days ^b	Statistically Expected [E] Number of CLABSIs ^c	Unit-Specific SIR ^d = O/E	Lower Bound ^e	Upper Bound	Statistical Interpretation ^f
AMITA Health Hinsdale	Hinsdale	2	1160	2.77	0.72	0.12	2.39	Similar
Advocate Christ Medical Center	Oak Lawn	8	4759	10.75	0.74	0.35	1.41	Similar
Advocate Lutheran General Hospital	Park Ridge	8	3080	7.28	1.10	0.51	2.09	Similar
Ann & Robert H Lurie Children's Hospital of Chicago	Chicago	3	5533	11.46	0.26	0.07	0.71	Lower
HSHS St John's Hospital	Springfield	1	669	1.62	0.62	0.03	3.05	Similar
John H Stroger Jr Hospital of Cook County	Chicago	5	2832	6.98	0.72	0.26	1.59	Similar
Loyola University Medical Center	Maywood	6	2469	6.42	0.94	0.38	1.95	Similar
Northshore Univ HS Evanston Hospital	Evanston	6	2100	5.23	1.15	0.47	2.39	Similar
Northwestern Medicine Central DuPage Hospital	Winfield	0	830	1.83	0.00	.	1.64	Similar
Northwestern Memorial Hospital	Chicago	5	2164	5.04	0.99	0.36	2.20	Similar
OSF Saint Francis Medical Center	Peoria	3	4075	9.12	0.33	0.08	0.90	Lower
Rockford Memorial Hospital	Rockford	2	3493	8.04	0.25	0.04	0.82	Lower
Rush University Medical Center	Chicago	3	2974	7.17	0.42	0.11	1.14	Similar
University of Chicago Medicine	Chicago	4	6729	16.54	0.24	0.08	0.58	Lower
University of Illinois Hospital & Health Sciences System	Chicago	2	3019	8.14	0.25	0.04	0.81	Lower

Central Line Associated Bloodstream Infection (CLABSI) Standardized Infection Ratio (SIR^a)
Reportable Period: January 1, 2015 - December 31, 2015
STATEWIDE

Location: Neonatal Intensive Care Unit - Level III

						95% Confidence Interval		
Hospital Name	Hospital City	Observed [O] Number of CLABSIs	Number of Central Line Days ^b	Statistically Expected [E] Number of CLABSIs ^c	Unit-Specific SIR ^d = O/E	Lower Bound ^e	Upper Bound	Statistical Interpretation ^f
AMITA Health Hoffman Estates	Hoffman Estates	0	1527	2.83	0.00	.	1.06	Similar
Advocate Good Samaritan Hospital	Downers Grove	1	512	1.36	0.74	0.04	3.62	Similar
Advocate Good Shepherd Hospital *	Barrington	.	.	.	.	.	.	Not Available
Advocate Illinois Masonic Medical Center	Chicago	3	1168	2.72	1.10	0.28	3.01	Similar
Advocate Sherman Hospital	Elgin	0	239	0.35	.	.	.	Not Available
Carle Foundation Hospital	Urbana	4	973	2.68	1.49	0.47	3.60	Similar
Edward Hospital	Naperville	3	1419	3.95	0.76	0.19	2.07	Similar
Franciscan St. James Health *	Chicago Heights	.	.	.	.	.	.	Not Available
Ingalls Memorial Hospital	Harvey	0	127	0.15	.	.	.	Not Available
Little Company of Mary Hospital *	Evergreen Park	.	.	.	.	.	.	Not Available
Memorial Hospital of Carbondale	Carbondale	0	91	0.11	.	.	.	Not Available
MetroSouth Medical Center *	Blue Island	.	.	.	.	.	.	Not Available
Mount Sinai Hospital	Chicago	1	1986	4.99	0.20	0.01	0.99	Lower
Northwest Community Healthcare Hospital	Arlington Heights	0	437	0.92	.	.	.	Not Available
Northwestern Medicine Lake Forest Hospital *	Lake Forest	.	.	.	.	.	.	Not Available
Presence Covenant Medical Center *	Urbana	.	.	.	.	.	.	Not Available
Presence Mercy Medical Center *	Aurora	.	.	.	.	.	.	Not Available
Presence Resurrection Medical Center	Chicago	0	51	0.07	.	.	.	Not Available
Presence Saint Francis Hospital	Evanston	1	52	0.08	.	.	.	Not Available
Presence Saint Joseph Hospital	Chicago	0	352	0.94	.	.	.	Not Available

Central Line Associated Bloodstream Infection (CLABSI) Standardized Infection Ratio (SIR^a)
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Location: Neonatal Intensive Care Unit - Level III

Hospital Name	Hospital City	Observed [O] Number of CLABSIs	Number of Central Line Days ^b	Statistically Expected [E] Number of CLABSIs ^c	Unit-Specific SIR ^d = O/E	95% Confidence Interval		Statistical Interpretation ^f
						Lower Bound ^e	Upper Bound	
Presence Saint Joseph Medical Center *	Joliet	.	.	.	.	.	.	Not Available
Presence Saints Mary and Elizabeth Medical Center *	Chicago	.	.	.	.	.	.	Not Available
Rush-Copley Medical Center	Aurora	0	416	1.03	0.00	.	2.90	Similar
Swedish American Hospital *	Rockford	.	.	.	.	.	.	Not Available
UnityPoint Health - Trinity - Moline	Moline	0	89	0.12	.	.	.	Not Available
University of Chicago Medicine	Chicago	0	110	0.16	.	.	.	Not Available

* Hospital with 50 or fewer central line days

NHSN Data contained in this report were last generated on June 20, 2016

^a The Standardized Infection Ratio (SIR) is a summary measure used to compare central line associated bloodstream infection (CLABSI) experience among a group of reported locations to that of a standard population. It is the observed number of infections divided by the predicted number of infections.

^b Too few central line days. Reporting on too few procedures is a risk to patient confidentiality. If there are fifty (50) or fewer central line days, the report for the number of infections will be deferred until there are more central line days.

^c Please note that the 'expected' number of infections does not mean that you expect to get an infection when you are hospitalized.

^d If the predicted number of infections is less than 1.0, the SIR is not calculated because it does not meet the minimum requirement for precision.

If the number of observed infections is 0 and the number predicted is greater than or equal to 1.00, a 95% confidence interval is reported

^e The lower bound of the confidence interval is calculated only if the infection count greater than 0.

^f Statistical Interpretation of SIR:

- If the 95% confidence interval includes 1.00, the hospital's infection rate is 'Similar' (not significantly different) from predicted.
- If the SIR is greater than 1.00 and the 95% confidence interval does not include 1.00, the hospital's infection rate is significantly 'Higher' than predicted.
- If the SIR is less than 1.00 and the 95% confidence interval does not include 1.00, the hospital's infection rate is significantly 'Lower' than predicted.

NOTE: All conclusions are based on the assumption that the hospital's patient population is similar to the NHSN pooled patient population