



Pat Quinn, Governor
Damon T. Arnold, M.D., M.P.H., Director

122 S. Michigan Ave., Suite 7000 • Chicago, IL 60603-6119 • www.idph.state.il.us

Illinois Statewide Central Line-associated Blood Stream Infection Report (CLABSI)

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 of three ICU types (Medical, Surgical and Medical/Surgical). Interpretation of these summary measures is provided.

Central Line Associated Bloodstream Infection (CLABSI) Standardized Infection Ratio (SIR)

Reportable Period: January 1, 2009 - December 31, 2009

Location: Adult Medical Intensive Care Unit

STATEWIDE

Hospital	City	Observed (O) Number of CLABSIs	Number of Central Line Days ^b	Statistically "Expected" (E) Number of CLABSIs ^c	Unit-specific SIR=O/E	95% Confidence Interval (CI) ^d		Statistical Interpretation
						Lower Bound	Upper Bound	
ADVOCATE CHRIST HOSPITAL & MEDICAL CENTER	OAK LAWN	2	4182	10.87	0.18	0.02	0.66	Lower
DELNOR HOSPITAL	GENEVA	0	964	1.83	0.00	0.00	0.38	Lower
NORTHWESTERN MEMORIAL HOSPITAL	CHICAGO	6	5633	14.65	0.41	0.15	0.89	Lower
TRINITY REGIONAL HEALTH SYSTEM	ROCK ISLAND	0	999	1.90	0.00	0.00	0.37	Lower
ADVOCATE ILLINOIS MASONIC MEDICAL CENTER	CHICAGO	3	1860	4.84	0.62	0.12	1.81	Similar
ADVOCATE TRINITY HOSPITAL	CHICAGO	1	1889	3.59	0.28	0.00	1.55	Similar
CROSSROADS COMMUNITY HOSPITAL	MOUNT VERNON	0	146	0.28	0.00	0.00	2.53	Similar
LORETTO HOSPITAL	CHICAGO	5	1125	2.14	2.34	0.75	5.46	Similar
LOYOLA UNIVERSITY MEDICAL CENTER	MAYWOOD	6	4023	10.46	0.57	0.21	1.25	Similar
MEMORIAL HOSPITAL	CHESTER	0	71	0.13	0.00	0.00	5.21	Similar
METROSOUTH MEDICAL CENTER	BLUE ISLAND	1	1222	2.32	0.43	0.01	2.40	Similar
MOUNT SINAI HOSPITAL	CHICAGO	6	2046	3.89	1.54	0.56	3.36	Similar
OAK FOREST HOSPITAL OF COOK COUNTY	OAK FOREST	2	297	0.56	3.54	0.40	12.80	Similar
OSF SAINT FRANCIS MEDICAL CENTER	PEORIA	2	1520	3.95	0.51	0.06	1.83	Similar
RESURRECTION MEDICAL CENTER	CHICAGO	1	2361	4.49	0.22	0.00	1.24	Similar

Hospital	City	Observed (O) Number of CLABSIs	Number of Central Line Days ^b	Statistically "Expected" (E) Number of CLABSIs ^c	Unit-specific SIR=O/E	95% Confidence Interval (CI) ^d		Statistical Interpretation
						Lower Bound	Upper Bound	
RUSH UNIVERSITY MEDICAL CENTER	CHICAGO	8	3650	6.94	1.15	0.50	2.27	Similar
SAINT ANTHONY HOSPITAL	CHICAGO	4	974	1.85	2.16	0.58	5.53	Similar
SOUTH SHORE HOSPITAL	CHICAGO	2	1018	1.93	1.03	0.12	3.73	Similar
UNIVERSITY OF CHICAGO MEDICAL CENTER	CHICAGO	12	2910	7.57	1.59	0.82	2.77	Similar
NORTHSHORE UNIV HS SKOKIE HOSPITAL	SKOKIE	5	754	1.43	3.49	1.12	8.14	Higher

Central Line Associated Bloodstream Infection (CLABSI) Standardized Infection Ratio (SIR)

Reportable Period: January 1, 2009 - December 31, 2009

Location: Adult Surgical Intensive Care Unit

STATEWIDE

Hospital	City	Observed (O) Number of CLABSIs	Number of Central Line Days ^b	Statistically "Expected" (E) Number of CLABSIs ^c	Unit-specific SIR=O/E	95% Confidence Interval (CI) ^d		Statistical Interpretation
						Lower Bound	Upper Bound	
LOYOLA UNIVERSITY MEDICAL CENTER	MAYWOOD	2	3281	7.55	0.27	0.03	0.96	Lower
NORTHWESTERN MEMORIAL HOSPITAL	CHICAGO	1	2474	5.69	0.18	0.00	0.98	Lower
RESURRECTION MEDICAL CENTER	CHICAGO	0	2327	5.35	0.00	0.00	0.13	Lower
TRINITY REGIONAL HEALTH SYSTEM	ROCK ISLAND	0	896	2.06	0.00	0.00	0.34	Lower
ADVOCATE ILLINOIS MASONIC MEDICAL CENTER	CHICAGO	4	2430	5.59	0.72	0.19	1.83	Similar
ADVOCATE LUTHERAN GENERAL HOSPITAL	PARK RIDGE	2	1429	3.29	0.61	0.07	2.20	Similar
JOHN H STROGER JR HOSPITAL OF COOK COUNTY	CHICAGO	3	1939	4.46	0.67	0.14	1.97	Similar
MEMORIAL MEDICAL CENTER	SPRINGFIELD	3	2420	5.57	0.54	0.11	1.57	Similar
METROSOUTH MEDICAL CENTER	BLUE ISLAND	3	926	2.13	1.41	0.28	4.12	Similar
NORTHSHORE UNIV HS SKOKIE HOSPITAL	SKOKIE	1	654	1.50	0.66	0.01	3.70	Similar
OSF SAINT FRANCIS MEDICAL CENTER	PEORIA	1	2034	4.68	0.21	0.00	1.19	Similar
ROCKFORD MEMORIAL HOSPITAL	ROCKFORD	8	3303	7.60	1.05	0.45	2.08	Similar
RUSH UNIVERSITY MEDICAL CENTER	CHICAGO	14	4265	9.81	1.43	0.78	2.39	Similar
SHERMAN HOSPITAL	ELGIN	1	1101	2.53	0.39	0.01	2.20	Similar
SWEDISH COVENANT HOSPITAL	CHICAGO	0	113	0.26	0.00	0.00	2.70	Similar
UNIVERSITY OF CHICAGO MEDICAL CENTER	CHICAGO	1	1812	4.17	0.24	0.00	1.34	Similar

Central Line Associated Bloodstream Infection (CLABSI) Standardized Infection Ratio (SIR)

Reportable Period: January 1, 2009 - December 31, 2009

Location: Adult Medical/Surgical Intensive Care Unit

Statewide

Hospital	City	Observed (O) Number of CLABSIs	Number of Central Line Days ^b	Statistically "Expected" (E) Number of CLABSIs ^c	Unit-specific SIR=O/E	95% Confidence Interval (CI) ^d		Statistical Interpretation
						Lower Bound	Upper Bound	
ADVENTIST BOLINGBROOK HOSPITAL	BOLINGBROOK	0	808	1.21	0.00	0.00	0.58	Lower
ADVENTIST GLENOAKS HOSPITAL	GLENDAL HTS	0	1017	1.53	0.00	0.00	0.46	Lower
ADVENTIST HINSDALE HOSPITAL	HINSDALE	0	1115	1.67	0.00	0.00	0.42	Lower
ADVOCATE BROMENN MEDICAL CENTER	NORMAL	0	921	1.38	0.00	0.00	0.51	Lower
ALTON MEMORIAL HOSPITAL	ALTON	0	1251	1.88	0.00	0.00	0.37	Lower
ANDERSON HOSPITAL	MARYVILLE	0	527	0.79	0.00	0.00	0.89	Lower
CARLE FOUNDATION HOSPITAL	URBANA	1	2655	5.58	0.18	0.00	1.00	Lower
CENTEGRA HOSPITAL	WOODSTOCK	0	1176	1.76	0.00	0.00	0.40	Lower
CENTRAL DUPAGE HOSPITAL	WINFIELD	0	1727	2.59	0.00	0.00	0.27	Lower
CGH MEDICAL CENTER	STERLING	0	513	0.77	0.00	0.00	0.91	Lower
DECATUR MEMORIAL HOSPITAL	DECATUR	0	475	0.71	0.00	0.00	0.99	Lower
DELNOR HOSPITAL	GENEVA	0	995	1.49	0.00	0.00	0.47	Lower
FHN MEMORIAL HOSPITAL	FREEPORT	0	493	0.74	0.00	0.00	0.95	Lower
GENESIS MEDICAL CENTER-ILLINI CAMPUS	SILVIS	0	705	1.06	0.00	0.00	0.66	Lower
GOOD SAMARITAN REGIONAL HEALTH CENTER	MOUNT VERNON	0	1253	1.88	0.00	0.00	0.37	Lower
HEARTLAND REGIONAL MEDICAL CENTER	MARION	0	1337	2.01	0.00	0.00	0.35	Lower
KISHWAUKEE COMMUNITY HOSPITAL	DE KALB	0	1031	1.55	0.00	0.00	0.45	Lower
MIDWESTERN REGIONAL MEDICAL CENTER	ZION	0	1037	1.56	0.00	0.00	0.45	Lower
MORRIS HOSPITAL & HEALTHCARE CENTERS	MORRIS	0	676	1.01	0.00	0.00	0.69	Lower
NORTHWESTERN LAKE FOREST HOSPITAL	LAKE FOREST	0	848	1.27	0.00	0.00	0.55	Lower

Hospital	City	Observed (O) Number of CLABSIs	Number of Central Line Days ^b	Statistically "Expected" (E) Number of CLABSIs ^c	Unit-specific SIR=O/E	95% Confidence Interval (CI) ^d		Statistical Interpretation
						Lower Bound	Upper Bound	
OSF ST MARY MEDICAL CENTER	GALESBURG	0	784	1.18	0.00	0.00	0.60	Lower
PROVENA UNITED SAMARITANS LOGAN	DANVILLE	0	761	1.14	0.00	0.00	0.62	Lower
PROVIDENT HOSPITAL OF COOK COUNTY	CHICAGO	0	1178	1.77	0.00	0.00	0.40	Lower
RIVERSIDE MEDICAL CENTER	KANKAKEE	0	1281	1.92	0.00	0.00	0.37	Lower
SAINT ANTHONY'S HEALTH CENTER	ALTON	0	624	0.94	0.00	0.00	0.75	Lower
ST MARY'S HOSPITAL	CENTRALIA	0	879	1.32	0.00	0.00	0.53	Lower
VHS WEST SUBURBAN MEDICAL CENTER	OAK PARK	0	2588	3.88	0.00	0.00	0.18	Lower
ABRAHAM LINCOLN MEMORIAL HOSPITAL	LINCOLN	1	142	0.21	4.69	0.06	26.12	Similar
ADVENTIST LA GRANGE MEMORIAL HOSPITAL	LA GRANGE	3	2407	3.61	0.83	0.17	2.43	Similar
ADVOCATE CONDELL MEDICAL CENTER	LIBERTYVILLE	1	2727	4.09	0.24	0.00	1.36	Similar
ADVOCATE GOOD SAMARITAN HOSPITAL	DOWNERS GROVE	4	6162	9.24	0.43	0.12	1.11	Similar
ADVOCATE GOOD SHEPHERD HOSPITAL	BARRINGTON	4	2252	3.38	1.18	0.32	3.03	Similar
ADVOCATE SOUTH SUBURBAN HOSPITAL	HAZEL CREST	1	2125	3.19	0.31	0.00	1.75	Similar
ALEXIAN BROTHERS MEDICAL CENTER	ELK GROVE VILLAGE	3	4609	6.91	0.43	0.09	1.27	Similar
BLESSING HOSPITAL	QUINCY	1	1299	1.95	0.51	0.01	2.86	Similar
CARLE FOUNDATION HOSPITAL	URBANA	3	2048	4.30	0.70	0.14	2.04	Similar
CENTEGRA HOSPITAL	MCHENRY	2	3388	5.08	0.39	0.04	1.42	Similar
CENTRAL DUPAGE HOSPITAL	WINFIELD	1	2211	3.32	0.30	0.00	1.68	Similar
DECATUR MEMORIAL HOSPITAL	DECATUR	5	1191	1.79	2.80	0.90	6.53	Similar
EDWARD HOSPITAL	NAPERVILLE	4	1874	2.81	1.42	0.38	3.64	Similar
ELMHURST MEMORIAL HOSPITAL	ELMHURST	3	2228	3.34	0.90	0.18	2.62	Similar
FAIRFIELD MEMORIAL HOSPITAL	FAIRFIELD	0	132	0.20	0.00	0.00	3.55	Similar
GALESBURG COTTAGE HOSPITAL	GALESBURG	1	846	1.27	0.79	0.01	4.38	Similar
GATEWAY REGIONAL MEDICAL CENTER	GRANITE CITY	1	689	1.03	0.97	0.01	5.38	Similar
GOTTLIEB MEMORIAL HOSPITAL	MELROSE PARK	1	2621	3.93	0.25	0.00	1.42	Similar
GRAHAM HOSPITAL	CANTON	0	163	0.24	0.00	0.00	2.87	Similar
HARRISBURG MEDICAL CENTER	HARRISBURG	0	220	0.33	0.00	0.00	2.13	Similar
HERRIN HOSPITAL	HERRIN	1	416	0.62	1.60	0.02	8.92	Similar

Hospital	City	Observed (O) Number of CLABSIs	Number of Central Line Days ^b	Statistically "Expected" (E) Number of CLABSIs ^c	Unit-specific SIR=O/E	95% Confidence Interval (CI) ^d		Statistical Interpretation
						Lower Bound	Upper Bound	
HOLY CROSS HOSPITAL	CHICAGO	4	2804	4.21	0.95	0.26	2.43	Similar
HOPEDALE MEDICAL COMPLEX	HOPEDALE	0	99	0.15	0.00	0.00	4.73	Similar
INGALLS HOSPITAL	HARVEY	2	2997	4.50	0.44	0.05	1.61	Similar
KATHERINE SHAW BETHEA HOSPITAL	DIXON	0	258	0.39	0.00	0.00	1.81	Similar
LITTLE COMPANY OF MARY HOSPITAL & HC CENTERS	EVERGREEN PARK	8	3062	4.59	1.74	0.75	3.43	Similar
LOUIS A WEISS MEMORIAL HOSPITAL	CHICAGO	5	3162	4.74	1.05	0.34	2.46	Similar
MACNEAL HOSPITAL	BERWYN	4	2873	4.31	0.93	0.25	2.38	Similar
MCDONOUGH DISTRICT HOSPITAL	MACOMB	0	195	0.29	0.00	0.00	2.40	Similar
MEMORIAL HOSPITAL	BELLEVILLE	1	2861	4.29	0.23	0.00	1.30	Similar
MEMORIAL HOSPITAL OF CARBONDALE	CARBONDALE	5	1871	2.81	1.78	0.57	4.16	Similar
MEMORIAL MEDICAL CENTER	SPRINGFIELD	4	2838	5.96	0.67	0.18	1.72	Similar
MERCY HOSPITAL & MEDICAL CENTER	CHICAGO	9	2637	5.54	1.63	0.74	3.09	Similar
METHODIST MEDICAL CENTER OF ILLINOIS	PEORIA	1	1846	3.88	0.26	0.00	1.44	Similar
NorthShore Univ HS Evanston Hospital	EVANSTON	6	3138	6.59	0.91	0.33	1.98	Similar
NorthShore Univ HS Glenbrook Hospital	Glenview	1	1152	1.73	0.58	0.01	3.22	Similar
NorthShore Univ HS Highland Park Hospital	HIGHLAND PARK	2	1291	1.94	1.03	0.12	3.73	Similar
NORTHWEST COMMUNITY HOSPITAL	ARLINGTON HEIGHTS	6	3825	5.74	1.05	0.38	2.28	Similar
OSF SAINT ANTHONY MEDICAL CENTER	ROCKFORD	5	3404	5.11	0.98	0.32	2.29	Similar
OSF SAINT JAMES MEDICAL CENTER	PONTIAC	0	228	0.34	0.00	0.00	2.05	Similar
OSF ST JOSEPH MEDICAL CENTER	BLOOMINGTON	4	1021	1.53	2.61	0.70	6.69	Similar
OTTAWA REGIONAL HOSPITAL & HEALTHCARE CENTER	OTTAWA	1	87	0.13	7.66	0.10	42.63	Similar
OUR LADY OF THE RESURRECTION MEDICAL CENTER	CHICAGO	2	1750	2.63	0.76	0.09	2.75	Similar
OUR LADY OF THE RESURRECTION MEDICAL CENTER	CHICAGO	1	2491	3.74	0.27	0.00	1.49	Similar
PALOS COMMUNITY HOSPITAL	PALOS HEIGHTS	1	998	1.50	0.67	0.01	3.72	Similar
PASSAVANT AREA HOSPITAL	JACKSONVILLE	0	218	0.33	0.00	0.00	2.15	Similar
PEKIN HOSPITAL	PEKIN	0	427	0.64	0.00	0.00	1.10	Similar
PROCTOR HOSPITAL	PEORIA	3	1248	1.87	1.60	0.32	4.68	Similar

Hospital	City	Observed (O) Number of CLABSIs	Number of Central Line Days ^b	Statistically "Expected" (E) Number of CLABSIs ^c	Unit-specific SIR=O/E	95% Confidence Interval (CI) ^d		Statistical Interpretation
						Lower Bound	Upper Bound	
PROVENA COVENANT MEDICAL CENTER	URBANA	1	2485	5.22	0.19	0.00	1.07	Similar
PROVENA MERCY MEDICAL CENTER	AURORA	4	3574	5.36	0.75	0.20	1.91	Similar
PROVENA SAINT JOSEPH HOSPITAL	ELGIN	4	3218	4.83	0.83	0.22	2.12	Similar
PROVENA ST MARY'S HOSPITAL	KANKAKEE	2	1859	2.79	0.72	0.08	2.59	Similar
RIVERSIDE MEDICAL CENTER	KANKAKEE	2	1671	2.51	0.80	0.09	2.88	Similar
ROCHELLE COMMUNITY HOSPITAL	ROCHELLE	0	160	0.24	0.00	0.00	2.93	Similar
ROSELAND COMMUNITY HOSPITAL	CHICAGO	4	2527	3.79	1.06	0.28	2.70	Similar
RUSH OAK PARK HOSPITAL	OAK PARK	1	1841	2.76	0.36	0.00	2.01	Similar
RUSH-COPLEY MEDICAL CENTER	AURORA	1	1967	4.13	0.24	0.00	1.35	Similar
SACRED HEART HOSPITAL	CHICAGO	3	561	0.84	3.57	0.72	10.42	Similar
SAINT JOSEPH HOSPITAL	CHICAGO	2	2341	3.51	0.57	0.06	2.06	Similar
SAINTS MARY AND ELIZABETH MEDICAL CENTER	CHICAGO	6	2221	3.33	1.80	0.66	3.92	Similar
SALEM TOWNSHIP HOSPITAL	SALEM	0	75	0.11	0.00	0.00	6.24	Similar
SARAH BUSH LINCOLN HEALTH CENTER	MATTOON	3	545	0.82	3.67	0.74	10.72	Similar
SILVER CROSS HOSPITAL	JOLIET	2	1469	2.20	0.91	0.10	3.28	Similar
ST ALEXIUS MEDICAL CENTER	HOFFMAN ESTATES	2	3095	4.64	0.43	0.05	1.56	Similar
ST ANTHONY'S MEMORIAL HOSPITAL	EFFINGHAM	0	430	0.65	0.00	0.00	1.09	Similar
ST ELIZABETH'S HOSPITAL	BELLEVILLE	1	2095	3.14	0.32	0.00	1.77	Similar
ST FRANCIS HOSPITAL	EVANSTON	4	3621	5.43	0.74	0.20	1.89	Similar
ST JOHN'S HOSPITAL	SPRINGFIELD	9	4454	9.35	0.96	0.44	1.83	Similar
ST MARGARET'S HEALTH	SPRING VALLEY	0	83	0.12	0.00	0.00	5.64	Similar
ST MARY'S HOSPITAL	STREATOR	0	283	0.42	0.00	0.00	1.65	Similar
ST MARY'S HOSPITAL	DECATUR	2	874	1.31	1.53	0.17	5.51	Similar
SWEDISH COVENANT HOSPITAL	CHICAGO	1	1960	2.94	0.34	0.00	1.89	Similar
TOUCHETTE & KENNETH HALL REGIONAL HOSPITALS	CENTREVILLE	0	443	0.66	0.00	0.00	1.06	Similar
UNIVERSITY OF ILLINOIS MEDICAL CENTER AT CHICAGO	CHICAGO	5	3536	7.43	0.67	0.22	1.57	Similar
VALLEY WEST COMMUNITY HOSPITAL	SANDWICH	0	53	0.08	0.00	0.00	8.83	Similar
VHS WESTLAKE HOSPITAL	MELROSE PARK	1	1053	1.58	0.63	0.01	3.52	Similar

Hospital	City	Observed (O) Number of CLABSIs	Number of Central Line Days ^b	Statistically "Expected" (E) Number of CLABSIs ^c	Unit-specific SIR=O/E	95% Confidence Interval (CI) ^d		Statistical Interpretation
						Lower Bound	Upper Bound	
VISTA MEDICAL CENTER EAST	WAUKEGAN	5	2545	3.82	1.31	0.42	3.06	Similar
NORWEGIAN-AMERICAN HOSPITAL	CHICAGO	12	1768	2.65	4.52	2.34	7.90	Higher
OSF SAINT ANTHONY MEDICAL CENTER	ROCKFORD	8	2035	3.05	2.62	1.13	5.16	Higher
ST BERNARD HOSPITAL & HEALTH CARE CENTER	CHICAGO	10	1193	1.79	5.59	2.68	10.28	Higher
ST JAMES HOSPITAL & HEALTH CENTERS	CHICAGO HEIGHTS	7	1633	2.45	2.86	1.14	5.89	Higher
ST JAMES HOSPITAL & HEALTH CENTERS	OLYMPIA FIELDS	10	2548	3.82	2.62	1.25	4.81	Higher
SWEDISHAMERICAN HOSPITAL	ROCKFORD	14	3716	5.57	2.51	1.37	4.21	Higher
THOREK HOSPITAL & MEDICAL CENTER	CHICAGO	22	1078	1.62	13.61	8.52	20.60	Higher

^a The Standardized Infection Ratio (SIR) is a summary measure used to compare the 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 expected 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 The confidence interval for a hospital's standardized infection ratio(SIR) is the range of possible SIRs within which there is a 95% confidence that real SIR for that hospital lies, given the number of infections and procedures that were observed in that hospital in a specific time period.

If the 95% confidence interval includes 1.0, the hospital's infection rate is similar (not significantly different) from "expected" (predicted). If the SIR is greater than 1.0 and the 95% confidence interval does not include 1.0, the hospital's infection rate is significantly higher than "expected" (predicted) the SIR is less than 1.0 and the 95% confidence interval does not include 1.0, the hospital's infection rate is significantly lower than "expected" (predicted). All conclusions are based on the assumption that the hospital's patient population is similar the the NHSN pooled patient population.