



Pat Quinn, Governor

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Illinois Statewide Surgical Site Infections Report (SSI)

Knee Arthroplasty (KPROs)

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 surgical site infections occurring following coronary artery bypass graft surgery (CABGS) or knee arthroplasty (knee replacement) (KPRO). Comparison summary data for SSIs, expressed as a Standardized Infection Ratio (SIR), are presented by hospital for CABGS and KPRO surgery, respectively. Interpretation of these summary measures is provided.

Surgical Site Infection (SSI) Standardized Infection Ratio (SIR^a)

Reportable Period: July 1, 2010- June 30, 2011

Knee Arthroplasty (KPROs)

STATEWIDE

Hospital	City	Observed [O] Number of SSIs ^b	Number of KPROs Performed ^c	Statistically "Expected" [E] Number of SSIs ^d	Hospital-specific SIR ^e =O/E	95% Confidence Interval [CI] ^f		Statistical Interpretation
						Lower Bound ^g	Upper Bound	
ADVENTIST HINSDALE HOSPITAL	HINSDALE	2	383	2.29	0.87	0.11	3.15	Similar
ADVENTIST LA GRANGE MEMORIAL HOSPITAL	LA GRANGE	2	158	1.41	1.42	0.17	5.11	Similar
ADVOCATE BROMENN MEDICAL CENTER	NORMAL	1	335	2.35	0.43	0.01	2.37	Similar
ADVOCATE CHRIST HOSPITAL & MEDICAL CENTER	OAK LAWN	1	591	4.78	0.21	0.01	1.16	Similar
ADVOCATE CONDELL MEDICAL CENTER	LIBERTYVILLE	2	181	1.58	1.27	0.15	4.59	Similar
ADVOCATE GOOD SAMARITAN HOSPITAL	DOWNERS GROVE	3	285	1.57	1.91	0.39	5.59	Similar
ADVOCATE GOOD SHEPHERD HOSPITAL**	BARRINGTON	0	179	1.06	0	-----	3.48	Similar
ADVOCATE ILLINOIS MASONIC MEDICAL CENTER**	CHICAGO	0	164	1.11	0	-----	3.33	Similar
ADVOCATE LUTHERAN GENERAL HOSPITAL**	PARK RIDGE	0	521	2.52	0	-----	1.46	Similar
ADVOCATE SOUTH SUBURBAN HOSPITAL	HAZEL CREST	1	180	1.10	0.91	0.02	5.07	Similar
ALEXIAN BROTHERS MEDICAL CENTER	ELK GROVE VILLAGE	2	502	3.39	0.59	0.07	2.13	Similar
ALTON MEMORIAL HOSPITAL**	ALTON	0	115	1.10	0	-----	3.37	Similar
ANDERSON HOSPITAL**	MARYVILLE	0	183	1.05	0	-----	3.50	Similar
CARLE FOUNDATION HOSPITAL**	URBANA	0	386	2.17	0	-----	1.70	Similar
CENTEGRA HOSPITAL**	MCHENRY	0	233	1.64	0	-----	2.25	Similar
CENTEGRA HOSPITAL	WOODSTOCK	3	271	1.54	1.95	0.40	5.70	Similar
CENTRAL DUPAGE HOSPITAL	WINFIELD	3	1240	7.50	0.40	0.08	1.17	Similar
DECATUR MEMORIAL HOSPITAL	DECATUR	1	386	2.47	0.41	0.01	2.26	Similar
DELNOR HOSPITAL**	GENEVA	0	282	1.19	0	-----	3.10	Similar

EDWARD HOSPITAL	NAPERVILLE	2	569	2.92	0.68	0.08	2.47	Similar
ELMHURST MEMORIAL HOSPITAL **	ELMHURST	0	247	1.85	0	-----	1.99	Similar
FRANCISCAN ST. JAMES HEALTH	CHICAGO HEIGHTS	1	140	1.28	0.78	0.02	4.37	Similar
GOOD SAMARITAN REGIONAL HEALTH CENTER	MOUNT VERNON	1	185	1.20	0.83	0.02	4.64	Similar
HERRIN HOSPITAL **	HERRIN	0	234	1.04	0	-----	3.56	Similar
INGALLS HOSPITAL	HARVEY	2	525	2.97	0.67	0.08	2.44	Similar
LITTLE COMPANY OF MARY HOSPITAL & HC CENTERS	EVERGREEN PARK	3	134	1.29	2.33	0.48	6.81	Similar
LOUIS A WEISS MEMORIAL HOSPITAL	CHICAGO	5	327	2.52	1.98	0.64	4.62	Similar
LOYOLA GOTTLIEB MEMORIAL HOSPITAL	MELROSE PARK	1	221	2.19	0.46	0.01	2.54	Similar
MACNEAL HOSPITAL	BERWYN	2	267	2.30	0.87	0.11	3.14	Similar
MEMORIAL HOSPITAL **	BELLEVILLE	0	329	2.02	0	-----	1.83	Similar
MEMORIAL HOSPITAL OF CARBONDALE **	CARBONDALE	0	329	2.03	0	-----	1.82	Similar
MEMORIAL MEDICAL CENTER	SPRINGFIELD	6	955	6.67	0.90	0.33	1.96	Similar
METHODIST MEDICAL CENTER OF ILLINOIS	PEORIA	1	229	1.43	0.70	0.02	3.90	Similar
NORTHSHORE UNIV HS GLENBROOK HOSPITAL	GLENVIEW	1	688	3.78	0.27	0.01	1.48	Similar
NORTHSHORE UNIV HS SKOKIE HOSPITAL **	SKOKIE	0	600	3.18	0	-----	1.16	Similar
NORTHWEST COMMUNITY HOSPITAL **	ARLINGTON HEIGHTS	0	516	2.86	0	-----	1.29	Similar
NORTHWESTERN LAKE FOREST HOSPITAL **	LAKE FOREST	0	364	1.98	0	-----	1.86	Similar
NORTHWESTERN MEMORIAL HOSPITAL	CHICAGO	3	1028	7.00	0.43	0.09	1.25	Similar
OSF SAINT ANTHONY MEDICAL CENTER	ROCKFORD	5	387	2.15	2.33	0.76	5.43	Similar
OSF SAINT FRANCIS MEDICAL CENTER	PEORIA	3	388	2.49	1.20	0.25	3.52	Similar
OSF ST MARY MEDICAL CENTER	GALESBURG	2	169	1.00	2.00	0.24	7.21	Similar
PALOS COMMUNITY HOSPITAL **	PALOS HEIGHTS	0	317	2.07	0	-----	1.79	Similar
PEKIN HOSPITAL **	PEKIN	0	225	1.44	0	-----	2.56	Similar
PROCTOR HOSPITAL	PEORIA	2	376	1.76	1.14	0.14	4.11	Similar
PROVENA COVENANT MEDICAL CENTER	URBANA	1	112	1.02	0.98	0.03	5.49	Similar
PROVENA SAINT JOSEPH HOSPITAL **	ELGIN	0	180	1.03	0	-----	3.57	Similar
PROVENA SAINT JOSEPH MEDICAL CENTER	JOLIET	1	378	2.52	0.40	0.01	2.21	Similar
RESURRECTION MEDICAL CENTER	CHICAGO	2	212	1.32	1.51	0.18	5.47	Similar
RIVERSIDE MEDICAL CENTER	KANKAKEE	2	414	2.27	0.88	0.11	3.18	Similar

ROCKFORD MEMORIAL HOSPITAL	ROCKFORD	1	214	1.13	0.89	0.02	4.93	Similar
RUSH UNIVERSITY MEDICAL CENTER	CHICAGO	5	1241	9.15	0.55	0.18	1.27	Similar
RUSH-COPLEY MEDICAL CENTER**	AURORA	0	283	2.53	0	-----	1.46	Similar
SARAH BUSH LINCOLN HEALTH CENTER	MATTOON	1	211	1.78	0.56	0.01	3.12	Similar
SHERMAN HOSPITAL	ELGIN	2	316	1.82	1.10	0.13	3.97	Similar
ST ALEXIUS MEDICAL CENTER**	HOFFMAN ESTATES	0	318	2.32	0	-----	1.59	Similar
ST ANTHONY'S MEMORIAL HOSPITAL	EFFINGHAM	1	598	3.18	0.32	0.01	1.75	Similar
ST FRANCIS HOSPITAL**	EVANSTON	0	182	1.17	0	-----	3.15	Similar
ST JOHN'S HOSPITAL	SPRINGFIELD	2	383	2.72	0.74	0.09	2.66	Similar
SWEDISH AMERICAN HOSPITAL	ROCKFORD	3	333	2.25	1.34	0.28	3.90	Similar
TRINITY MEDICAL CENTER-ROCK ISLAND**	ROCK ISLAND	0	307	1.93	0	-----	1.91	Similar
UNIVERSITY OF CHICAGO MEDICAL CENTER**	CHICAGO	0	242	2.34	0	-----	1.57	Similar
UNIVERSITY OF ILLINOIS MEDICAL CENTER AT CHICAGO**	CHICAGO	0	118	1.20	0	-----	3.08	Similar
LOYOLA UNIVERSITY MEDICAL CENTER	MAYWOOD	5	150	1.35	3.71	1.21	8.67	Higher
ABRAHAM LINCOLN MEMORIAL HOSPITAL**	LINCOLN	0	*	0.07	-----			Not Available
ADVENTIST BOLINGBROOK HOSPITAL**	BOLINGBROOK	0	*	0.13	-----			Not Available
ADVENTIST GLENOAKS HOSPITAL**	GLENDAL HTS	0	*	0.08	-----			Not Available
ADVOCATE TRINITY HOSPITAL	CHICAGO	1	101	0.68	-----			Not Available
BLESSING HOSPITAL	QUINCY	1	105	0.70	-----			Not Available
CGH MEDICAL CENTER**	STERLING	0	136	0.67	-----			Not Available
CROSSROADS COMMUNITY HOSPITAL**	MOUNT VERNON	0	74	0.37	-----			Not Available
FHN MEMORIAL HOSPITAL**	FREEPORT	0	132	0.62	-----			Not Available
GALESBURG COTTAGE HOSPITAL**	GALESBURG	0	87	0.51	-----			Not Available
GATEWAY REGIONAL MEDICAL CENTER**	GRANITE CITY	0	121	0.85	-----			Not Available
GENESIS MEDICAL CENTER-ILLINI CAMPUS	SILVIS	1	137	0.83	-----			Not Available
GIBSON AREA HOSPITAL & HEALTH SERVICES**	GIBSON CITY	0	83	0.44	-----			Not Available
GRAHAM HOSPITAL	CANTON	1	89	0.47	-----			Not Available
HAMMOND-HENRY HOSPITAL**	GENESE0	0	58	0.27	-----			Not Available
HEARTLAND REGIONAL MEDICAL CENTER**	MARION	0	91	0.45	-----			Not Available
HOLY CROSS HOSPITAL**	CHICAGO	0	64	0.44	-----			Not Available

HOLY FAMILY MEDICAL CENTER**	DES PLAINES	0	*	0.03	----			Not Available
HOPEDALE MEDICAL COMPLEX**	HOPEDALE	0	*	0.04	----			Not Available
ILLINOIS VALLEY COMMUNITY HOSPITAL**	PERU	0	138	0.65	----			Not Available
IROQUOIS MEMORIAL HOSPITAL & RESIDENT HOME**	WATSEKA	0	*	0.06	----			Not Available
KATHERINE SHAW BETHEA HOSPITAL**	DIXON	0	44	0.27	----			Not Available
KEWANEE HOSPITAL**	KEWANEE	0	*	0.02	----			Not Available
KISHWAUKEE COMMUNITY HOSPITAL**	DE KALB	0	123	0.67	----			Not Available
MCDONOUGH DISTRICT HOSPITAL**	MACOMB	0	*	0.08	----			Not Available
MEMORIAL HOSPITAL**	CHESTER	0	*	0.09	----			Not Available
MENDOTA COMMUNITY HOSPITAL**	MENDOTA	0	*	0.02	----			Not Available
MERCY HARVARD HOSPITAL**	HARVARD	0	*	0.04	----			Not Available
METROSOUTH MEDICAL CENTER**	BLUE ISLAND	0	111	0.67	----			Not Available
MORRIS HOSPITAL & HEALTHCARE CENTERS**	MORRIS	0	186	0.78	----			Not Available
MOUNT SINAI HOSPITAL**	CHICAGO	0	38	0.28	----			Not Available
NORTHSHORE UNIV HS HIGHLAND PARK HOSPITAL**	HIGHLAND PARK	0	90	0.53	----			Not Available
NORWEGIAN-AMERICAN HOSPITAL**	CHICAGO	0	*	0.01	----			Not Available
OSF SAINT JAMES MEDICAL CENTER**	PONTIAC	0	77	0.46	----			Not Available
OSF ST JOSEPH MEDICAL CENTER**	BLOOMINGTON	0	213	0.84	----			Not Available
OTTAWA REGIONAL HOSPITAL & HEALTHCARE CENTER	OTTAWA	1	32	0.16	----			Not Available
OUR LADY OF THE RESURRECTION MEDICAL CENTER**	CHICAGO	0	34	0.18	----			Not Available
PASSAVANT AREA HOSPITAL**	JACKSONVILLE	0	162	0.80	----			Not Available
PERRY MEMORIAL HOSPITAL**	PRINCETON	0	27	0.20	----			Not Available
PROVENA MERCY MEDICAL CENTER	AURORA	1	151	0.87	----			Not Available
PROVENA ST MARY'S HOSPITAL**	KANKAKEE	0	151	0.82	----			Not Available
PROVENA UNITED SAMARITANS LOGAN**	DANVILLE	0	*	0.03	----			Not Available
RICHLAND MEMORIAL HOSPITAL**	OLNEY	0	*	0.00	----			Not Available
RUSH OAK PARK HOSPITAL	OAK PARK	3	146	0.95	----			Not Available
SAINT ANTHONY HOSPITAL**	CHICAGO	0	*	0.01	----			Not Available
SAINT ANTHONY'S HEALTH CENTER**	ALTON	0	138	0.83	----			Not Available
SAINT JOSEPH HOSPITAL**	CHICAGO	0	108	0.63	----			Not Available

SAINTS MARY AND ELIZABETH MEDICAL CENTER	CHICAGO	1	49	0.33	-----			Not Available
SILVER CROSS HOSPITAL	JOLIET	1	174	0.87	-----			Not Available
SPARTA COMMUNITY HOSPITAL**	SPARTA	0	*	0.08	-----			Not Available
ST ELIZABETH'S HOSPITAL	BELLEVILLE	1	77	0.90	-----			Not Available
ST FRANCIS HOSPITAL**	LITCHFIELD	0	30	0.16	-----			Not Available
ST JOSEPH'S HOSPITAL**	BREESE	0	*	0.05	-----			Not Available
ST JOSEPH'S HOSPITAL**	HIGHLAND	0	24	0.10	-----			Not Available
ST MARGARET'S HEALTH	SPRING VALLEY	1	146	0.54	-----			Not Available
ST MARY'S HOSPITAL**	CENTRALIA	0	68	0.39	-----			Not Available
ST MARY'S HOSPITAL**	DECATUR	0	105	0.68	-----			Not Available
ST MARY'S HOSPITAL**	STREATOR	0	61	0.39	-----			Not Available
SWEDISH COVENANT HOSPITAL**	CHICAGO	0	117	0.86	-----			Not Available
THOREK HOSPITAL & MEDICAL CENTER**	CHICAGO	0	*	0.09	-----			Not Available
VALLEY WEST COMMUNITY HOSPITAL**	SANDWICH	0	*	0.08	-----			Not Available
VHS WEST SUBURBAN MEDICAL CENTER	OAK PARK	1	123	0.79	-----			Not Available
VHS WESTLAKE HOSPITAL	MELROSE PARK	1	31	0.24	-----			Not Available
VISTA MEDICAL CENTER EAST**	WAUKEGAN	0	145	0.99	-----			Not Available
WABASH GENERAL HOSPITAL**	MOUNT CARMEL	0	64	0.36	-----			Not Available

^a The Standardized Infection Ratio (SIR) is a summary measure used to compare the surgical site infection (SSI) experience amongst a group of patients undergoing a specific procedure in a given hospital to that of a standard population. It is the observed number of infections divided by the expected number of infections.

^b Excludes Superficial Incisional Secondary (SIS) and Deep Incisional Secondary (DIS) SSIs.

^c Reporting on too few procedures is a risk to patient confidentiality. If there are twenty (20) or fewer procedures performed, the report for the number of infections will be deferred until there are more procedures performed.

^d Please note that the "expected" number of infections does not mean that you expect to get an infection when you are undergo a surgical procedure.

^e If the expected number of infections is < 1.0, the SIR is not calculated because it does not meet the minimum requirement for precision.

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

§ The lower bound of the confidence interval is calculated only if the infection count > 0.

* 20 or fewer KPROs performed at this hospital.

** Zero Infections, but too few procedures performed to determine whether this is significantly better than expected.

Interpretation of the SIR: All conclusions are based on the assumption that the hospital's surgical population is similar to the NHSN pooled patient population.

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).

If 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 to the NHSN pooled patient population.