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Illinois Statewide Surgical Site Infections Report (SSI)

Coronary Artery Bypass Graft Surgery (CABGS)

Health Care Associated Infections

The Hospital Report Card Act (Illinois Public Act 93-563) requires Illinois hospitals to report surgical site infections (SSI) occurring following coronary artery bypass graft surgery (CABGS). SSIs are infections that occur in the wound created by an invasive surgical procedure and are one of the most important causes of healthcare-associated infections (HAI). Illinois hospitals have been reporting surgical site infection (SSI) data using the CDC's National Healthcare Safety Network (NHSN) since April, 2010. IDPH monitors inpatient procedures and Deep Incisional Primary and Organ/Space SSIs that were identified during admission or readmission to Illinois acute care facilities as defined in the NHSN Manual.

Comparison summary data for SSIs, expressed as a Standardized Infection Ratio (SIR), are presented by hospital for CABG surgery. Interpretation of these summary measures is provided. This report and analysis reflects the January 1, 2015 to December 31, 2015 SSI data of Illinois hospitals that performs coronary artery bypass graft surgery (CABGS).

More information on the NHSN Surveillance for Surgical Site Infection (SSI) Events may be found at the CDC website:

<http://www.cdc.gov/nhsn/acute-care-hospital/ssi/>

Surgical Site Infection (SSI) Standardized Infection Ratio (SIR^a)
Coronary Artery Bypass Graft Surgery (CABG)
Reportable Period: January 1, 2015 - December 31, 2015
STATEWIDE

Hospital Name	Hospital City	Observed [O] Number of CBGB ^b	Number of CBGB Performed	Statistically Predicted Number of CBGB ^c	Unit-Specific SIR ^d = O/E	95%CI (Lower) ^e	95%CI (Upper)	Statistical Interpretation
AMITA Health Elk Grove Village **	Elk Grove Village	0	206	2.02	0.00	.	1.48	Similar
AMITA Health Hinsdale	Hinsdale	0	79	0.89	.	.	.	Not Available
AMITA Health La Grange	La Grange	0	48	0.64	.	.	.	Not Available
Advocate Bromenn Medical Center	Normal	1	35	0.40	.	.	.	Not Available
Advocate Christ Medical Center	Oak Lawn	2	388	5.16	0.39	0.07	1.28	Similar
Advocate Condell Medical Center	Libertyville	1	126	1.37	0.73	0.04	3.61	Similar
Advocate Good Samaritan Hospital **	Downers Grove	0	145	1.57	0.00	.	1.90	Similar
Advocate Good Shepherd Hospital	Barrington	5	152	1.44	3.48	1.28	7.72	Higher
Advocate Illinois Masonic Medical Center	Chicago	1	76	0.97	.	.	.	Not Available
Advocate Lutheran General Hospital	Park Ridge	1	142	1.48	0.68	0.03	3.33	Similar
Advocate Sherman Hospital	Elgin	0	100	0.91	.	.	.	Not Available
Blessing Hospital **	Quincy	0	116	1.30	0.00	.	2.31	Similar
Carle Foundation Hospital	Urbana	0	251	3.44	0.00	.	0.87	Lower
Centegra Hospital **	Mchenry	0	143	2.01	0.00	.	1.49	Similar
Decatur Memorial Hospital	Decatur	1	62	0.63	.	.	.	Not Available
Edward Hospital	Naperville	2	170	1.78	1.13	0.19	3.72	Similar
Elmhurst Memorial Hospital	Elmhurst	1	55	0.82	.	.	.	Not Available
Franciscan St. James Health	Chicago Heights	0	64	0.84	.	.	.	Not Available
HSBS St Elizabeth's Hospital	Belleville	2	113	1.74	1.15	0.19	3.79	Similar
HSBS St John's Hospital	Springfield	2	397	5.49	0.37	0.06	1.20	Similar

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Ingalls Memorial Hospital	Harvey	0	37	0.51	.	.	.	Not Available
John H Stroger Jr Hospital of Cook County **	Chicago	0	68	1.13	0.00	.	2.64	Similar
Loyola Gottlieb Memorial Hospital	Melrose Park	1	70	1.17	0.85	0.04	4.21	Similar
Loyola University Medical Center	Maywood	3	323	5.70	0.53	0.13	1.43	Similar
MacNeal Hospital **	Berwyn	0	86	1.89	0.00	.	1.58	Similar
Memorial Hospital	Belleville	3	146	1.86	1.62	0.41	4.40	Similar
Memorial Hospital of Carbondale **	Carbondale	0	186	2.18	0.00	.	1.38	Similar
Memorial Medical Center	Springfield	4	303	3.68	1.09	0.35	2.62	Similar
Mercy Hospital & Medical Center	Chicago	0	29	0.42	.	.	.	Not Available
Metrosouth Medical Center *	Blue Island	.	.	.	.	.	.	Not Available
Mount Sinai Hospital	Chicago	0	48	0.70	.	.	.	Not Available
Northshore Univ HS Evanston Hospital	Evanston	2	79	1.28	1.57	0.26	5.18	Similar
Northshore Univ HS Highland Park Hospital	Highland Park	2	81	1.18	1.70	0.29	5.61	Similar
Northwest Community Healthcare Hospital **	Arlington Heights	0	137	1.51	0.00	.	1.99	Similar
Northwestern Medicine Central Dupage Hospital **	Winfield	0	170	2.07	0.00	.	1.45	Similar
Northwestern Memorial Hospital	Chicago	5	228	3.28	1.52	0.56	3.38	Similar
OSF Saint Anthony Medical Center **	Rockford	0	148	1.65	0.00	.	1.82	Similar
OSF Saint Francis Medical Center **	Peoria	0	194	2.74	0.00	.	1.09	Similar
OSF St Joseph Medical Center	Bloomington	1	55	0.60	.	.	.	Not Available
Palos Community Hospital	Palos Heights	2	169	1.50	1.33	0.22	4.40	Similar

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Presence Covenant Medical Center	Urbana	0	65	0.73	.	.	.	Not Available
Presence Mercy Medical Center	Aurora	2	122	1.45	1.38	0.23	4.57	Similar
Presence Resurrection Medical Center	Chicago	2	185	2.27	0.88	0.15	2.92	Similar
Presence Saint Francis Hospital	Evanston	0	34	0.43	.	.	.	Not Available
Presence Saint Joseph Hospital	Elgin	0	56	0.69	.	.	.	Not Available
Presence Saint Joseph Hospital	Chicago	2	65	0.73	.	.	.	Not Available
Presence Saint Joseph Medical Center	Joliet	2	187	2.47	0.81	0.14	2.67	Similar
Presence Saints Mary and Elizabeth Medical Center	Chicago	0	42	0.69	.	.	.	Not Available
Riverside Medical Center	Kankakee	1	92	1.11	0.90	0.05	4.44	Similar
Rockford Memorial Hospital	Rockford	0	36	0.51	.	.	.	Not Available
Rush University Medical Center **	Chicago	0	115	2.03	0.00	.	1.48	Similar
Rush-Copley Medical Center **	Aurora	0	104	1.85	0.00	.	1.62	Similar
SSM Health Good Samaritan Hospital **	Mount Vernon	0	82	1.08	0.00	.	2.76	Similar
Swedish Covenant Hospital **	Chicago	0	101	1.64	0.00	.	1.83	Similar
Swedishamerican Hospital	Rockford	1	125	1.74	0.58	0.03	2.84	Similar
Unitypoint Health - Methodist	Peoria	0	60	0.96	.	.	.	Not Available
Unitypoint Health - Trinity - Rock Island **	Rock Island	0	189	2.13	0.00	.	1.41	Similar
University of Chicago Medicine	Chicago	1	147	2.60	0.39	0.02	1.90	Similar
University of Illinois Hospital & Health Sci System	Chicago	0	44	0.58	.	.	.	Not Available
Vista Medical Center East	Waukegan	0	36	0.53	.	.	.	Not Available

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Weiss Memorial Hospital	Chicago	0	25	0.38	.	.	.	Not Available
West Suburban Medical Center *	Oak Park	.	.	.	.	.	.	Not Available

NHSN Data contained in this report were last generated on September 26, 2016

* Hospital with 20 or fewer procedures performed. Reporting on too few procedures is a risk to patient confidentiality.

** Hospital reported zero infections, however, the number of reported events is not significantly different than predicted.

^a The Standardized Infection Ratio (SIR) is a summary measure used to compare the SSI experience amongst a group of patients undergoing the procedure to that of a standard population. It is the observed number of infections divided by the predicted number of infections.

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

^c Please note that the predicted number of infections does not mean that you expect to get an infection when you undergo a surgical procedure.

^d If the predicted number of infections is less than 1.00, the SIR is not calculated because it does not meet the minimum requirement for precision.

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

Interpretation of the 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