

Coronary Artery Bypass Graft (CABG) Surgical Site Infections 2015

HOSPITAL NAME	Number of Procedures	Observed # of CABG Infections (O)	Expected # of CABG Infections (E) ^a	SIR ^b	p-value	95 % Confidence Interval	National Comparison [‡]
AtlantiCare Regional Medical Center-Mainland Campus	167	5	2.415	2.07	0.134	(0.759, 4.589)	S
Cooper Hospital University	225	1	2.344	0.427	0.417	(0.021, 2.104)	S
Deborah Heart and Lung Center	235	1	3.4	0.294	0.18	(0.015, 1.450)	S
Englewood Hospital and Medical Center	200	3	2.619	1.145	0.755	(0.291, 3.117)	S
Hackensack University Medical Center	293	2	4.803	0.416	0.19	(0.070, 1.376)	S
Jersey City Medical Center	152	1	1.758	0.569	0.648	(0.028, 2.806)	S
Jersey Shore University Medical Center	503	8	6.534	1.224	0.545	(0.569, 2.325)	S
Morristown Medical Center	780	4	8.21	0.487	0.125	(0.155, 1.175)	S
Newark Beth Israel Medical Center	229	8	3.662	2.185	0.046	(1.015, 4.149)	H
Our Lady of Lourdes Medical Center	536	5	5.36	0.933	0.933	(0.342, 2.068)	S
Robert Wood Johnson University Hospital	521	2	6.485	0.308	0.055	(0.052, 1.019)	S
Robert Wood Johnson University Hospital Somerset	220	4	2.491	1.606	0.348	(0.510, 3.874)	S
Saint Michael's Medical Center	107	0	1.374	0	0.253	(---, 2.180)	S
St. Francis Medical Center	172	1	2.868	0.349	0.277	(0.017, 1.720)	S
St. Joseph's University Medical Center	235	0	2.789	0	0.062	(---, 1.074)	S
St. Mary's General Hospital	51	1	0.636	---	---	---	---
The Valley Hospital	197	2	2.017	0.991	1	(0.166, 3.276)	S
University Hospital	26	3	0.333	---	---	---	---
Statewide	4849	51	60.097	0.849	0.238	(0.638, 1.107)	S

Source: New Jersey Healthcare-Associated Infections for 2015 submitted through the National Healthcare Safety Network (NHSN).

^a Expected (E)= # of infections predicted using the model fitted from the NHSN data from 2006-2008.

This data set will serve as the baseline/benchmark for future reports.

Important to note that if Expected is <1, the SIR is not calculated as the result is not precise.

^b Standardized Infection Ratio (SIR)= Observed (O)/ Expected (E)

[‡] Each hospital is compared to the National Ratio=1. The National Ratio is derived using the CDC's NHSN data from 2006-2008 (AJIC, December 2009).

L indicates hospital infections are LOWER than infections seen nationally.

H indicates hospital infections are HIGHER than infections seen nationally.

S indicates hospital infections are SIMILAR to infections seen nationally.

– SIR is not calculated because the Expected is < 1 .

CABG: includes procedures with either chest only or chest and donor site incisions.