

Healthcare-Associated Infections
Delaware Acute Care Hospitals
4th Quarter 2015: October - December 2015
Recalculation of Predicted Numbers Using 2015 Baseline^X

Central Line-Associated Bloodstream Infections (CLABSI)		Number of infections	
CLABSI [€]	Central line days	Observed	Predicted ^X
Statewide	15,096	15	15.73
SIR* = 0.95		95% CL**= 0.55, 1.54	
Hospital	Central line days	Observed	Predicted ^X
Al duPont	2,597	2	3.35
Bayhealth, Kent	1,373	0	1.10
Bayhealth, Milford	607	0	0.42
Beebe	1,378	1	0.98
Christiana	6,944	11	8.01
Nanticoke	499	1	0.35
St. Francis	675	0	0.62
Wilmington Hospital	1,023	0	0.90

Methicillin-resistant Staphylococcus aureus (MRSA) - Lab-Identified		Number of infections	
MRSA	Patient Days	Observed	Predicted ^X
Statewide	125,368	4	6.42
SIR* = 0.62		95% CL**= 0.20, 1.50	
Hospital	Patient Days	Observed	Predicted ^X
Al duPont	11,844	0	0.41
Bayhealth, Kent	19,539	0	1.14
Bayhealth, Milford	5,775	0	0.35
Beebe	10,762	0	0.47
Christiana	57,184	3	3.27
Nanticoke	5,127	1	0.21
St. Francis	4,680	0	0.15
Wilmington Hospital	10,457	0	0.43

Catheter-Associated Urinary Tract Infections (CAUTI)		Number of infections	
CAUTI [¥]	Catheter days	Observed	Predicted ^X
Statewide	11,154	14	9.26
SIR* = 0.98		95% CL**= 0.56, 1.60	
Hospital	Catheter days	Observed	Predicted ^X
Al duPont	604	3	0.71
Bayhealth, Kent	1,473	2	1.44
Bayhealth, Milford	524	1	0.37
Beebe	1,337	2	0.94
Christiana	5,059	6	9.00
Nanticoke	988	0	0.69
St. Francis	623	0	0.62
Wilmington Hospital	546	0	0.56

Clostridium difficile (C diff) - Lab-Identified		Number of infections	
C diff	Patient Days	Observed	Predicted ^X
Statewide	114,052	95	86.57
SIR* = 1.10		95% CL**= 0.89, 1.34	
Hospital	Patient Days	Observed	Predicted ^X
Al duPont	10,737	10	5.57
Bayhealth, Kent	17,678	11	13.44
Bayhealth, Milford	5,582	3	2.97
Beebe	10,762	7	7.24
Christiana	49,523	49	42.08
Nanticoke	5,127	3	2.22
St. Francis	4,186	5	7.94
Wilmington Hospital	10,457	7	5.10

SSIs with event date within 30 days of procedure; in-plan, inpatient procedures in patients >=18 years		Number of infections	
Colon surgery	Procedures	Observed	Predicted ^X
Statewide	271	16	7.50
SIR* = 2.13		95% CL**= 1.26, 3.39	
Hospital	Procedures	Observed	Predicted ^X
Al duPont [#]	-----	-----	-----
Bayhealth, Kent	28	1	0.81
Bayhealth, Milford	15	2	0.39
Beebe	37	0	0.96
Christiana	153	8	4.36
Nanticoke	10	0	0.25
St. Francis	11	1	0.26
Wilmington Hospital	17	4	0.46

SSIs with event date within 30 days of procedure; in-plan, inpatient procedures in patients >=18 years.		Number of infections	
Abdominal Hysterectomy	Procedures	Observed	Predicted ^X
Statewide	186	3	1.55
SIR* = 1.94		95% CL**= 0.49, 5.28	
Hospital	Procedures	Observed	Predicted ^X
Al duPont [#]	-----	-----	-----
Bayhealth, Kent	38	1	0.32
Bayhealth, Milford	8	0	0.06
Beebe	15	1	0.12
Christiana	88	1	0.75
Nanticoke	10	0	0.08
St. Francis	12	0	0.10
Wilmington Hospital	15	0	0.13

Data contained in this report were generated on November 3, 2017

X - Predicted numbers of infections were recalculated based on 2015 baseline established in December 2016

<https://www.cdc.gov/nhsn/pdfs/rebaseline/faq-general-rebaseline.pdf>

- Colon surgeries and hysterectomies are not routinely performed at this hospital (pediatric population)

€ - as of 1/1/2015 CMS reporting requirements for CLABSI include Adult & Pediatric, Medical Surgical, & Medical/Surgical Wards, in addition to Adult, Pediatric & Neonatal ICUs

¥ - as of 1/1/2015 CMS reporting requirements for CAUTI include Adult & Pediatric, Medical Surgical, & Medical/Surgical Wards, in addition to Adult & Pediatric ICUs

* SIR = Standardized Infection Ratio

** CL = Confidence Limit