

Healthcare-Associated Infections
Delaware Acute Care Hospitals
4th Quarter 2018: October - December 2018

Central Line-Associated Bloodstream Infection (CLABSI)		Number of infections	
CLABSI €	Central line days	Observed	Predicted
Statewide	15,829	8	17.43
SIR* = 0.46		95% CL**= (0.21, 0.87)	
Hospital	Central line days	Observed	Predicted
Al duPont	2,615	4	3.31
Bayhealth, Kent	1,322	0	1.4
Bayhealth, Milford	230	0	0.23
Beebe	884	0	0.63
Christiana	8,540	4	9.98
Nanticoke	512	0	0.35
St. Francis	664	0	0.60
Wilmington Hospital	1,062	0	0.93

Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA) - Lab-Identified		Number of infections	
MRSA	Patient Days	Observed	Predicted
Statewide	139,144	10	11.84
SIR* = 0.85		95% CL**= (0.43, 1.51)	
Hospital	Patient Days	Observed	Predicted
Al duPont	14,211	0	0.79
Bayhealth, Kent	21,415	1	2.33
Bayhealth, Milford	5,452	0	0.25
Beebe	10,402	1	0.47
Christiana	62,757	8	6.83
Nanticoke	5,871	0	0.34
St. Francis	6,230	0	0.41
Wilmington Hospital	12,806	0	0.43

Catheter-Associated Urinary Tract Infection (CAUTI)		Number of infections	
CAUTI ¥	Catheter days	Observed	Predicted
Statewide	8,601	8	11.52
SIR* = 0.69		95% CL**= (0.32, 1.32)	
Hospital	Catheter days	Observed	Predicted
Al duPont	384	1	0.42
Bayhealth, Kent	1,574	1	2.41
Bayhealth, Milford	268	0	0.29
Beebe	760	0	0.54
Christiana	4,112	5	6.49
Nanticoke	515	0	0.36
St. Francis	595	0	0.62
Wilmington Hospital	393	1	0.41

<i>Clostridium difficile</i> (C diff) - Lab-Identified		Number of infections	
C diff	Patient Days	Observed	Predicted
Statewide	131,817	52	86.74
SIR* = 0.60		95% CL**= (0.45, 0.78)	
Hospital	Patient Days	Observed	Predicted
Al duPont	12,250	6	5.51
Bayhealth, Kent	19,468	13	14.54
Bayhealth, Milford	5,247	2	4.81
Beebe	10,402	2	5.72
Christiana	60,285	17	43.49
Nanticoke	5,871	7	3.20
St. Francis	5,488	2	3.31
Wilmington Hospital	12,806	3	6.15

SSIs with event date within 30 days of procedure; in-plan, inpatient procedures in patients >=18 years		Number of infections	
Surgical Site Infections (SSIs)		Number of infections	
Colon surgery	Procedures	Observed	Predicted
Statewide	299	2	8.18
SIR* = 0.24		95% CL**= (0.04, 0.81)	
Hospital	Procedures	Observed	Predicted
Al duPont#	-----	-----	-----
Bayhealth, Kent	28	1	0.77
Bayhealth, Milford	6	0	0.14
Beebe	51	0	1.32
Christiana	185	1	5.19
Nanticoke	6	0	0.17
St. Francis	11	0	0.27
Wilmington Hospital	12	0	0.32

SSIs with event date within 30 days of procedure; in-plan, inpatient procedures in patients >=18 years		Number of infections	
Surgical Site Infections (SSIs)		Number of infections	
Abdominal Hysterectomy	Procedures	Observed	Predicted
Statewide	188	3	1.58
SIR* = 1.90		95% CL**= (0.48, 5.17)	
Hospital	Procedures	Observed	Predicted
Al duPont#	-----	-----	-----
Bayhealth, Kent	27	0	0.24
Bayhealth, Milford	12	0	0.11
Beebe	7	1	0.06
Christiana	116	2	0.97
Nanticoke	3	0	0.03
St. Francis	14	0	0.11
Wilmington Hospital	9	0	0.07

Data contained in this report were generated on May 16, 2019.

Note: Predicted numbers of infections are calculated based on 2015 baseline established in December 2016

- 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