

Healthcare-Associated Infections
Delaware Acute Care Hospitals
4th Quarter 2016: October - December 2016

Central Line-Associated Bloodstream Infections (CLABSI)		Number of infections	
CLABSI €	Central line days	Observed	Predicted
Statewide	15,362	19	15.93
	SIR* = 1.19	95% CL**=	0.74, 1.83
Hospital	Central line days	Observed	Predicted
Al duPont	2,941	5	3.79
Bayhealth, Kent	1,823	1	1.46
Bayhealth, Milford	314	0	0.22
Beebe	1,565	2	1.11
Christiana	6,737	10	7.66
Nanticoke	539	0	0.37
St. Francis	496	0	0.47
Wilmington Hospital	947	1	0.84

Methicillin-resistant Staphylococcus aureus (MRSA) - Lab-Identified		Number of infections	
MRSA	Patient Days	Observed	Predicted
Statewide	135,514	6	8.20
	SIR* = 0.73	95% CL**=	(0.30, 1.52)
Hospital	Patient Days	Observed	Predicted
Al duPont	11,435	0	0.40
Bayhealth, Kent	21,648	1	1.26
Bayhealth, Milford	4,306	0	0.16
Beebe	12,213	0	0.70
Christiana	63,885	4	4.02
Nanticoke	5,026	0	0.21
St. Francis	4,718	1	0.24
Wilmington Hospital	12,283	0	1.22

Catheter-Associated Urinary Tract Infections (CAUTI)		Number of infections	
CAUTI ¥	Catheter days	Observed	Predicted
Statewide	11,486	16	14.19
	SIR* = 1.13	95% CL**=	0.67, 1.79
Hospital	Catheter days	Observed	Predicted
Al duPont	470	0	0.55
Bayhealth, Kent	1,755	4	1.82
Bayhealth, Milford	364	0	0.26
Beebe	1,785	2	1.27
Christiana	5,015	10	8.29
Nanticoke	876	0	0.61
St. Francis	574	0	0.58
Wilmington Hospital	647	0	0.82

Clostridium difficile (C diff) - Lab-Identified		Number of infections	
C diff	Patient Days	Observed	Predicted
Statewide	125,464	93	85.19
	SIR* = 1.09	95% CL**=	(0.89, 1.33)
Hospital	Patient Days	Observed	Predicted
Al duPont	11,435	10	6.54
Bayhealth, Kent	19,733	14	12.84
Bayhealth, Milford	4,143	2	2.66
Beebe	12,058	9	7.22
Christiana	56,503	44	45.17
Nanticoke	5,026	2	1.61
St. Francis	4,283	1	3.16
Wilmington Hospital	12,283	11	6.00

SSIs with event date within 30 days of procedure; in-plan, inpatient procedures in patients >=18 years			
Surgical Site Infections (SSIs)		Number of infections	
Colon surgery	Procedures	Observed	Predicted
Statewide	279	5	7.56
	SIR* = 0.66	95% CL**=	(0.24, 1.47)
Hospital	Procedures	Observed	Predicted
Al duPont#	-----		
Bayhealth, Kent	33	0	0.89
Bayhealth, Milford	12	1	0.31
Beebe	37	1	0.89
Christiana	167	2	4.63
Nanticoke	8	0	0.22
St. Francis	8	0	0.19
Wilmington Hospital	14	1	0.43

SSIs with event date within 30 days of procedure; in-plan, inpatient procedures in patients >=18 years.			
Surgical Site Infections (SSIs)		Number of infections	
Abdominal Hysterectomy	Procedures	Observed	Predicted
Statewide	134	2	1.15
	SIR* = 1.74	95% CL**=	(0.29, 5.75)
Hospital	Procedures	Observed	Predicted
Al duPont#	-----		
Bayhealth, Kent	36	0	0.28
Bayhealth, Milford	2	0	0.02
Beebe	5	0	0.06
Christiana	68	2	0.59
Nanticoke	10	0	0.07
St. Francis	8	0	0.08
Wilmington Hospital	5	0	0.04

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

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