

Hospital-acquired Infections in Pennsylvania

Pennsylvania Health Care Cost Containment Council

Statewide Summary Data - Calendar Year 2006

	Number of Cases	Infection Rate per 1,000 Cases	Mortality		Average Length of Stay (in Days)		Average Charge †	
			Number	Percent	Mean	Median	Mean	Median
STATEWIDE	1,574,170	NA	36,119	2.3	4.7	3.0	\$36,001	\$18,900
Cases with Infections	30,237	19.2	3,716	12.3	19.3	14.0	\$175,964	\$79,670
Urinary Tract	13,635	8.7	873	6.4	15.6	12.0	\$117,253	\$57,609
Pneumonia	3,326	2.1	790	23.8	19.8	16.0	\$205,650	\$106,472
Bloodstream	2,945	1.9	625	21.2	23.4	19.0	\$243,922	\$148,168
Surgical Site	1,671	4.2	90	5.4	16.9	14.0	\$153,132	\$72,760
Gastrointestinal	3,963	2.5	389	9.8	15.2	12.0	\$114,563	\$56,765
Other Infections	965	0.6	86	8.9	16.9	13.0	\$142,379	\$74,839
Multiple	3,732	2.4	863	23.1	35.3	28.0	\$394,491	\$214,901
Cases without Infections	1,543,933	NA	32,403	2.1	4.4	3.0	\$33,260	\$18,538

† In almost all cases, hospitals do not receive full reimbursement of charges; on average statewide in 2006, for all inpatient cases (not just infections), hospitals were paid approximately 27% of established charges.

NA Not applicable.

Other Infections:

For all data tables, "Other Infections" include bone and joint, central nervous system, cardiovascular system, lower respiratory system (other than pneumonia), reproductive system, and skin and soft tissue infections.

Hospital-acquired Infections in Pennsylvania

Peer Group 1 Summary Data for Calendar Year 2006

	Number of Cases	Infection Rate per 1,000 Cases	Mortality		Average Length of Stay (in Days)		Average Charge †	
			Number	Percent	Mean	Median	Mean	Median
PEER GROUP 1	686,603	NA	15,366	2.2	4.9	3.0	\$48,747	\$25,465
Cases with Infections	15,632	22.8	2,030	13.0	22.1	16.0	\$241,575	\$118,606
Urinary Tract	7,266	10.6	507	7.0	17.2	13.0	\$156,757	\$82,093
Pneumonia	1,256	1.8	328	26.1	24.7	20.0	\$349,123	\$210,420
Bloodstream	1,764	2.6	371	21.0	24.6	20.0	\$286,491	\$179,029
Surgical Site	836	4.1	46	5.5	18.8	15.0	\$213,064	\$107,899
Gastrointestinal	1,730	2.5	169	9.8	17.2	14.0	\$163,173	\$88,022
Other Infections	448	0.7	44	9.8	19.4	16.0	\$188,552	\$113,626
Multiple	2,332	3.4	565	24.2	39.1	31.0	\$492,519	\$278,826
Cases without Infections	670,971	NA	13,336	2.0	4.5	3.0	\$44,254	\$24,898

Peer Group 2 Summary Data for Calendar Year 2006

	Number of Cases	Infection Rate per 1,000 Cases	Mortality		Average Length of Stay (in Days)		Average Charge †	
			Number	Percent	Mean	Median	Mean	Median
PEER GROUP 2	374,109	NA	8,758	2.3	4.5	3.0	\$30,850	\$18,002
Cases with Infections	6,766	18.1	800	11.8	16.9	13.0	\$118,776	\$61,308
Urinary Tract	2,868	7.7	148	5.2	13.4	11.0	\$78,960	\$44,120
Pneumonia	930	2.5	231	24.8	17.8	15.0	\$136,951	\$92,400
Bloodstream	558	1.5	112	20.1	21.6	18.0	\$179,321	\$116,511
Surgical Site	418	4.4	20	4.8	16.4	14.0	\$107,657	\$61,943
Gastrointestinal	948	2.5	92	9.7	14.1	12.0	\$83,027	\$46,845
Other Infections	256	0.7	24	9.4	15.4	12.0	\$119,334	\$69,443
Multiple	788	2.1	173	22.0	29.2	23.0	\$248,088	\$144,868
Cases without Infections	367,343	NA	7,958	2.2	4.3	3.0	\$29,230	\$17,696

† In almost all cases, hospitals do not receive full reimbursement of charges; on average statewide in 2006, for all inpatient cases (not just infections), hospitals were paid approximately 27% of established charges.

NA Not applicable.

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Peer Group 3 Summary Data for Calendar Year 2006

	Number of Cases	Infection Rate per 1,000 Cases	Mortality		Average Length of Stay (in Days)		Average Charge †	
			Number	Percent	Mean	Median	Mean	Median
PEER GROUP 3	421,872	NA	9,755	2.3	4.5	3.0	\$24,819	\$14,553
Cases with Infections	7,061	16.7	811	11.5	16.3	13.0	\$99,466	\$49,422
Urinary Tract	3,211	7.6	202	6.3	14.2	11.0	\$69,971	\$36,986
Pneumonia	953	2.3	202	21.2	17.0	14.0	\$114,650	\$68,947
Bloodstream	578	1.4	131	22.7	22.1	18.0	\$188,022	\$119,512
Surgical Site	337	4.0	22	6.5	13.9	12.0	\$86,232	\$51,831
Gastrointestinal	1,201	2.8	121	10.1	13.5	12.0	\$74,691	\$40,472
Other Infections	217	0.5	16	7.4	15.4	12.0	\$97,682	\$45,054
Multiple	564	1.3	117	20.7	29.0	22.0	\$212,329	\$120,734
Cases without Infections	414,811	NA	8,944	2.2	4.3	3.0	\$23,548	\$14,314

Peer Group 4 Summary Data for Calendar Year 2006

	Number of Cases	Infection Rate per 1,000 Cases	Mortality		Average Length of Stay (in Days)		Average Charge †	
			Number	Percent	Mean	Median	Mean	Median
PEER GROUP 4	91,586	NA	2,240	2.4	4.0	3.0	\$12,997	\$8,439
Cases with Infections	778	8.5	75	9.6	11.7	9.0	\$49,304	\$26,051
Urinary Tract	290	3.2	16	5.5	10.5	8.0	\$29,707	\$19,724
Pneumonia	187	2.0	29	15.5	11.0	9.0	\$47,425	\$37,780
Bloodstream	45	0.5	11	24.4	14.7	10.0	\$94,274	\$51,103
Surgical Site	80	5.3	2	2.5	11.8	9.0	\$46,268	\$30,463
Gastrointestinal	84	0.9	7	8.3	9.5	8.5	\$39,429	\$17,601
Other Infections	44	0.5	2	4.5	8.8	6.0	\$26,772	\$15,574
Multiple	48	0.5	8	16.7	24.3	16.0	\$175,851	\$81,849
Cases without Infections	90,808	NA	2,165	2.4	3.9	3.0	\$12,686	\$8,388

† In almost all cases, hospitals do not receive full reimbursement of charges; on average statewide in 2006, for all inpatient cases (not just infections), hospitals were paid approximately 27% of established charges.

NA Not applicable.

Hospital-acquired Infections in Pennsylvania

Statewide Comparison of Quarter 4 Data - CY 2005 & CY 2006

	Quarter 4, 2005		Quarter 4, 2006	
	Number of Cases	Infection Rate per 1,000 Cases	Number of Cases	Infection Rate per 1,000 Cases
STATEWIDE	382,807	NA	389,145	NA
Cases with the Following Infections	6,226	16.3	5,859	15.1
Urinary Tract	3,420	8.9	3,161	8.1
Pneumonia	776	2.0	756	1.9
Bloodstream	805	2.1	698	1.8
Surgical Site	536	5.4	352	3.5
Multiple	689	1.8	892	2.3

NA Not applicable.

Hospital-acquired Infections in Pennsylvania

Peer Group 1 Comparison of Quarter 4 Data - CY 2005 & CY 2006

	Quarter 4, 2005		Quarter 4, 2006	
	Number of Cases	Infection Rate per 1,000 Cases	Number of Cases	Infection Rate per 1,000 Cases
PEER GROUP 1	165,982	NA	170,842	NA
Cases with the Following Infections	3,266	19.7	3,062	17.9
Urinary Tract	1,799	10.8	1,661	9.7
Pneumonia	310	1.9	294	1.7
Bloodstream	471	2.8	415	2.4
Surgical Site	251	4.9	189	3.7
Multiple	435	2.6	503	2.9

Peer Group 2 Comparison of Quarter 4 Data - CY 2005 & CY 2006

	Quarter 4, 2005		Quarter 4, 2006	
	Number of Cases	Infection Rate per 1,000 Cases	Number of Cases	Infection Rate per 1,000 Cases
PEER GROUP 2	88,466	NA	91,919	NA
Cases with the Following Infections	1,423	16.1	1,318	14.3
Urinary Tract	776	8.8	674	7.3
Pneumonia	219	2.5	227	2.5
Bloodstream	161	1.8	115	1.3
Surgical Site	124	5.4	91	3.9
Multiple	143	1.6	211	2.3

NA Not applicable.

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Peer Group 3 Comparison of Quarter 4 Data - CY 2005 & CY 2006

	Quarter 4, 2005		Quarter 4, 2006	
	Number of Cases	Infection Rate per 1,000 Cases	Number of Cases	Infection Rate per 1,000 Cases
PEER GROUP 3	104,010	NA	103,843	NA
Cases with the Following Infections	1,372	13.2	1,326	12.8
Urinary Tract	770	7.4	758	7.3
Pneumonia	205	2.0	190	1.8
Bloodstream	163	1.6	152	1.5
Surgical Site	135	6.4	62	2.9
Multiple	99	1.0	164	1.6

Peer Group 4 Comparison of Quarter 4 Data - CY 2005 & CY 2006

	Quarter 4, 2005		Quarter 4, 2006	
	Number of Cases	Infection Rate per 1,000 Cases	Number of Cases	Infection Rate per 1,000 Cases
PEER GROUP 4	24,349	NA	22,541	NA
Cases with the Following Infections	165	6.8	153	6.8
Urinary Tract	75	3.1	68	3.0
Pneumonia	42	1.7	45	2.0
Bloodstream	10	0.4	16	0.7
Surgical Site	26	6.4	10	2.6
Multiple	12	0.5	14	0.6

NA Not applicable.