

Table of Surgical Site Infection Rates, by Type of Procedure and Depth of Infection, 2017^{1, 2, 3}

July 2019 download of January 2017 – December 2017 NHSN data

Hospitals	Type of Surgical Procedure																																		
	Abdominal Hysterectomy			Colon Surgery			Coronary Artery Bypass Graft						Heart Surgery			Hip Replacement						Knee Replacement													
							Chest and Secondary Incision Site			Chest Incision Only						Overall			Initial		Revision		Overall		Initial		Revision		Overall						
	Deep Rate	Total Rate	No. of Procedures	Deep Rate	Total Rate	No. of Procedures	Deep Rate	Total Rate	No. of Procedures	Deep Rate	Total Rate	No. of Procedures	Deep Rate	Total Rate	No. of Procedures	Deep Rate	Total Rate	No. of Procedures	Deep Rate	Total Rate	No. of Procedures	Deep Rate	Total Rate	No. of Procedures	Deep Rate	Total Rate	No. of Procedures	Deep Rate	Total Rate						
Kadlec Medical Center	0.00	0.00	57	1.12	3.35	179	0.46	1.39	216	-	-	<10	0.45	1.34	0.00	0.81	124	0.42	0.84	237	-	-	<10	0.41	0.82	0.00	0.45	220	0.00	0.00	10	0.00	0.43		
Kittitas Valley Healthcare																		0.00	4.35	46	-	-	<10	0.00	4.26	1.54	1.54	65	-	-	<10	1.52	1.52		
Lake Chelan Community Hospital	-	-	<10	-	-	<10																													
Legacy Salmon Creek Hospital	0.00	0.00	168	2.26	3.01	133												0.00	0.00	298	0.00	0.00	47	0.00	0.00	0.39	0.39	776	0.00	0.00	14	0.38	0.38		
Lincoln Hospital	-	-	<10	-	-	<10																													
Lourdes Health Network	0.00	0.00	40	-	-	<10												0.00	0.00	133	0.00	0.00	17	0.00	0.00	0.00	0.00	343	4.17	4.17	24	0.27	0.27		
Mary Bridge Children's Hospital				0.00	0.00	13							2.00	2.00	50																				
Mason General Hospital	0.00	0.00	10	-	-	<10												0.00	0.00	19	-	-	<10	0.00	0.00	0.00	0.00	44	-	-	<10	3.92	3.92		
Mid-Valley Hospital	-	-	<10	7.69	7.69	13																		5.56	5.56	36	-	-	<10	4.65	4.65				
Morton General Hospital				-	-	<10																													
MultiCare Auburn Medical Center	0.00	0.00	16	0.00	0.00	58												0.00	0.00	58	0.00	0.00	14	0.00	0.00	0.00	0.00	132	-	-	<10	0.00	0.00		
MultiCare Good Samaritan Hospital	1.85	1.85	54	1.18	1.78	169												1.26	1.26	238	0.00	0.00	32	1.11	1.11	0.00	0.00	361	0.00	0.00	14	0.00	0.00		
Newport Community Hospital ⁴																																			
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Northwest Hospital and Medical Center – UW Medicine	0.00	3.13	32	3.06	5.10	98				-	-	<10	-	-	-	-	-	<10	0.77	1.34	522	1.41	1.41	71	0.84	1.35	0.41	0.62	486	0.00	0.00	45	0.38	0.56	
Ocean Beach Hospital				-	-	<10													-	-	<10				0.00	0.00	-	-	<10				0.00	0.00	
Olympic Medical Center	0.00	0.00	54	0.00	10.45	67													0.93	0.93	108	-	-	<10	0.92	1.83	0.00	0.00	100	-	-	<10	0.00	0.00	
Othello Community Hospital	-	-	<10																																
Overlake Hospital Medical Center	0.79	1.58	379	2.17	3.42	322	0.00	0.00	175	-	-	<10	0.00	0.00	0.00	0.00	0.00	92	0.40	0.40	742	1.82	3.64	55	0.50	0.63	0.27	0.40	746	0.00	0.00	56	0.25	0.37	
PeaceHealth Saint John Medical Center	0.00	0.00	44	3.39	8.47	59													0.00	0.00	163	-	-	<10	0.00	0.00	0.00	0.00	183	0.00	0.00	11	0.00	0.00	
PeaceHealth Saint Joseph Medical Center	0.00	1.19	84	2.41	4.22	166	0.85	1.69	118	0.00	0.00	12	0.77	1.54	0.00	0.66	152	0.22	0.43	461	0.00	0.00	18	0.21	0.42	0.22	0.22	455	0.00	0.00	13	0.21	0.21		
PeaceHealth Southwest Medical Center	0.66	0.66	152	3.31	3.87	181	0.00	1.40	215	0.00	0.00	16	0.00	1.30	0.00	0.00	139	0.00	0.00	507	0.00	0.00	30	0.00	0.00	0.00	0.00	553	0.00	0.00	30	0.00	0.00		
PeaceHealth United General Hospital ⁴																																			
Prosser Memorial Hospital Medical Center	-	-	<10	-	-	<10													0.00	0.00	13	-	-	<10	0.00	0.00	4.65	4.65	43	-	-	<10	4.35	4.35	
Providence Centralia Hospital	0.00	9.09	11	7.32	7.32	41													0.00	0.92	109	-	-	<10	0.00	0.91	0.63	0.63	160	-	-	<10	0.62	0.62	
Providence Holy Family Hospital	0.00	2.13	47	1.72	4.31	116													1.19	1.19	252	4.00	4.00	25	1.44	1.44	0.41	0.61	491	0.00	0.00	54	0.37	0.55	
Providence Mount Carmel Hospital				-	-	<10													0.00	0.00	20				0.00	0.00	0.00	0.00	35	-	-	<10	0.00	0.00	
Providence Regional Medical Center Everett	0.36	0.36	551	2.72	3.32	331	1.18	1.57	254	0.00	5.56	18	1.10	1.84	0.00	0.00	116	0.29	0.57	697	0.00	0.00	24	0.28	0.55	0.41	0.41	724	2.27	2.27	44	0.52	0.52		

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Providence Sacred Heart Medical Center	1.67	3.06	360	4.08	5.52	417	0.24	0.24	424	0.00	0.00	34	0.22	0.22	0.36	0.36	549	0.65	1.16	773	1.64	1.64	61	0.72	1.20	0.00	0.25	791	0.00	0.00	62	0.00	0.23	
Providence Saint Mary Medical Center	0.00	0.00	31	0.00	0.00	49												0.00	0.00	188	-	-	<10	0.00	0.00	0.41	0.41	241	0.00	0.00	21	0.38	0.38	
Providence Saint Peter Hospital	1.29	1.94	155	3.24	5.09	216	1.46	3.88	206	0.00	0.00	21	1.32	3.52	0.85	1.69	118	0.60	0.81	496	0.00	0.00	18	0.58	0.78	0.28	0.56	711	1.35	2.70	74	0.38	0.76	
Pullman Regional Hospital	0.00	0.00	45	-	-	<10												0.00	0.00	54	-	-	<10	0.00	0.00	1.22	1.22	164	-	-	<10	1.19	1.19	
Saint Anthony Hospital	1.28	1.71	234	3.33	3.33	90												0.00	0.69	291	-	-	<10	0.00	0.67	0.28	0.85	351	-	-	<10	0.28	1.11	
Saint Clare Hospital	0.00	0.00	57	0.00	8.11	37												0.41	0.41	241	0.00	0.00	10	0.40	0.40	0.60	1.20	167	0.00	0.00	10	0.56	1.13	
Saint Elizabeth Hospital	0.00	0.00	12	-	-	<10												0.00	0.00	50	-	-	<10	0.00	0.00	2.41	2.41	83	-	-	<10	2.17	2.17	
Saint Francis Hospital	0.00	0.00	69	4.17	5.56	72												3.13	4.17	96	-	-	<10	3.06	4.08	0.00	0.00	116	-	-	<10	0.00	0.00	
Saint Joseph Medical Center	0.32	1.13	617	1.62	2.91	309	0.68	0.68	296	4.76	4.76	21	0.95	0.95	0.39	0.39	254	2.12	3.03	330	3.45	3.45	29	2.23	3.06	0.77	1.02	391	0.00	0.00	19	0.73	0.98	
Samaritan Healthcare	4.35	8.70	23	5.41	10.81	37												0.00	1.85	54	-	-	<10	0.00	1.79	0.00	0.00	112	-	-	<10	0.00	0.00	
Seattle Children's Hospital	-	-	<10	3.00	9.00	100								2.81	2.81	285	-	-	<10						0.00	0.00	-	-	<10	-	-	<10	0.00	0.00
Shriners Hospital for Children Spokane ⁴																																		
Skagit Valley Hospital	0.00	0.00	25	1.54	1.54	65												0.00	0.00	87	-	-	<10	0.00	0.00	0.00	0.00	132	-	-	<10	0.00	0.00	
Skyline Hospital ⁴																																		

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Sunnyside Community Hospital	0.00	0.00	11	-	-	<10																							6.67	6.67	15	-	-	<10	5.56	5.56	0.00	0.00	20	-	-	<10	4.00	4.00		
Swedish Ballard	0.00	0.00	16																										0.00	0.58	344	0.00	0.00	11	0.00	0.56	0.00	0.00	182	-	-	<10	0.00	0.00		
Swedish Cherry Hill				-	-	<10	0.69	1.39	432	0.00	0.00	58	0.61	1.22	0.72	1.07	559																													
Swedish Edmonds	0.00	0.00	69	0.00	0.94	106																							0.93	1.86	215	0.00	0.00	10	0.89	1.78	0.43	0.43	232	0.00	0.00	10	0.41	0.41		
Swedish First Hill	1.07	1.55	841	6.41	10.26	546																							0.16	0.32	1251	0.00	0.00	93	0.15	0.30	0.38	0.51	1560	1.54	1.54	130	0.47	0.59		
Swedish Issaquah	0.91	0.91	110	6.38	8.51	94																							0.49	0.98	204	-	-	<10	0.47	0.94	0.00	0.00	207	0.00	0.00	11	0.00	0.00		
Tacoma General Hospital / Allenmore Hospital	0.00	0.00	61	1.15	1.15	174	0.00	0.00	206	0.00	0.00	16	0.00	0.00	0.00	0.00	165	1.75	1.75	57	3.57	3.57	28	2.35	2.35	0.00	0.00	63	-	-	<10	0.00	0.00													
Three-Rivers Hospital																													-	-	<10				0.00	0.00	-	-	<10	-	-	<10	0.00	0.00		
Toppenish Community Hospital	-	-	<10	-	-	<10																																								
Tri-State Memorial Hospital	-	-	<10	8.33	8.33	12																							0.00	0.00	109	0.00	0.00	14	0.00	0.00	0.97	0.97	207	9.09	18.18	11	1.38	1.83		
Trios Health / Southridge Hospitals	0.00	2.27	44	1.56	7.81	64																							0.00	0.87	115	0.00	0.00	12	0.00	0.79	0.58	0.58	173	0.00	0.00	18	0.52	0.52		
University of Washington Medical Center	1.00	1.50	200	0.89	0.89	336	0.00	0.00	66	0.00	0.00	11	0.00	0.00	0.00	0.00	283	0.00	0.00	23	-	-	<10	0.00	0.00	0.00	0.00	19	-	-	<10	0.00	0.00													
Valley General Hospital	-	-	<10	0.00	0.00	10																							0.00	0.00	33	-	-	<10	0.00	0.00	0.00	0.00	58	-	-	<10	0.00	1.54		
Valley Hospital	0.00	0.00	46	6.90	6.90	58																							0.00	0.35	288	-	-	<10	0.00	0.34	0.00	0.00	394	0.00	0.00	22	0.00	0.00		

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Valley Medical Center – UW Medicine	0.46	0.46	216	2.03	4.05	148																							1.26	1.44	554	2.50	5.00	40	1.35	1.68	0.79	0.79	632	1.69	1.69	59	0.87	0.87
Virginia Mason Medical Center	0.00	1.21	165	5.28	8.54	246	0.48	1.91	209	0.00	0.00	11	0.45	1.82	0.00	0.90	111	0.00	0.79	506	7.69	7.69	13	0.19	0.96	0.47	0.78	644	8.33	8.33	12	0.61	0.91											
Wenatchee Valley Medical Center	0.00	0.00	102	-	-	<10																							0.00	0.00	19				0.00	0.00	0.00	0.00	29				0.00	0.00
Whidbey General Hospital	-	-	<10	2.78	5.56	36																							3.45	3.45	29				3.45	3.45	3.85	3.85	26	-	-	<10	3.70	3.70
Whitman Hospital and Medical Center				-	-	<10																							-	-	<10	-	-	<10	0.00	0.00	0.00	0.00	22	-	-	<10	0.00	0.00
Willapa Harbor Hospital				-	-	<10																																						
Yakima Regional Medical and Cardiac Center	-	-	<10	0.00	0.00	18	0.74	0.74	136	-	-	<10	0.72	0.72	6.90	6.90	29	0.00	0.00	25	-	-	<10	0.00	0.00	0.00	0.00	45				0.00	0.00											
Yakima Valley Memorial Hospital	0.00	0.00	35	0.00	0.00	77																						1.17	1.17	256	-	-	<10	1.15	1.15	0.33	0.33	299	8.33	8.33	12	0.64	0.64	

Table Notes:

1. Rates are the number of surgical site infections (SSI) divided by the number of similar surgical procedures during the year (infections per 100 procedures). Red colored cells indicate a statistically significant higher surgical infection rate, for that infection depth, than other Washington hospitals. White rate cells have infection rates similar to other hospitals. Light grey cells indicate hospitals do not report performing that type of surgical procedure. For facilities that performed less than 10 procedures in a procedure category, a meaningful rate could not be calculated so rates were not shown for these facilities.
2. Depth of infection classification:

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- a. The deep infection rate includes surgical wound infections occurring well below the skin and subcutaneous tissue, affecting muscles, organs, or bones (“deep incisional” and “organ/space” SSI per NHSN). Deep infections may be severe and can be difficult to treat often requiring antibiotics and a return visit to a hospital.
 - b. The total infection rate includes deep infections as well as shallow surgical wound infections occurring within the skin and subcutaneous tissue (“superficial incisional” SSI per NHSN). Shallow infections can be more easily treated, often without hospitalization and may not require antibiotics.
 - c. Note – Rates for deep and total infections from the same procedure type use the same denominator (number of procedures performed) during the reporting period.
3. Details of certain specific surgical procedure types are included in this table (coronary artery bypass graft procedures by incision sites and initial vs. revision joint replacement procedures). Hospitals are compared by their “overall” infection rates in these categories to compare Washington hospitals more accurately.
 4. Facility reported less than 12 months of SSI data during the data collection year. Facilities that reported less than 6 months of data were excluded from statistical significance calculations.