

## AHRQ Quality Indicators

# **AHRQ Quality Indicator: Comparative Data for the PSI based on the 2008 Nationwide Inpatient Sample (NIS)**

Department of Health and Human Services  
Agency for Healthcare Research and Quality  
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PSI- Provider Rates

INDICATOR	LABEL	NUMERATOR	DENOMINATOR	RATE (OBSERVED) PER 100 (=Observed rate*100)	RISK ADJUSTED RATE PER 100 =(RiskAdjustedRate*100)
PS02	DEATH IN LOW MORTALITY DRGS	483	1,689,715	0.03	0.03
PS03	PRESSURE ULCER (DECUBITUS ULCER)	24,456	1,678,497	1.46	1.67
PS04	DEATH AMONG SURGICAL (FAILURE TO RESCUE)	7,340	57,766	12.71	12.84
PS05	FOREIGN BODY LEFT IN DURING PROCEDURE	184	184	100.00	
PS06	IATROGENIC PNEUMOTHORAX	2,736	5,533,660	0.05	0.05
PS07	CENTRAL LINE ASSOCIATED BSI (SELECTED INFECTIONS DUE TO MEDICAL CARE)	3,917	4,560,290	0.09	0.11
PS08	POSTOPERATIVE HIP FRACTURE	90	1,039,092	0.01	0.01
PS09	POSTOPERATIVE HEMORRHAGE OR HEMATOMA	4,432	1,735,432	0.26	0.34
PS10	POSTOPERATIVE PHYSIOLOGIC METABOLIC DERANGEMENTS	706	854,200	0.08	0.08
PS11	POSTOPERATIVE RESPIRATORY FAILURE	6,548	706,655	0.93	0.98
PS12	POSTOPERATIVE PULMONARY EMBOLISM OR DEEP VEIN THROMBOSIS	16,649	1,734,201	0.96	0.94
PS13	POSTOPERATIVE SEPSIS	2,057	159,441	1.29	1.27
PS14	POSTOPERATIVE WOUND DEHISCENCE IN ABDOMINOPELVIC SURGICAL PATIENTS	636	292,395	0.22	0.21
PS15	ACCIDENTAL PUNCTURE/LACERATION	17,510	5,742,952	0.30	0.30
PS16	TRANSFUSION REACTION	27	27	100.00	
PS18	OBSTETRIC TRAUMA - VAGINAL DELIVERY WITH INSTRUMENT	6,965	47,580	14.64	14.64
PS19	OBSTETRIC TRAUMA - VAGINAL DELIVERY WITHOUT INSTRUMENT	12,743	535,850	2.38	2.38

PSI- Provider Rates (Males)

INDICATOR	LABEL	NUMERATOR	DENOMINATOR	RATE (OBSERVED) PER 100 (=Observed rate*100)
PS02	DEATH IN LOW MORTALITY DRGS	179	279,614	0.06
PS03	PRESSURE ULCER (DECUBITUS ULCER)	11,096	766,907	1.45
PS04	DEATH AMONG SURGICAL (FAILURE TO RESCUE)	4,028	29,332	13.73
PS05	FOREIGN BODY LEFT IN DURING PROCEDURE	89	89	100.00
PS06	IATROGENIC PNEUMOTHORAX	1,150	2,509,302	0.05
PS07	CENTRAL LINE ASSOCIATED BSI (SELECTED INFECTIONS DUE TO MEDICAL CARE)	1,934	1,642,832	0.12
PS08	POSTOPERATIVE HIP FRACTURE	42	488,045	0.01
PS09	POSTOPERATIVE HEMORRHAGE OR HEMATOMA	2,218	800,845	0.28
PS10	POSTOPERATIVE PHYSIOLOGIC METABOLIC DERANGEMENTS	403	363,535	0.11
PS11	POSTOPERATIVE RESPIRATORY FAILURE	3,340	270,430	1.24
PS12	POSTOPERATIVE PULMONARY EMBOLISM OR DEEP VEIN THROMBOSIS	8,368	800,047	1.05
PS13	POSTOPERATIVE SEPSIS	1,082	70,516	1.53
PS14	POSTOPERATIVE WOUND DEHISCENCE IN ABDOMINOPELVIC SURGICAL PATIENTS	437	107,778	0.41
PS15	ACCIDENTAL PUNCTURE/LACERATION	6,782	2,632,674	0.26
PS16	TRANSFUSION REACTION	15	15	100.00
PS18	OBSTETRIC TRAUMA - VAGINAL DELIVERY WITH INSTRUMENT			
PS19	OBSTETRIC TRAUMA - VAGINAL DELIVERY WITHOUT INSTRUMENT			

PSI- Provider Rates (Females)

INDICATOR	LABEL	NUMERATOR	DENOMINATOR	RATE (OBSERVED) PER 100 (=Observed rate*100)
PS02	DEATH IN LOW MORTALITY DRGS	304	1,410,101	0.02
PS03	PRESSURE ULCER (DECUBITUS ULCER)	13,360	911,590	1.47
PS04	DEATH AMONG SURGICAL (FAILURE TO RESCUE)	3,312	28,435	11.65
PS05	FOREIGN BODY LEFT IN DURING PROCEDURE	95	95	100.00
PS06	IATROGENIC PNEUMOTHORAX	1,586	3,024,358	0.05
PS07	CENTRAL LINE ASSOCIATED BSI (SELECTED INFECTIONS DUE TO MEDICAL CARE)	1,983	2,917,459	0.07
PS08	POSTOPERATIVE HIP FRACTURE	49	551,047	0.01
PS09	POSTOPERATIVE HEMORRHAGE OR HEMATOMA	2,214	934,588	0.24
PS10	POSTOPERATIVE PHYSIOLOGIC METABOLIC DERANGEMENTS	303	490,665	0.06
PS11	POSTOPERATIVE RESPIRATORY FAILURE	3,209	436,225	0.74
PS12	POSTOPERATIVE PULMONARY EMBOLISM OR DEEP VEIN THROMBOSIS	8,281	934,154	0.89
PS13	POSTOPERATIVE SEPSIS	976	88,926	1.10
PS14	POSTOPERATIVE WOUND DEHISCENCE IN ABDOMINOPELVIC SURGICAL PATIENTS	199	184,617	0.11
PS15	ACCIDENTAL PUNCTURE/LACERATION	10,728	3,110,278	0.34
PS16	TRANSFUSION REACTION	12	12	100.00
PS18	OBSTETRIC TRAUMA - VAGINAL DELIVERY WITH INSTRUMENT	6,965	47,580	14.64
PS19	OBSTETRIC TRAUMA - VAGINAL DELIVERY WITHOUT INSTRUMENT	12,743	535,850	2.38

PSI- Provider Rates (Ages 0 to 17)

INDICATOR	LABEL	NUMERATOR	DENOMINATOR	RATE (OBSERVED) PER 100 (=Observed rate*100)
PS02	DEATH IN LOW MORTALITY DRGS	***** <sup>1</sup>	***** <sup>1</sup>	***** <sup>1</sup>
PS03	PRESSURE ULCER (DECUBITUS ULCER)			
PS04	DEATH AMONG SURGICAL (FAILURE TO RESCUE)	***** <sup>1</sup>	***** <sup>1</sup>	***** <sup>1</sup>
PS05	FOREIGN BODY LEFT IN DURING PROCEDURE	***** <sup>1</sup>	***** <sup>1</sup>	***** <sup>1</sup>
PS06	IATROGENIC PNEUMOTHORAX			
PS07	CENTRAL LINE ASSOCIATED BSI (SELECTED INFECTIONS DUE TO MEDICAL CARE)	***** <sup>1</sup>	***** <sup>1</sup>	***** <sup>1</sup>
PS08	POSTOPERATIVE HIP FRACTURE			
PS09	POSTOPERATIVE HEMORRHAGE OR HEMATOMA			
PS10	POSTOPERATIVE PHYSIOLOGIC METABOLIC DERANGEMENTS			
PS11	POSTOPERATIVE RESPIRATORY FAILURE			
PS12	POSTOPERATIVE PULMONARY EMBOLISM OR DEEP VEIN THROMBOSIS			
PS13	POSTOPERATIVE SEPSIS			
PS14	POSTOPERATIVE WOUND DEHISCENCE IN ABDOMINOPELVIC SURGICAL PATIENTS			
PS15	ACCIDENTAL PUNCTURE/LACERATION			
PS16	TRANSFUSION REACTION			
PS18	OBSTETRIC TRAUMA - VAGINAL DELIVERY WITH INSTRUMENT	287	2,312	12.41
PS19	OBSTETRIC TRAUMA - VAGINAL DELIVERY WITHOUT INSTRUMENT	517	19,720	2.62

<sup>1</sup> Cell entry fewer than 10, rate is unavailable.

PSI- Provider Rates (Ages 18 to 39)

INDICATOR	LABEL	NUMERATOR	DENOMINATOR	RATE (OBSERVED) PER 100 (=Observed rate*100)
PS02	DEATH IN LOW MORTALITY DRGS	107	1,082,254	0.01
PS03	PRESSURE ULCER (DECUBITUS ULCER)	644	178,268	0.36
PS04	DEATH AMONG SURGICAL (FAILURE TO RESCUE)	312	4,800	6.50
PS05	FOREIGN BODY LEFT IN DURING PROCEDURE	36	36	100.00
PS06	IATROGENIC PNEUMOTHORAX	251	761,398	0.03
PS07	CENTRAL LINE ASSOCIATED BSI (SELECTED INFECTIONS DUE TO MEDICAL CARE)	575	1,309,482	0.04
PS08	POSTOPERATIVE HIP FRACTURE	***** <sup>2</sup>	***** <sup>2</sup>	***** <sup>2</sup>
PS09	POSTOPERATIVE HEMORRHAGE OR HEMATOMA	548	228,358	0.24
PS10	POSTOPERATIVE PHYSIOLOGIC METABOLIC DERANGEMENTS	38	91,937	0.04
PS11	POSTOPERATIVE RESPIRATORY FAILURE	395	87,130	0.45
PS12	POSTOPERATIVE PULMONARY EMBOLISM OR DEEP VEIN THROMBOSIS	1,340	229,069	0.58
PS13	POSTOPERATIVE SEPSIS	124	12,734	0.97
PS14	POSTOPERATIVE WOUND DEHISCENCE IN ABDOMINOPELVIC SURGICAL PATIENTS	52	46,220	0.11
PS15	ACCIDENTAL PUNCTURE/LACERATION	2,061	775,788	0.27
PS16	TRANSFUSION REACTION	***** <sup>2</sup>	***** <sup>2</sup>	***** <sup>2</sup>
PS18	OBSTETRIC TRAUMA - VAGINAL DELIVERY WITH INSTRUMENT	6,543	44,216	14.80
PS19	OBSTETRIC TRAUMA - VAGINAL DELIVERY WITHOUT INSTRUMENT	12,045	505,362	2.38

<sup>2</sup> Cell entry fewer than 10, rate is unavailable.

PSI- Provider Rates (Ages 40 to 64)

INDICATOR	LABEL	NUMERATOR	DENOMINATOR	RATE (OBSERVED) PER 100 (=Observed rate*100)
PS02	DEATH IN LOW MORTALITY DRGS	98	367,801	0.03
PS03	PRESSURE ULCER (DECUBITUS ULCER)	5,272	581,675	0.91
PS04	DEATH AMONG SURGICAL (FAILURE TO RESCUE)	2,149	21,157	10.16
PS05	FOREIGN BODY LEFT IN DURING PROCEDURE	75	75	100.00
PS06	IATROGENIC PNEUMOTHORAX	917	2,130,910	0.04
PS07	CENTRAL LINE ASSOCIATED BSI (SELECTED INFECTIONS DUE TO MEDICAL CARE)	1,606	1,429,666	0.11
PS08	POSTOPERATIVE HIP FRACTURE	12	477,710	0.00
PS09	POSTOPERATIVE HEMORRHAGE OR HEMATOMA	1,948	767,759	0.25
PS10	POSTOPERATIVE PHYSIOLOGIC METABOLIC DERANGEMENTS	301	407,813	0.07
PS11	POSTOPERATIVE RESPIRATORY FAILURE	2,504	349,162	0.72
PS12	POSTOPERATIVE PULMONARY EMBOLISM OR DEEP VEIN THROMBOSIS	6,397	767,463	0.83
PS13	POSTOPERATIVE SEPSIS	755	69,470	1.09
PS14	POSTOPERATIVE WOUND DEHISCENCE IN ABDOMINOPELVIC SURGICAL PATIENTS	257	146,210	0.18
PS15	ACCIDENTAL PUNCTURE/LACERATION	8,044	2,186,789	0.37
PS16	TRANSFUSION REACTION	16	16	100.00
PS18	OBSTETRIC TRAUMA - VAGINAL DELIVERY WITH INSTRUMENT	135	1,052	12.83
PS19	OBSTETRIC TRAUMA - VAGINAL DELIVERY WITHOUT INSTRUMENT	181	10,768	1.68



PSI- Provider Rates (Ages 65 to 74)

INDICATOR	LABEL	NUMERATOR	DENOMINATOR	RATE (OBSERVED) PER 100 (=Observed rate*100)
PS02	DEATH IN LOW MORTALITY DRGS	54	83,994	0.06
PS03	PRESSURE ULCER (DECUBITUS ULCER)	4,968	321,219	1.55
PS04	DEATH AMONG SURGICAL (FAILURE TO RESCUE)	1,783	14,049	12.69
PS05	FOREIGN BODY LEFT IN DURING PROCEDURE	43	43	100.00
PS06	IATROGENIC PNEUMOTHORAX	535	995,455	0.05
PS07	CENTRAL LINE ASSOCIATED BSI (SELECTED INFECTIONS DUE TO MEDICAL CARE)	770	636,619	0.12
PS08	POSTOPERATIVE HIP FRACTURE	23	210,235	0.01
PS09	POSTOPERATIVE HEMORRHAGE OR HEMATOMA	916	362,846	0.25
PS10	POSTOPERATIVE PHYSIOLOGIC METABOLIC DERANGEMENTS	188	198,763	0.09
PS11	POSTOPERATIVE RESPIRATORY FAILURE	1,792	153,172	1.17
PS12	POSTOPERATIVE PULMONARY EMBOLISM OR DEEP VEIN THROMBOSIS	3,999	362,212	1.10
PS13	POSTOPERATIVE SEPSIS	551	41,338	1.33
PS14	POSTOPERATIVE WOUND DEHISCENCE IN ABDOMINOPELVIC SURGICAL PATIENTS	161	51,155	0.31
PS15	ACCIDENTAL PUNCTURE/LACERATION	3,640	1,045,309	0.35
PS16	TRANSFUSION REACTION	***** <sup>3</sup>	***** <sup>3</sup>	***** <sup>3</sup>
PS18	OBSTETRIC TRAUMA - VAGINAL DELIVERY WITH INSTRUMENT			
PS19	OBSTETRIC TRAUMA - VAGINAL DELIVERY WITHOUT INSTRUMENT			

<sup>3</sup> Cell entry fewer than 10, rate is unavailable.

PSI- Provider Rates (Ages 75+)

INDICATOR	LABEL	NUMERATOR	DENOMINATOR	RATE (OBSERVED) PER 100 (=Observed rate*100)
PS02	DEATH IN LOW MORTALITY DRGS	223	123,849	0.18
PS03	PRESSURE ULCER (DECUBITUS ULCER)	13,571	597,335	2.27
PS04	DEATH AMONG SURGICAL (FAILURE TO RESCUE)	3,095	17,735	17.45
PS05	FOREIGN BODY LEFT IN DURING PROCEDURE	29	29	100.00
PS06	IATROGENIC PNEUMOTHORAX	1,033	1,645,896	0.06
PS07	CENTRAL LINE ASSOCIATED BSI (SELECTED INFECTIONS DUE TO MEDICAL CARE)	966	1,156,548	0.08
PS08	POSTOPERATIVE HIP FRACTURE	54	195,796	0.03
PS09	POSTOPERATIVE HEMORRHAGE OR HEMATOMA	1,020	376,469	0.27
PS10	POSTOPERATIVE PHYSIOLOGIC METABOLIC DERANGEMENTS	178	155,687	0.11
PS11	POSTOPERATIVE RESPIRATORY FAILURE	1,858	117,192	1.59
PS12	POSTOPERATIVE PULMONARY EMBOLISM OR DEEP VEIN THROMBOSIS	4,913	375,457	1.31
PS13	POSTOPERATIVE SEPSIS	628	35,900	1.75
PS14	POSTOPERATIVE WOUND DEHISCENCE IN ABDOMINOPELVIC SURGICAL PATIENTS	166	48,809	0.34
PS15	ACCIDENTAL PUNCTURE/LACERATION	3,764	1,735,066	0.22
PS16	TRANSFUSION REACTION	***** <sup>4</sup>	***** <sup>4</sup>	***** <sup>4</sup>
PS18	OBSTETRIC TRAUMA - VAGINAL DELIVERY WITH INSTRUMENT			
PS19	OBSTETRIC TRAUMA - VAGINAL DELIVERY WITHOUT INSTRUMENT			

<sup>4</sup> Cell entry fewer than 10, rate is unavailable.

PSI- Provider Rates (Payer: Medicare)

INDICATOR	LABEL	NUMERATOR	DENOMINATOR	RATE (OBSERVED) PER 100 (=Observed rate*100)	RISK ADJUSTED RATE PER 100 =(RiskAdjustedRate*100)
PS02	DEATH IN LOW MORTALITY DRGS	284	271,165	0.10	0.03
PS03	PRESSURE ULCER (DECUBITUS ULCER)	19,004	985,853	1.93	1.87
PS04	DEATH AMONG SURGICAL (FAILURE TO RESCUE)	4,841	32,410	14.94	13.04
PS05	FOREIGN BODY LEFT IN DURING PROCEDURE	72	72	100.00	
PS06	IATROGENIC PNEUMOTHORAX	1,619	2,826,135	0.06	0.05
PS07	CENTRAL LINE ASSOCIATED BSI (SELECTED INFECTIONS DUE TO MEDICAL CARE)	2,044	1,915,092	0.11	0.12
PS08	POSTOPERATIVE HIP FRACTURE	78	419,965	0.02	0.02
PS09	POSTOPERATIVE HEMORRHAGE OR HEMATOMA	2,131	753,128	0.28	0.38
PS10	POSTOPERATIVE PHYSIOLOGIC METABOLIC DERANGEMENTS	413	357,227	0.12	0.09
PS11	POSTOPERATIVE RESPIRATORY FAILURE	3,801	274,009	1.39	1.10
PS12	POSTOPERATIVE PULMONARY EMBOLISM OR DEEP VEIN THROMBOSIS	9,235	751,314	1.23	0.96
PS13	POSTOPERATIVE SEPSIS	1,161	77,340	1.50	1.26
PS14	POSTOPERATIVE WOUND DEHISCENCE IN ABDOMINOPELVIC SURGICAL PATIENTS	326	100,601	0.32	0.22
PS15	ACCIDENTAL PUNCTURE/LACERATION	7,516	2,959,513	0.25	0.28
PS16	TRANSFUSION REACTION	13	13	100.00	
PS18	OBSTETRIC TRAUMA - VAGINAL DELIVERY WITH INSTRUMENT	40	320	12.50	12.50
PS19	OBSTETRIC TRAUMA - VAGINAL DELIVERY WITHOUT INSTRUMENT	60	3,502	1.71	1.71

PSI- Provider Rates (Payer: Medicaid)

INDICATOR	LABEL	NUMERATOR	DENOMINATOR	RATE (OBSERVED) PER 100 (=Observed rate*100)	RISK ADJUSTED RATE PER 100 =(RiskAdjustedRate*100)
PS02	DEATH IN LOW MORTALITY DRGS	80	502,308	0.02	0.04
PS03	PRESSURE ULCER (DECUBITUS ULCER)	1,699	173,012	0.98	1.71
PS04	DEATH AMONG SURGICAL (FAILURE TO RESCUE)	515	4,690	10.98	13.95
PS05	FOREIGN BODY LEFT IN DURING PROCEDURE	22	22	100.00	
PS06	IATROGENIC PNEUMOTHORAX	230	536,117	0.04	0.05
PS07	CENTRAL LINE ASSOCIATED BSI (SELECTED INFECTIONS DUE TO MEDICAL CARE)	574	719,922	0.08	0.14
PS08	POSTOPERATIVE HIP FRACTURE	**** <sup>5</sup>	**** <sup>5</sup>	**** <sup>5</sup>	**** <sup>5</sup>
PS09	POSTOPERATIVE HEMORRHAGE OR HEMATOMA	384	116,064	0.33	0.38
PS10	POSTOPERATIVE PHYSIOLOGIC METABOLIC DERANGEMENTS	44	42,784	0.10	0.12
PS11	POSTOPERATIVE RESPIRATORY FAILURE	456	35,818	1.27	1.49
PS12	POSTOPERATIVE PULMONARY EMBOLISM OR DEEP VEIN THROMBOSIS	1,284	115,947	1.11	1.11
PS13	POSTOPERATIVE SEPSIS	134	9,135	1.47	1.70
PS14	POSTOPERATIVE WOUND DEHISCENCE IN ABDOMINOPELVIC SURGICAL PATIENTS	50	23,020	0.22	0.26
PS15	ACCIDENTAL PUNCTURE/LACERATION	1,295	554,564	0.23	0.30
PS16	TRANSFUSION REACTION	**** <sup>5</sup>	**** <sup>5</sup>	**** <sup>5</sup>	**** <sup>5</sup>
PS18	OBSTETRIC TRAUMA - VAGINAL DELIVERY WITH INSTRUMENT	1,978	17,796	11.11	11.11
PS19	OBSTETRIC TRAUMA - VAGINAL DELIVERY WITHOUT INSTRUMENT	3,829	225,029	1.70	1.70

<sup>5</sup> Cell entry fewer than 10, rate is unavailable.

PSI- Provider Rates (Payer: Other)

INDICATOR	LABEL	NUMERATOR	DENOMINATOR	RATE (OBSERVED) PER 100 (=Observed rate*100)	RISK ADJUSTED RATE PER 100 =(RiskAdjustedRate*100)
PS02	DEATH IN LOW MORTALITY DRGS	117	907,195	0.01	0.02
PS03	PRESSURE ULCER (DECUBITUS ULCER)	3,704	509,684	0.73	1.07
PS04	DEATH AMONG SURGICAL (FAILURE TO RESCUE)	1,953	20,480	9.54	12.06
PS05	FOREIGN BODY LEFT IN DURING PROCEDURE	90	90	100.00	
PS06	IATROGENIC PNEUMOTHORAX	877	2,133,957	0.04	0.04
PS07	CENTRAL LINE ASSOCIATED BSI (SELECTED INFECTIONS DUE TO MEDICAL CARE)	1,271	1,896,867	0.07	0.10
PS08	POSTOPERATIVE HIP FRACTURE	***** <sup>6</sup>	***** <sup>6</sup>	***** <sup>6</sup>	***** <sup>6</sup>
PS09	POSTOPERATIVE HEMORRHAGE OR HEMATOMA	1,893	856,969	0.22	0.31
PS10	POSTOPERATIVE PHYSIOLOGIC METABOLIC DERANGEMENTS	247	451,466	0.05	0.07
PS11	POSTOPERATIVE RESPIRATORY FAILURE	2,282	394,415	0.58	0.79
PS12	POSTOPERATIVE PULMONARY EMBOLISM OR DEEP VEIN THROMBOSIS	6,088	857,646	0.71	0.88
PS13	POSTOPERATIVE SEPSIS	762	72,500	1.05	1.24
PS14	POSTOPERATIVE WOUND DEHISCENCE IN ABDOMINOPELVIC SURGICAL PATIENTS	256	166,870	0.15	0.20
PS15	ACCIDENTAL PUNCTURE/LACERATION	8,601	2,190,039	0.39	0.32
PS16	TRANSFUSION REACTION	11	11	100.00	
PS18	OBSTETRIC TRAUMA - VAGINAL DELIVERY WITH INSTRUMENT	4,937	29,391	16.80	16.80
PS19	OBSTETRIC TRAUMA - VAGINAL DELIVERY WITHOUT INSTRUMENT	8,834	306,322	2.88	2.88

<sup>6</sup> Cell entry fewer than 10, rate is unavailable.