



Patient Safety Indicators (PSI) Benchmark Data Tables, v2023

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Introduction

The data presented in this document are nationwide comparative rates for Version 2023 of the Agency for Healthcare Research and Quality (AHRQ) Quality Indicators (QI) Patient Safety Indicators (PSI) software. The numerators, denominators, and observed rates shown in this document are based on an analysis of discharge data from the 2019, 2020, and 2021 AHRQ Healthcare Cost and Utilization Project (HCUP) State Inpatient Databases (SID).

HCUP is a family of healthcare databases and related software tools and products developed through a Federal-State-Industry partnership. HCUP includes the largest collection of longitudinal hospital care data in the United States, with all-payer, encounter-level information beginning in 1988. The SID contains all-payer, encounter-level information on inpatient discharges, including clinical and resource information typically found on a billing record, such as patient demographics, up to 30 *International Classification of Diseases, Tenth Revision, Clinical Modification/Procedural Classification System (ICD-10-CM/PCS)* diagnoses and procedures, length of stay, expected payer, admission and discharge dates, and discharge disposition. In 2020, the HCUP databases represented more than 96 percent of all annual discharges in the United States.

The analytic dataset used to generate the tables in this document consists of the same hospital discharge records that comprise the reference population for Version 2023 of the AHRQ QI software. This reference population file was limited to community hospitals and also excludes rehabilitation and long-term acute care (LTAC) hospitals. Information on the type of hospital was obtained by the American Hospital Association (AHA) Annual Survey of Hospitals. AHA defines community hospitals as “all non-Federal, short-term, general, and other specialty hospitals, excluding hospital units of institutions.” Included among community hospitals are specialty hospitals such as obstetrics-gynecology, ear-nose-throat, orthopedic, and pediatric institutions. Also included are public hospitals and academic medical centers.

There are indicators of the diagnoses being present on admission (POA) in the SID for 46 states in 2019, 47 states in 2020, and 27 states in 2021, while 3 additional states are excluded due to incomplete information in the PRDAY data element in 2019 and 2020 and one additional state is excluded in 2021.¹ Discharges from these participating states are used to develop hospital-level indicators.² Edit checks on POA were developed during an HCUP evaluation of POA coding in the 2011 SID at hospitals that were required to report POA to the Centers for Medicare & Medicaid Services (CMS, <http://www.hcup-us.ahrq.gov/reports/methods/2015-06.pdf>). The edits identify general patterns of suspect reporting of POA. The edits do not evaluate whether a valid POA value (e.g., Y or N) is appropriate for the specific diagnosis. There are three hospital-level edit checks:

¹Only 27 states with POA indicators in the 2021 SID were available at the time of development of v2023.

²States with data from 2019 included in the reference population for the hospital-level indicators are AK, AR, AZ, CA, CO, DC, DE, FL, GA, HI, IA, IL, IN, KS, KY, LA, MA, MD, ME, MI, MN, MO, MS, MT, NH, NC, ND, NE, NJ, NM, NV, NY, OH, OK, OR, PA, RI, SC, SD, TN, TX, UT, VA, VT, WA, WI, and WV. States with data from 2020 included in the reference population are the states with 2019 data plus WY. States with data from 2021 included in the reference population are AZ, CA, CO, DC, GA, HI, IA, IL, IN, KS, KY, MD, MN, MO, MS, MT, ND, NJ, NY, OH, OR, PA, RI, SD, VA, WI, and WV. Note that 2019 and 2020 data from Wisconsin, Oklahoma, and New Hampshire were not included in the reference population (used to develop PSI 04, PSI 09, PSI 10, PSI 11, PSI 12, PSI 14, and PSI 15) due to incomplete procedure dates (PRDAY data element) [2021 Wisconsin was also not included]. Colorado and Hawaii were also not used in the development of PSI 17 due to missing age in days (AGEDAY data element).

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1. Indication that a hospital has POA reported as Y on all diagnoses on all discharges
2. Indication that a hospital has POA reported as missing on all non-Medicare discharges
3. Indication that a hospital reported POA as missing on all nonexempt diagnoses for 15 percent or more of discharges. The cut-point of 15 percent was determined by subtracting 2 times the standard deviation from the mean of the percentage for hospitals that are required to report POA to CMS.

Additional information on the reference population and the risk adjustment process may be found in Quality Indicator Empirical Methods, available on the AHRQ QI website (<http://www.qualityindicators.ahrq.gov/modules/Default.aspx>).

The QI observed rates for hospital-level indicators are scaled to the rate per 1,000 persons at risk (discharges). Count indicator results are listed as simple counts with no scaling at all. Cell sizes less than 11 are suppressed due to confidentiality; and are designated by an asterisk (*). When only one data point in a series must be suppressed due to cell sizes, another data point is provided as a range to disallow calculation of the masked variable.

Acknowledgments

The AHRQ QI program would like to acknowledge the HCUP Partner organizations that participated in the HCUP SID: **Alaska** Hospital and Healthcare Association, **Alaska** Department of Health, **Arizona** Department of Health Services, **Arkansas** Department of Health, **California** Department of Health Care Access and Information, **Colorado** Hospital Association, **Connecticut** Hospital Association, **Delaware** Health Statistics Center & Office of Vital Statistics, **District of Columbia** Hospital Association, **Florida** Agency for Health Care Administration, **Georgia** Hospital Association, **Hawaii** Laulima Data Alliance, a non-profit subsidiary of the Healthcare Association of Hawaii, **Hawaii** University of Hawaii at Hilo, **Illinois** Department of Public Health, **Indiana** Hospital Association, **Iowa** Hospital Association, **Kansas** Hospital Association, **Kentucky** Cabinet for Health and Family Services, **Louisiana** Department of Health, **Maine** Health Data Organization, **Maryland** Health Services Cost Review Commission, **Massachusetts** Center for Health Information and Analysis, **Michigan** Health & Hospital Association, **Minnesota** Hospital Association (provides data for Minnesota and North Dakota), **Mississippi** State Department of Health, **Missouri** Hospital Industry Data Institute, **Montana** Hospital Association, **Nebraska** Hospital Association, **Nevada** Department of Health and Human Services, **New Hampshire** Department of Health & Human Services, **New Jersey** Department of Health, **New Mexico** Department of Health, **New York** State Department of Health, **North Carolina** Department of Health and Human Services, **North Dakota** (data provided by the Minnesota Hospital Association), **Ohio** Hospital Association, **Oklahoma** State Department of Health, **Oregon** Apprise Health Insights, **Pennsylvania** Health Care Cost Containment Council, **Rhode Island** Department of Health, **South Carolina** Revenue and Fiscal Affairs Office, **South Dakota** Association of Healthcare Organizations, **Tennessee** Hospital Association, **Texas** Department of State Health Services, **Utah** Department of Health, **Vermont** Association of Hospitals and Health Systems, **Virginia** Health Information, **Washington** State Department of Health, **West Virginia** Department of Health and Human Resources, **Wisconsin** Department of Health Services, **Wyoming** Hospital Association.

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Table 1. Patient Safety Indicators (PSI) For Overall Population: Hospital-level Indicators

INDICATOR	LABEL	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
PSI 02	Death Rate in Low-Mortality Diagnosis Related Groups (DRGs)	2,235	4,632,387	0.48
PSI 03	Pressure Ulcer Rate	27,187	40,485,034	0.67
PSI 04	Death Rate among Surgical Inpatients with Serious Treatable Complications	96,769	643,566	150.36
PSI 04 DVT PE	Death Rate among Surgical Inpatients with Serious Treatable Complications Stratum: Deep Vein Thrombosis/Pulmonary Embolism (DVT/PE)	3,501	78,325	44.70
PSI 04 PNEUMONIA	Death Rate among Surgical Inpatients with Serious Treatable Complications Stratum: Pneumonia	25,048	261,724	95.70
PSI 04 SEPSIS	Death Rate among Surgical Inpatients with Serious Treatable Complications Stratum: Sepsis	29,742	131,790	225.68
PSI 04 SHOCK	Death Rate among Surgical Inpatients with Serious Treatable Complications Stratum: Shock/Cardiac Arrest	33,514	115,051	291.30
PSI 04_GIHEMORRHAGE	Death Rate among Surgical Inpatients with Serious Treatable Complications Stratum: Gastrointestinal (GI) Hemorrhage/Acute Ulcer	4,964	56,676	87.59

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INDICATOR	LABEL	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
PSI 05	Retained Surgical Item or Unretrieved Device Fragment Count	1,398	*	*
PSI 06	Iatrogenic Pneumothorax Rate	10,935	57,314,012	0.19
PSI 07	Central Venous Catheter-Related Blood Stream Infection Rate	6,024	48,337,569	0.12
PSI 08	In-Hospital Fall-Associated Fracture Rate	15,748	58,930,922	0.27
PSI 08 HIP FX	In-Hospital Fall with Hip Fracture Rate Component	4,212	58,930,922	0.07
PSI 08 OTHER FX	In-Hospital Fall with Other Fracture Rate Component	11,536	58,930,922	0.20
PSI 09	Postoperative Hemorrhage or Hematoma Rate	31,718	14,013,644	2.26
PSI 10	Postoperative Acute Kidney Injury Requiring Dialysis	6,612	6,868,058	0.96
PSI 11	Postoperative Respiratory Failure Rate	49,372	6,768,059	7.29
PSI 12	Perioperative Pulmonary Embolism or Deep Vein Thrombosis Rate	51,637	14,893,241	3.47
PSI 13	Postoperative Sepsis Rate	29,294	6,880,388	4.26
PSI 14	Postoperative Wound Dehiscence Rate	5,336	3,344,566	1.60
PSI 14 OPEN	Postoperative Wound Dehiscence Rate Stratum: Open Approach	5,091	1,963,040	2.59
PSI 14 NONOPEN	Postoperative Wound Dehiscence Rate Stratum: Non-Open Approach	245	1,381,526	0.18
PSI 15	Abdominopelvic Accidental Puncture or Laceration Rate	7,583	10,737,583	0.71

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INDICATOR	LABEL	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
PSI 17	Birth Trauma Rate - Injury to Neonate	39,102	8,306,491	4.71
PSI 18	Obstetric Trauma Rate Vaginal Delivery With Instrument	39,960	340,682	117.29
PSI 19	Obstetric Trauma Rate Vaginal Delivery Without Instrument	96,602	5,554,536	17.39

*Indicates Not Applicable

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Table 2. PSI 02 - Death Rate in Low-Mortality Diagnosis Related Groups (DRGs)

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	2,235	4,632,387	0.48
Females	1,080	2,519,665	0.43
Males	1,155	2,112,722	0.55
18 to 39 years	133	1,645,199	0.08
40 to 64 years	533	1,831,898	0.29
65 to 74 years	431	581,317	0.74
75+ years	1,138	573,973	1.98
Private	275	1,202,263	0.23
Medicare	1,595	1,623,090	0.98
Medicaid	237	1,315,486	0.18
Other	67	184,353	0.36
Uninsured (self-pay/no charge)	61	307,195	0.20

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Table 3. PSI 03 - Pressure Ulcer Rate

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	27,187	40,485,034	0.67
Females	10,457	20,200,785	0.52
Males	16,730	20,284,249	0.82
18 to 39 years	2,098	4,840,675	0.43
40 to 64 years	10,053	14,174,083	0.71
65 to 74 years	7,162	9,048,299	0.79
75+ years	7,874	12,421,977	0.63
Private	5,034	8,191,475	0.61
Medicare	15,854	23,080,765	0.69
Medicaid	4,691	6,442,583	0.73
Other	915	1,192,872	0.77
Uninsured (self-pay/no charge)	693	1,577,339	0.44

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Table 4. PSI 04 - Death Rate among Surgical Inpatients with Serious Treatable Complications

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	96,769	643,566	150.36
Females	40,039	286,682	139.66
Males	56,730	356,884	158.96
0 to 17 years	*****	132	*****
18 to 39 years	5,266 -- 5,275	66,910	78.70 -- 78.84
40 to 64 years	31,876	234,806	135.75
65 to 74 years	28,021	171,315	163.56
75+ years	31,596	170,403	185.42
Private	17,641	148,344	118.92
Medicare	59,920	356,002	168.31
Medicaid	12,571	97,266	129.24
Other	3,024	20,574	146.98
Uninsured (self-pay/no charge)	3,613	21,380	168.99

***** Obscured due to small sample size

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**Table 5. PSI 04 - Death Rate among Surgical Inpatients with Serious Treatable Complications
Stratum: Deep Vein Thrombosis/Pulmonary Embolism (DVT/PE)**

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	3,501	78,325	44.70
Females	1,582	37,863	41.78
Males	1,919	40,462	47.43
0 to 17 years	*****	11	*****
18 to 39 years	197 -- 206	9,125	21.59 -- 22.58
40 to 64 years	1,185	30,469	38.89
65 to 74 years	1,016	20,564	49.41
75+ years	1,096	18,156	60.37
Private	751	22,423	33.49
Medicare	2,085	39,323	53.02
Medicaid	422	11,182	37.74
Other	124	2,799	44.30
Uninsured (self-pay/no charge)	119	2,598	45.80

***** Obscured due to small sample size

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**Table 6. PSI 04 - Death Rate among Surgical Inpatients with Serious Treatable Complications
Stratum: Pneumonia**

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	25,048	261,724	95.70
Females	9,482	109,736	86.41
Males	15,566	151,988	102.42
0 to 17 years	*****	44	*****
18 to 39 years	1,208 -- 1,217	24,483	49.34 -- 49.71
40 to 64 years	7,838	91,708	85.47
65 to 74 years	7,004	68,588	102.12
75+ years	8,994	76,901	116.96
Private	4,325	55,359	78.13
Medicare	15,820	150,126	105.38
Medicaid	3,054	38,517	79.29
Other	829	8,625	96.12
Uninsured (self-pay/no charge)	1,020	9,097	112.12

***** Obscured due to small sample size

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Table 7. PSI 04 - Death Rate among Surgical Inpatients with Serious Treatable Complications
Stratum: Sepsis

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	29,742	131,790	225.68
Females	11,980	56,749	211.11
Males	17,762	75,041	236.7
0 to 17 years	*****	36	*****
18 to 39 years	1,441 -- 1,450	14,667	98.25 -- 98.86
40 to 64 years	9,177	48,633	188.7
65 to 74 years	9,043	34,977	258.54
75+ years	10,081	33,477	301.13
Private	5,394	29,892	180.45
Medicare	18,879	71,609	263.64
Medicaid	3,515	21,684	162.10
Other	1,030	4,387	234.78
Uninsured (self-pay/no charge)	924	4,218	219.06

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Table 8. PSI 04 - Death Rate among Surgical Inpatients with Serious Treatable Complications
Stratum: Shock/Cardiac Arrest

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	33,514	115,051	291.30
Females	14,931	57,884	257.95
Males	18,583	57,167	325.07
0 to 17 years	*****	36	*****
18 to 39 years	2,271 -- 2,280	14,605	155.49 -- 156.11
40 to 64 years	12,018	43,552	275.95
65 to 74 years	9,436	31,089	303.52
75+ years	9,786	25,769	379.76
Private	6,300	28,900	217.99
Medicare	19,961	61,144	326.46
Medicaid	4,992	18,236	273.74
Other	906	3,205	282.68
Uninsured (self-pay/no charge)	1,355	3,566	379.98

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Table 9. PSI 04 - Death Rate among Surgical Inpatients with Serious Treatable Complications
Stratum: Gastrointestinal (GI) Hemorrhage/Acute Ulcer

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	4,964	56,676	87.59
Females	2,064	24,450	84.42
Males	2,900	32,226	89.99
0 to 17 years	*****	*****	*****
18 to 39 years	136 -- 145	4,026 -- 4,035	33.78 -- 35.94
40 to 64 years	1,658	20,444	81.10
65 to 74 years	1,522	16,097	94.55
75+ years	1,639	16,100	101.8
Private	871	11,770	74.00
Medicare	3,175	33,800	93.93
Medicaid	588	7,647	76.89
Other	135	1,558	86.65
Uninsured (self-pay/no charge)	195	1,901	102.58

***** Obscured due to small sample size

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Table 10. PSI 05 - Retained Surgical Item or Unretrieved Device Fragment Count

GROUP	NUMERATOR
Overall	1,398
Females	705
Males	693
18 to 39 years	280
40 to 64 years	517
65 to 74 years	318
75+ years	283
Private	418
Medicare	620
Medicaid	261
Other	44
Uninsured (self-pay/no charge)	55

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Table 11. PSI 06 - Iatrogenic Pneumothorax Rate

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	10,935	57,314,012	0.19
Females	5,922	28,837,335	0.21
Males	5,013	28,476,677	0.18
18 to 39 years	694	7,683,177	0.09
40 to 64 years	3,151	20,826,158	0.15
65 to 74 years	2,733	12,556,129	0.22
75+ years	4,357	16,248,548	0.27
Private	2,100	12,838,778	0.16
Medicare	7,036	30,868,409	0.23
Medicaid	1,243	9,198,854	0.14
Other	280	1,813,445	0.15
Uninsured (self-pay/no charge)	276	2,594,526	0.11

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Table 12. PSI 07 - Central Venous Catheter-Related Blood Stream Infection Rate

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	6,024	48,337,569	0.12
Females	2,572	28,460,314	0.09
Males	3,452	19,877,255	0.17
0 to 17 years	*****	95,638	*****
18 to 39 years	1,121 -- 1,130	13,196,306	0.08 -- 0.09
40 to 64 years	2,762	14,631,148	0.19
65 to 74 years	1,322	8,412,466	0.16
75+ years	810	12,002,011	0.07
Private	1,478	12,933,746	0.11
Medicare	2,539	21,704,310	0.12
Medicaid	1,568	10,084,558	0.16
Other	217	1,514,068	0.14
Uninsured (self-pay/no charge)	222	2,100,887	0.11

***** Obscured due to small sample size

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Table 13. PSI 08 - In-Hospital Fall-Associated Fracture Rate

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	15,748	58,930,922	0.27
Females	9,156	29,211,842	0.31
Males	6,592	29,719,080	0.22
18 to 39 years	1,040	7,734,168	0.13
40 to 64 years	4,298	21,750,804	0.20
65 to 74 years	3,951	13,187,793	0.30
75+ years	6,459	16,258,157	0.40
Private	2,133	13,443,201	0.16
Medicare	10,733	31,578,290	0.34
Medicaid	1,781	9,458,549	0.19
Other	732	1,831,849	0.40
Uninsured (self-pay/no charge)	369	2,619,033	0.14

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Table 14. PSI 08 - In-Hospital Fall-Associated Fracture Rate: Hip Fracture Component

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	4,212	58,930,922	0.07
Females	2,504	29,211,842	0.09
Males	1,708	29,719,080	0.06
18 to 39 years	57	7,734,168	0.01
40 to 64 years	817	21,750,804	0.04
65 to 74 years	1,100	13,187,793	0.08
75+ years	2,238	16,258,157	0.14
Private	423	13,443,201	0.03
Medicare	3,304	31,578,290	0.10
Medicaid	320	9,458,549	0.03
Other	107	1,831,849	0.06
Uninsured (self-pay/no charge)	58	2,619,033	0.02

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Table 15. PSI 08 - In-Hospital Fall-Associated Fracture Rate: Other Fracture Component

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	11,536	58,930,922	0.2
Females	6,652	29,211,842	0.23
Males	4,884	29,719,080	0.16
18 to 39 years	983	7,734,168	0.13
40 to 64 years	3,481	21,750,804	0.16
65 to 74 years	2,851	13,187,793	0.22
75+ years	4,221	16,258,157	0.26
Private	1,710	13,443,201	0.13
Medicare	7,429	31,578,290	0.24
Medicaid	1,461	9,458,549	0.15
Other	625	1,831,849	0.34
Uninsured (self-pay/no charge)	311	2,619,033	0.12

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Table 16. PSI 09 - Postoperative Hemorrhage or Hematoma Rate

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	31,718	14,013,644	2.26
Females	14,353	7,100,476	2.02
Males	17,365	6,913,168	2.51
18 to 39 years	3,202	1,560,853	2.05
40 to 64 years	13,636	5,656,698	2.41
65 to 74 years	8,303	3,625,548	2.29
75+ years	6,577	3,170,545	2.07
Private	9,667	4,353,979	2.22
Medicare	15,918	6,952,332	2.29
Medicaid	4,197	1,688,851	2.49
Other	1,086	518,009	2.10
Uninsured (self-pay/no charge)	850	500,473	1.70

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Table 17. PSI 10 - Postoperative Acute Kidney Injury Requiring Dialysis

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	6,612	6,868,058	0.96
Females	2,663	3,801,283	0.70
Males	3,949	3,066,775	1.29
18 to 39 years	169	610,658	0.28
40 to 64 years	2,010	2,879,112	0.70
65 to 74 years	2,443	2,042,903	1.20
75+ years	1,990	1,335,385	1.49
Private	1,537	2,542,167	0.60
Medicare	4,363	3,342,956	1.31
Medicaid	481	608,794	0.79
Other	170	261,472	0.65
Uninsured (self-pay/no charge)	61	112,669	0.54

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Table 18. PSI 11 - Postoperative Respiratory Failure Rate

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	49,372	6,768,059	7.29
Females	21,127	3,712,481	5.69
Males	28,245	3,055,578	9.24
18 to 39 years	1,999	595,960	3.35
40 to 64 years	17,097	2,837,483	6.03
65 to 74 years	16,927	2,005,549	8.44
75+ years	13,349	1,329,067	10.04
Private	11,991	2,477,613	4.84
Medicare	30,901	3,331,048	9.28
Medicaid	4,347	592,540	7.34
Other	1,461	256,765	5.69
Uninsured (self-pay/no charge)	672	110,093	6.10

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Table 19. PSI 12 - Perioperative Pulmonary Embolism or Deep Vein Thrombosis Rate

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	51,637	14,893,241	3.47
Females	23,657	7,463,590	3.17
Males	27,980	7,429,651	3.77
18 to 39 years	4,514	1,623,844	2.78
40 to 64 years	19,429	5,969,429	3.25
65 to 74 years	14,164	3,878,469	3.65
75+ years	13,530	3,421,499	3.95
Private	13,371	4,554,979	2.94
Medicare	27,731	7,475,361	3.71
Medicaid	7,116	1,796,741	3.96
Other	1,920	540,873	3.55
Uninsured (self-pay/no charge)	1,499	525,287	2.85

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Table 20. PSI 13 - Postoperative Sepsis Rate

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	29,294	6,880,388	4.26
Females	12,592	3,771,068	3.34
Males	16,702	3,109,320	5.37
18 to 39 years	1,481	591,360	2.50
40 to 64 years	10,313	2,851,641	3.62
65 to 74 years	9,598	2,072,934	4.63
75+ years	7,902	1,364,453	5.79
Private	7,141	2,520,008	2.83
Medicare	18,026	3,408,596	5.29
Medicaid	2,839	582,745	4.87
Other	896	263,245	3.40
Uninsured (self-pay/no charge)	392	105,794	3.71

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Table 21. PSI 14 - Postoperative Wound Dehiscence Rate

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	5,336	3,344,566	1.60
Females	1,843	1,871,052	0.99
Males	3,493	1,473,514	2.37
18 to 39 years	498	527,394	0.94
40 to 64 years	2,311	1,470,122	1.57
65 to 74 years	1,530	763,959	2.00
75+ years	997	583,091	1.71
Private	1,280	1,214,010	1.05
Medicare	2,784	1,409,367	1.98
Medicaid	894	473,051	1.89
Other	184	110,354	1.67
Uninsured (self-pay/no charge)	194	137,784	1.41

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Table 22. PSI 14 - Postoperative Wound Dehiscence Rate Stratum: Open Approach

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	5,091	1,963,040	2.59
Females	1,752	1,066,749	1.64
Males	3,339	896,291	3.73
18 to 39 years	487	241,435	2.02
40 to 64 years	2,207	876,628	2.52
65 to 74 years	1,454	485,838	2.99
75+ years	943	359,139	2.63
Private	1,221	688,742	1.77
Medicare	2,649	889,465	2.98
Medicaid	858	247,767	3.46
Other	177	71,322	2.48
Uninsured (self-pay/no charge)	186	65,744	2.83

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Table 23. PSI 14 - Postoperative Wound Dehiscence Rate Stratum: Non-Open Approach

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	245	1,381,526	0.18
Females	91	804,303	0.11
Males	154	577,223	0.27
18 to 39 years	11	285,959	0.04
40 to 64 years	104	593,494	0.18
65 to 74 years	76	278,121	0.27
75+ years	54	223,952	0.24
Private	59	525,268	0.11
Medicare	135	519,902	0.26
Medicaid	36	225,284	0.16
Other	*****	39,032	*****
Uninsured (self-pay/no charge)	*****	72,040	*****

***** Obscured due to small sample size

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Table 24. PSI 15 - Abdominopelvic Accidental Puncture or Laceration Rate

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	7,583	10,737,583	0.71
Females	4,248	5,557,431	0.76
Males	3,335	5,180,152	0.64
18 to 39 years	627	1,405,160	0.45
40 to 64 years	3,079	4,343,813	0.71
65 to 74 years	2,001	2,483,816	0.81
75+ years	1,876	2,504,794	0.75
Private	2,105	3,126,179	0.67
Medicare	4,026	5,252,194	0.77
Medicaid	1,045	1,603,633	0.65
Other	186	312,617	0.59
Uninsured (self-pay/no charge)	221	442,960	0.50

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Table 25. PSI 17 - Birth Trauma Rate - Injury to Neonate

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	39,102	8,306,491	4.71
Females	16,954	4,055,292	4.18
Males	22,148	4,251,199	5.21
<1 year	39,102	8,306,491	4.71
Private	18,858	3,977,163	4.74
Medicare	87	21,370	4.07
Medicaid	16,982	3,645,103	4.66
Other	1,059	226,540	4.67
Uninsured (self-pay/no charge)	2,116	436,315	4.85

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Table 26. PSI 18 - Obstetric Trauma Rate Vaginal Delivery With Instrument

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	39,960	340,682	117.29
Females	39,960	340,682	117.29
0 to 17 years	585	6,203	94.31
18 to 39 years	38,437	324,442	118.47
40 to 64 years	938	10,037	93.45
Private	28,103	193,857	144.97
Medicare	145	1,941	74.70
Medicaid	9,566	124,733	76.69
Other	1,135	9,621	117.97
Uninsured (self-pay/no charge)	1,011	10,530	96.01

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Table 27. PSI 19 - Obstetric Trauma Rate Vaginal Delivery Without Instrument

	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	96,602	5,554,536	17.39
Females	96,602	5,554,536	17.39
0 to 17 years	1,363	73,455	18.56
18 to 39 years	93,406	5,328,073	17.53
40 to 64 years	1,833	153,008	11.98
Private	67,645	2,888,511	23.42
Medicare	331	30,530	10.84
Medicaid	23,401	2,326,862	10.06
Other	2,820	163,044	17.30
Uninsured (self-pay/no charge)	2,405	145,589	16.52