



Inpatient Quality Indicators (IQI) Benchmark Data Tables, v2023

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Introduction

The data presented in this document are nationwide comparative rates for Version 2023 of Agency for Healthcare Research and Quality (AHRQ) Quality Indicators (QI) Inpatient Quality Indicators (IQI) 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).¹

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 2021.² Discharges from these participating States are used to develop hospital-level indicators.³ 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:

¹ Healthcare Cost and Utilization Project (HCUP) 2019, 2020, and 2021 State Inpatient Databases (SID). Agency for Healthcare Research and Quality, Rockville, MD.

² Only 27 states with POA indicators in the 2021 SID were available at the time of development of v2023.

³ States 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, 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 2019 states plus WY. States with data from 2021 included in the reference population are AZ, CA, CO, DC, GA, HI, IA, IL, IN, KS, MD, MN, MO, MS, MT, ND, NJ, NY, OH, OR, PA, RI, SD, VA, WI, and WV.

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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 (<https://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. 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. Inpatient Quality Indicators (IQI) For Overall

INDICATOR	LABEL	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
IQI 08	Esophageal Resection Mortality Rate	500	14,419	34.68
IQI 09	Pancreatic Resection Mortality Rate	1,355	52,828	25.65
IQI 09 Stratum WITH CANCER	Pancreatic Resection Mortality Rate Stratum: Presence of Pancreatic Cancer	630	28,357	22.22
IQI 09 Stratum WITHOUT CANCER	Pancreatic Resection Mortality Rate Stratum: Absence of Pancreatic Cancer	725	24,471	29.63
IQI 11	Abdominal Aortic Aneurysm (AAA) Repair Mortality Rate	3,157	87,429	36.11
IQI 11 Stratum OPEN RUPTURED	Abdominal Aortic Aneurysm (AAA) Repair Mortality Rate Stratum_OPEN_RUPTURED: Open Repair of Ruptured AAA	1,030	2,865	359.51
IQI 11 Stratum OPEN UNRUPTURED	Abdominal Aortic Aneurysm (AAA) Repair Mortality Rate Stratum_OPEN_UNRUPTURED: Open Repair of Unruptured AAA	580	10,313	56.24
IQI 11 Stratum ENDO RUPTURED	Abdominal Aortic Aneurysm (AAA) Repair Mortality Rate Stratum_ENDO_RUPTURED: Endovascular Repair of Ruptured AAA	1,000	5,402	185.12
IQI 11 Stratum ENDO UNRUPTURED	Abdominal Aortic Aneurysm (AAA) Repair Mortality Rate Stratum_ENDO_UNRUPTURED: Endovascular Repair of Unruptured AAA	547	68,849	7.94
IQI 12	Coronary Artery Bypass Graft (CABG) Mortality Rate	11,147	447,491	24.91

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INDICATOR	LABEL	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
IQI 15	Acute Myocardial Infarction (AMI) Mortality Rate	69,130	1,339,835	51.60
IQI 16	Heart Failure Mortality Rate	77,673	2,875,257	27.01
IQI 17	Acute Stroke Mortality Rate	108,903	1,587,049	68.62
IQI 17 Stratum_HEMSTROKE_SUBARACH	Acute Stroke Mortality Rate Stratum_HEMSTROKE_S UBARACH: Subarachnoid Hemorrhage	11,391	58,217	195.66
IQI 17 Stratum_HEMSTROKE_INTRACER	Acute Stroke Mortality Rate Stratum_HEMSTROKE_I NTRACER: Intracerebral Hemorrhage	46,080	246,745	186.75
IQI 17 Stratum ISCHEMSTROKE	Acute Stroke Mortality Rate Stratum_ISCHEMSTROK E: Ischemic Stroke	51,432	1,282,087	40.12
IQI 18	Gastrointestinal Hemorrhage Mortality Rate	33,143	1,318,318	25.14
IQI 19	Hip Fracture Mortality Rate	13,654	696,446	19.61
IQI 20	Pneumonia Mortality Rate	201,476	3,079,197	65.43
IQI 21	Cesarean Delivery Rate - Uncomplicated	2,155,649	7,744,704	278.34
IQI 22	Vaginal Birth After Cesarean (VBAC) Delivery Rate - Uncomplicated	195,061	1,356,439	143.80
IQI 30	Percutaneous Coronary Intervention (PCI) Mortality Rate	35,679	1,094,732	32.59
IQI 31	Carotid Endarterectomy Mortality Rate	665	154,287	4.31
IQI 33	Primary Cesarean Delivery Rate - Uncomplicated	997,100	6,388,265	156.08

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Table 2. IQI 08 - Esophageal Resection Mortality Rate

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	500	14,419	34.68
Females	109	2,733	39.88
Males	391	11,686	33.46
18 to 39 years	*****	259	*****
40 to 64 years	142 -- 151	6,389	22.23 -- 23.63
65 to 74 years	237	5,696	41.61
75+ years	112	2,075	53.98
Private	105 -- 114	5,536	18.97 -- 20.59
Medicare	320	7,152	44.74
Medicaid	43	1,091	39.41
Other	24	480	50.00
Uninsured (self-pay/no charge)	*****	160	*****

***** Obscured due to small sample size

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Table 3. IQI 09 - Pancreatic Resection Mortality Rate

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	1,355	52,828	25.65
Females	490	26,083	18.79
Males	865	26,745	32.34
18 to 39 years	158	3,878	40.74
40 to 64 years	403	20,972	19.22
65 to 74 years	435	17,575	24.75
75+ years	359	10,403	34.51
Private	310	19,150	16.19
Medicare	764	26,319	29.03
Medicaid	157	4,824	32.55
Other	68	1,435	47.39
Uninsured (self-pay/no charge)	56	1,100	50.91

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Table 4. IQI 09 - Pancreatic Resection Mortality Rate Stratum: Presence of Pancreatic Cancer

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	630	28,357	22.22
Females	252	13,631	18.49
Males	378	14,726	25.67
18 to 39 years	*****	549	*****
40 to 64 years	149 -- 158	10,003	14.90 -- 15.80
65 to 74 years	248	10,749	23.07
75+ years	219	7,056	31.04
Private	130 -- 139	9,107	14.27 -- 15.26
Medicare	430	16,278	26.42
Medicaid	38	1,856	20.47
Other	21	695	30.22
Uninsured (self-pay/no charge)	*****	421	*****

***** Obscured due to small sample size

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Table 5. IQI 09 - Pancreatic Resection Mortality Rate Stratum: Absence of Pancreatic Cancer

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	725	24,471	29.63
Females	238	12,452	19.11
Males	487	12,019	40.52
18 to 39 years	153	3,329	45.96
40 to 64 years	245	10,969	22.34
65 to 74 years	187	6,826	27.40
75+ years	140	3,347	41.83
Private	178	10,043	17.72
Medicare	334	10,041	33.26
Medicaid	119	2,968	40.09
Other	47	740	63.51
Uninsured (self-pay/no charge)	47	679	69.22

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Table 6. IQI 11 - Abdominal Aortic Aneurysm (AAA) Repair Mortality Rate

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	3,157	87,429	36.11
Females	952	18,550	51.32
Males	2,205	68,879	32.01
18 to 39 years	*****	126	*****
40 to 64 years	392 -- 401	13,986	28.03 -- 28.67
65 to 74 years	1,097	34,566	31.74
75+ years	1,649	38,751	42.55
Private	384	13,342	28.78
Medicare	2,504	67,339	37.18
Medicaid	116	3,187	36.40
Other	80	2,600	30.77
Uninsured (self-pay/no charge)	73	961	75.96

***** Obscured due to small sample size

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**Table 7. IQI 11 - Abdominal Aortic Aneurysm (AAA) Repair Mortality Rate Stratum_OPEN_RUPTURED:
 Open Repair of Ruptured AAA**

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	1,030	2,865	359.51
Females	283	716	395.25
Males	747	2,149	347.60
18 to 39 years	*****	18	*****
40 to 64 years	145 -- 154	634	228.71 -- 242.90
65 to 74 years	375	1,117	335.72
75+ years	498	1,096	454.38
Private	137	499	274.55
Medicare	797	2,014	395.73
Medicaid	40	181	220.99
Other	22	79	278.48
Uninsured (self-pay/no charge)	34	92	369.57

***** Obscured due to small sample size

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**Table 8. IQI 11 - Abdominal Aortic Aneurysm (AAA) Repair Mortality Rate Stratum_OPEN_UNRUPTURED:
 Open Repair of Unruptured AAA**

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	580	10,313	56.24
Females	194	2,773	69.96
Males	386	7,540	51.19
18 to 39 years	*****	66	*****
40 to 64 years	84 -- 93	2,800	30.00 -- 33.21
65 to 74 years	235	4,531	51.86
75+ years	256	2,916	87.79
Private	62 -- 71	2,280	27.19 -- 31.14
Medicare	465	6,900	67.39
Medicaid	27	652	41.41
Other	17	311	54.66
Uninsured (self-pay/no charge)	*****	170	*****

***** Obscured due to small sample size

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**Table 9. IQI 11 - Abdominal Aortic Aneurysm (AAA) Repair Mortality Rate Stratum_ENDO_RUPTURED:
 Endovascular Repair of Ruptured AAA**

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	1,000	5,402	185.12
Females	272	1,230	221.14
Males	728	4,172	174.50
18 to 39 years	*****	12	*****
40 to 64 years	121 -- 130	999	121.12 -- 130.13
65 to 74 years	311	1,912	162.66
75+ years	562	2,479	226.70
Private	137	851	160.99
Medicare	779	3,978	195.83
Medicaid	30	257	116.73
Other	24	172	139.53
Uninsured (self-pay/no charge)	30	144	208.33

***** Obscured due to small sample size

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Table 10. IQI 11 - Abdominal Aortic Aneurysm (AAA) Repair Mortality Rate Stratum_ENDO_UNRUPTURED: Endovascular Repair of Unruptured AAA

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	547	68,849	7.94
Females	203	13,831	14.68
Males	344	55,018	6.25
18 to 39 years	*****	30	*****
40 to 64 years	29 -- 38	9,553	3.04 -- 3.98
65 to 74 years	176	27,006	6.52
75+ years	333	32,260	10.32
Private	37 -- 46	9,712	3.81 -- 4.74
Medicare	463	54,447	8.50
Medicaid	19	2,097	9.06
Other	17	2,038	8.34
Uninsured (self-pay/no charge)	*****	555	*****

***** Obscured due to small sample size

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Table 11. IQI 12 - Coronary Artery Bypass Graft (CABG) Mortality Rate

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	11,147	447,491	24.91
Females	4,008	106,105	37.77
Males	7,139	341,386	20.91
40 to 64 years	2,957	175,640	16.84
65 to 74 years	4,191	174,484	24.02
75+ years	3,999	97,367	41.07
Private	1,899	133,292	14.25
Medicare	7,865	253,187	31.06
Medicaid	784	33,747	23.23
Other	327	14,974	21.84
Uninsured (self-pay/no charge)	272	12,291	22.13

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Table 12. IQI 15 - Acute Myocardial Infarction (AMI) Mortality Rate

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	69,130	1,339,835	51.60
Females	27,679	486,847	56.85
Males	41,451	852,988	48.6
18 to 39 years	595	31,274	19.03
40 to 64 years	16,412	553,143	29.67
65 to 74 years	18,261	358,091	51.00
75+ years	33,862	397,327	85.22
Private	10,090	350,367	28.80
Medicare	49,082	740,343	66.30
Medicaid	5,072	137,307	36.94
Other	2,050	43,455	47.18
Uninsured (self-pay/no charge)	2,836	68,363	41.48

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Table 13. IQI 16 - Heart Failure Mortality Rate

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	77,673	2,875,257	27.01
Females	35,598	1,359,345	26.19
Males	42,075	1,515,912	27.76
18 to 39 years	925	78,743	11.75
40 to 64 years	11,942	809,701	14.75
65 to 74 years	16,105	668,962	24.07
75+ years	48,701	1,317,851	36.95
Private	7,415	320,524	23.13
Medicare	61,536	2,056,808	29.92
Medicaid	5,048	351,432	14.36
Other	2,552	59,971	42.55
Uninsured (self-pay/no charge)	1,122	86,522	12.97

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Table 14. IQI 17 - Acute Stroke Mortality Rate

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	108,903	1,587,049	68.62
Females	54,624	774,860	70.5
Males	54,279	812,189	66.83
18 to 39 years	3,028	45,938	65.91
40 to 64 years	29,649	512,054	57.9
65 to 74 years	24,197	396,586	61.01
75+ years	52,029	632,471	82.26
Private	17,086	310,953	54.95
Medicare	70,925	992,267	71.48
Medicaid	11,274	171,914	65.58
Other	4,061	41,996	96.70
Uninsured (self-pay/no charge)	5,557	69,919	79.48

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Table 15. IQI 17 - Acute Stroke Mortality Rate Stratum_HEMSTROKE_SUBARACH: Subarachnoid Hemorrhage

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	11,391	58,217	195.66
Females	6,956	35,702	194.84
Males	4,435	22,515	196.98
18 to 39 years	794	5,281	150.35
40 to 64 years	4,847	28,997	167.16
65 to 74 years	2,603	12,151	214.22
75+ years	3,147	11,788	266.97
Private	2,853	19,597	145.58
Medicare	5,404	23,308	231.85
Medicaid	1,716	9,620	178.38
Other	382	1,750	218.29
Uninsured (self-pay/no charge)	1,036	3,942	262.81

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Table 16. IQI 17 - Acute Stroke Mortality Rate Stratum_HEMSTROKE_INTRACER: Intracerebral Hemorrhage

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	46,080	246,745	186.75
Females	21,430	108,434	197.63
Males	24,650	138,311	178.22
18 to 39 years	1,559	10,376	150.25
40 to 64 years	14,209	81,734	173.84
65 to 74 years	10,337	59,120	174.85
75+ years	19,975	95,515	209.13
Private	7,418	48,940	151.57
Medicare	28,942	148,598	194.77
Medicaid	5,365	30,522	175.77
Other	1,601	7,000	228.71
Uninsured (self-pay/no charge)	2,754	11,685	235.69

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Table 17. IQI 17 - Acute Stroke Mortality Rate Stratum_ISCHEMSTROKE: Ischemic Stroke

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	51,432	1,282,087	40.12
Females	26,238	630,724	41.60
Males	25,194	651,363	38.68
18 to 39 years	675	30,281	22.29
40 to 64 years	10,593	401,323	26.40
65 to 74 years	11,257	325,315	34.60
75+ years	28,907	525,168	55.04
Private	6,815	242,416	28.11
Medicare	36,579	820,361	44.59
Medicaid	4,193	131,772	31.82
Other	2,078	33,246	62.50
Uninsured (self-pay/no charge)	1,767	54,292	32.55

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Table 18. IQI 18 - Gastrointestinal Hemorrhage Mortality Rate

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	33,143	1,318,318	25.14
Females	13,620	617,231	22.07
Males	19,523	701,087	27.85
18 to 39 years	1,259	91,077	13.82
40 to 64 years	10,096	398,306	25.35
65 to 74 years	7,269	309,308	23.50
75+ years	14,519	519,627	27.94
Private	4,481	225,494	19.87
Medicare	21,534	840,695	25.61
Medicaid	4,783	166,316	28.76
Other	1,018	32,182	31.63
Uninsured (self-pay/no charge)	1,327	53,631	24.74

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Table 19. IQI 19 - Hip Fracture Mortality Rate

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	13,654	696,446	19.61
Females	7,875	487,726	16.15
Males	5,779	208,720	27.69
65 to 74 years	1,604	151,878	10.56
75+ years	12,050	544,568	22.13
Private	727	39,494	18.41
Medicare	12,373	633,496	19.53
Medicaid	155	7,388	20.98
Other	325	12,275	26.48
Uninsured (self-pay/no charge)	74	3,793	19.51

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Table 20. IQI 20 - Pneumonia Mortality Rate

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	201,476	3,079,197	65.43
Females	88,282	1,497,671	58.95
Males	113,194	1,581,526	71.57
18 to 39 years	4,479	224,622	19.94
40 to 64 years	43,651	917,501	47.58
65 to 74 years	47,695	700,009	68.13
75+ years	105,651	1,237,065	85.4
Private	26,214	499,124	52.52
Medicare	146,774	2,030,140	72.30
Medicaid	18,337	378,110	48.50
Other	6,257	73,529	85.10
Uninsured (self-pay/no charge)	3,894	98,294	39.62

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Table 21. IQI 21 - Cesarean Delivery Rate - Uncomplicated

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	2,155,649	7,744,704	278.34
Females	2,155,649	7,744,704	278.34
0 to 17 years	11,883	86,319	137.66
18 to 39 years	2,031,263	7,394,613	274.69
40 to 64 years	112,503	263,772	426.52
Private	1,152,333	4,096,793	281.28
Medicare	17,072	46,914	363.90
Medicaid	879,528	3,183,876	276.24
Other	56,442	220,184	256.34
Uninsured (self-pay/no charge)	50,274	196,937	255.28

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Table 22. IQI 22 - Vaginal Birth After Cesarean (VBAC) Delivery Rate, Uncomplicated

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	195,061	1,356,439	143.80
Females	195,061	1,356,439	143.80
0 to 17 years	149	836	178.23
18 to 39 years	185,886	1,279,579	145.27
40 to 64 years	9,026	76,024	118.73
Private	93,611	665,624	140.64
Medicare	1,184	10,962	108.01
Medicaid	87,712	608,042	144.25
Other	6,034	36,042	167.42
Uninsured (self-pay/no charge)	6,520	35,769	182.28

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Table 23. IQI 30 - Percutaneous Coronary Intervention (PCI) Mortality Rate

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	35,679	1,094,732	32.59
Females	13,562	355,372	38.16
Males	22,117	739,360	29.91
40 to 64 years	10,128	482,501	20.99
65 to 74 years	10,735	322,026	33.34
75+ years	14,816	290,205	51.05
Private	5,941	300,283	19.78
Medicare	24,370	603,277	40.40
Medicaid	2,763	103,481	26.70
Other	1,036	35,927	28.84
Uninsured (self-pay/no charge)	1,569	51,764	30.31

**AHRQ Quality Indicators
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Table 24. IQI 31 - Carotid Endarterectomy Mortality Rate

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	665	154,287	4.31
Females	262	61,675	4.25
Males	403	92,612	4.35
18 to 39 years	*****	221	*****
40 to 64 years	102 -- 111	33,678	3.03 -- 3.30
65 to 74 years	215	61,680	3.49
75+ years	333	58,708	5.67
Private	94	27,208	3.45
Medicare	499	113,931	4.38
Medicaid	34	7,528	4.52
Other	25	3,584	6.98
Uninsured (self-pay/no charge)	13	2,036	6.39

***** Obscured due to small sample size

AHRQ Quality Indicators
Inpatient Quality Indicators (IQI) Benchmark Data Tables, v2023

Table 25. IQI 33 - Primary Cesarean Delivery Rate, Uncomplicated

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
	997,100	6,388,265	156.08
Females	997,100	6,388,265	156.08
0 to 17 years	11,199	85,483	131.01
18 to 39 years	940,315	6,115,034	153.77
40 to 64 years	45,586	187,748	242.80
Private	581,431	3,431,169	169.46
Medicare	7,323	35,952	203.69
Medicaid	360,715	2,575,834	140.04
Other	26,479	184,142	143.80
Uninsured (self-pay/no charge)	21,152	161,168	131.24