



Inpatient Quality Indicators (IQI) Benchmark Data Tables, v2022

Prepared for:

Agency for Healthcare Research and Quality
U.S. Department of Health and Human Services
5600 Fishers Lane
Rockville, MD 20857
<https://qualityindicators.ahrq.gov/>

Contract No. HHSA290201800003G

July 2022

Table of Contents

Introduction.....	1
Acknowledgments	2
IQI Benchmark Tables	3

Index of Tables

Table 1. Inpatient Quality Indicators (IQI) for Overall Population: Hospital-Level Indicators.....	3
Table 2. IQI 08 – Esophageal Resection Mortality Rate	5
Table 3. IQI 09 – Pancreatic Resection Mortality Rate	5
Table 4. IQI 09 – Pancreatic Resection Mortality Rate Stratum: Presence of Pancreatic Cancer.....	6
Table 5. IQI 09 – Pancreatic Resection Mortality Rate Stratum: Absence of Pancreatic Cancer	6
Table 6. IQI 11 – Abdominal Aortic Aneurysm (AAA) Repair Mortality Rate.....	7
Table 7. IQI 11 – Abdominal Aortic Aneurysm (AAA) Repair Mortality Rate Stratum: Open Repair of Ruptured AAA	7
Table 8. IQI 11 – Abdominal Aortic Aneurysm (AAA) Repair Mortality Rate Stratum: Open Repair of Unruptured AAA	8
Table 9. IQI 11 – Abdominal Aortic Aneurysm (AAA) Repair Mortality Rate Stratum: Endovascular Repair of Ruptured AAA.....	8
Table 10. IQI 11 – Abdominal Aortic Aneurysm (AAA) Repair Mortality Rate Stratum: Endovascular Repair of Unruptured AAA	9
Table 11. IQI 12 – Coronary Artery Bypass Graft (CABG) Mortality Rate	9
Table 12. IQI 15 – Acute Myocardial Infarction (AMI) Mortality Rate	10
Table 13. IQI 16 – Heart Failure Mortality Rate	10
Table 14. IQI 17 – Acute Stroke Mortality Rate	11
Table 15. IQI 17 – Acute Stroke Mortality Rate Stratum: Subarachnoid Hemorrhage.....	11
Table 16. IQI 17 – Acute Stroke Mortality Rate Stratum: Intracerebral Hemorrhage	12
Table 17. IQI 17 – Acute Stroke Mortality Rate Stratum: Ischemic Stroke.....	12
Table 18. IQI 18 – Gastrointestinal Hemorrhage Mortality Rate	13
Table 19. IQI 19 – Hip Fracture Mortality Rate	13
Table 20. IQI 20 – Pneumonia Mortality Rate	14
Table 21. IQI 21 – Cesarean Delivery Rate, Uncomplicated	14
Table 22. IQI 22 – Vaginal Birth After Cesarean (VBAC) Delivery Rate, Uncomplicated	15
Table 23. IQI 30 – Percutaneous Coronary Intervention (PCI) Mortality Rate.....	15

Table 24. IQI 31 – Carotid Endarterectomy Mortality Rate16

Table 25. IQI 33 – Primary Cesarean Delivery Rate, Uncomplicated.....16

Introduction

The data presented in this document are nationwide comparative rates for Version 2022 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 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 2019, the HCUP databases represented more than 97 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 2022 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.

In 2019, 46 states of the SID include indicators of the diagnoses being present on admission (POA). Discharges from these 46 participating States are used to develop hospital-level indicators.¹ 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. 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 2 times the standard deviation plus the mean of the percentage for hospitals that are required to report POA to CMS.

¹ States in the 2019 reference population for the hospital-level indicators include: 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.

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. 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** State Hospital and Nursing Home Association, **Alaska** Department of Health and Social Services, **Arizona** Department of Health Services, **Arkansas** Department of Health, **California** Department of Health Care Access and Information, **Colorado** Hospital Association, **Connecticut** Hospital Association, **Delaware** Division of Public Health, **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** Association of Hospitals and Health Systems, **Oregon** Office of Health Analytics, **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.

IQI Benchmark Tables

Table 1. Inpatient Quality Indicators (IQI) for Overall Population: Hospital-Level Indicators

INDICATOR	LABEL	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
IQI 08	Esophageal Resection Mortality Rate	190	5,816	32.67
IQI 09	Pancreatic Resection Mortality Rate	518	20,117	25.75
IQI 09 Stratum_WITH_CANCER	Pancreatic Resection Mortality Rate Stratum A: Presence of Pancreatic Cancer	244	10,755	22.69
IQI 09 Stratum_WITHOUT_CANCER	Pancreatic Resection Mortality Rate Stratum B: Absence of Pancreatic Cancer	274	9,362	29.27
IQI 11	Abdominal Aortic Aneurysm (AAA) Repair Mortality Rate	1,240	36,795	33.70
IQI 11 Stratum_OPEN_RUPTURED	Abdominal Aortic Aneurysm (AAA) Repair Mortality Rate Stratum: Open Repair of Ruptured AAA	426	1,127	377.99
IQI 11 Stratum_OPEN_UNRUPTURED	Abdominal Aortic Aneurysm (AAA) Repair Mortality Rate Stratum: Open Repair of Unruptured AAA	212	4,046	52.40
IQI 11 Stratum_ENDO_RUPTURED	Abdominal Aortic Aneurysm (AAA) Repair Mortality Rate Stratum: Endovascular Repair of Ruptured AAA	393	2,197	178.88
IQI 11 Stratum_ENDO_UNRUPTURED	Abdominal Aortic Aneurysm (AAA) Repair Mortality Rate Stratum: Endovascular Repair of Unruptured AAA	209	29,425	7.10
IQI 12	Coronary Artery Bypass Graft (CABG) Mortality Rate	4,436	190,626	23.27
IQI 15	Acute Myocardial Infarction (AMI) Mortality Rate	27,395	555,579	49.31
IQI 16	Heart Failure Mortality Rate	29,800	1,193,490	24.97

INDICATOR	LABEL	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
IQI 17	Acute Stroke Mortality Rate	41,966	630,496	66.56
IQI 17 Stratum_HEMSTROKE_SUBARACH	Acute Stroke Mortality Rate Stratum: Subarachnoid Hemorrhage	4,520	23,095	195.71
IQI 17 Stratum_HEMSTROKE_INTRACER	Acute Stroke Mortality Rate Stratum: Intracerebral Hemorrhage	17,976	96,860	185.59
IQI 17 Stratum_ISCHEMSTROKE	Acute Stroke Mortality Rate Stratum: Ischemic Stroke	19,470	510,541	38.14
IQI 18	Gastrointestinal Hemorrhage Mortality Rate	12,005	529,636	22.67
IQI 19	Hip Fracture Mortality Rate	5,086	273,610	18.59
IQI 20	Pneumonia Mortality Rate	53,730	1,257,551	42.73
IQI 21	Cesarean Delivery Rate - Uncomplicated	846,162	3,042,430	278.12
IQI 22	Vaginal Birth After Cesarean (VBAC) Delivery Rate - Uncomplicated	75,349	537,530	140.18
IQI 30	Percutaneous Coronary Intervention (PCI) Mortality Rate	13,664	455,554	29.99
IQI 31	Carotid Endarterectomy Mortality Rate	257	67,900	3.78
IQI 33	Primary Cesarean Delivery Rate, Uncomplicated	384,992	2,504,900	153.70

Table 2. IQI 08 – Esophageal Resection Mortality Rate

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	190	5,816	32.67
Females	49	1,112	44.06
Males	141	4,704	29.97
18 to 39 years	*****	100	*****
40 to 64 years	59 -- 68	2,589	22.79 -- 26.26
65 to 74 years	88	2,282	38.56
75+ years	39	845	46.15
Private	40	2,229	17.95
Medicare	125	2,933	42.62
Medicaid	16	407	39.31
Other	*****	175	*****
Uninsured (self-pay/no charge)	*****	72	*****

**** Obscured due to small sample size

Table 3. IQI 09 – Pancreatic Resection Mortality Rate

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	518	20,117	25.75
Females	190	9,941	19.11
Males	328	10,176	32.23
18 to 39 years	64	1,504	42.55
40 to 64 years	141	8,076	17.46
65 to 74 years	175	6,646	26.33
75+ years	138	3,891	35.47
Private	115	7,376	15.59
Medicare	292	10,013	29.16
Medicaid	59	1,723	34.24
Other	29	575	50.43
Uninsured (self-pay/no charge)	23	430	53.49

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

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	244	10,755	22.69
Females	97	5,139	18.88
Males	147	5,616	26.18
18 to 39 years	*****	209	*****
40 to 64 years	50 -- 59	3,846	13.00 -- 15.34
65 to 74 years	99	4,028	24.58
75+ years	83	2,672	31.06
Private	56	3,483	16.08
Medicare	158	6,164	25.63
Medicaid	16	652	24.54
Other	*****	270	*****
Uninsured (self-pay/no charge)	*****	186	*****

**** Obscured due to small sample size

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

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	274	9,362	29.27
Females	93	4,802	19.37
Males	181	4,560	39.69
18 to 39 years	61	1,295	47.10
40 to 64 years	82	4,230	19.39
65 to 74 years	76	2,618	29.03
75+ years	55	1,219	45.12
Private	59	3,893	15.16
Medicare	134	3,849	34.81
Medicaid	43	1,071	40.15
Other	22	305	72.13
Uninsured (self-pay/no charge)	16	244	65.57

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

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	1,240	36,795	33.70
Females	376	7,855	47.87
Males	864	28,940	29.85
18 to 39 years	*****	46	*****
40 to 64 years	158 -- 167	5,851	27.00 -- 28.54
65 to 74 years	424	14,490	29.26
75+ years	648	16,408	39.49
Private	144	5,601	25.71
Medicare	1,003	28,509	35.18
Medicaid	43	1,266	33.97
Other	22	993	22.16
Uninsured (self-pay/no charge)	28	426	65.73

**** Obscured due to small sample size

Table 7. IQI 11 – Abdominal Aortic Aneurysm (AAA) Repair Mortality Rate Stratum: Open Repair of Ruptured AAA

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	426	1,127	377.99
Females	119	267	445.69
Males	307	860	356.98
18 to 39 years	*****	*****	*****
40 to 64 years	60 -- 69	262 -- 271	229.01 -- 254.61
65 to 74 years	143	429	333.33
75+ years	215	422	509.48
Private	55 -- 64	208	264.42 -- 307.69
Medicare	331	786	421.12
Medicaid	17	65	261.54
Other	*****	28	*****
Uninsured (self-pay/no charge)	14	40	350.00

**** Obscured due to small sample size

Table 8. IQI 11 – Abdominal Aortic Aneurysm (AAA) Repair Mortality Rate Stratum: Open Repair of Unruptured AAA

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	212	4,046	52.40
Females	68	1,121	60.66
Males	144	2,925	49.23
18 to 39 years	*****	20	*****
40 to 64 years	29 -- 38	1,082	26.80 -- 35.12
65 to 74 years	90	1,823	49.37
75+ years	87	1,121	77.61
Private	20	878	22.78
Medicare	173	2,738	63.18
Medicaid	*****	249	*****
Other	*****	107	*****
Uninsured (self-pay/no charge)	*****	74	*****

**** Obscured due to small sample size

Table 9. IQI 11 – Abdominal Aortic Aneurysm (AAA) Repair Mortality Rate Stratum: Endovascular Repair of Ruptured AAA

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	393	2,197	178.88
Females	109	516	211.24
Males	284	1,681	168.95
18 to 39 years	*****	*****	*****
40 to 64 years	43 -- 52	396 -- 405	108.59 -- 128.40
65 to 74 years	121	781	154.93
75+ years	223	1,017	219.27
Private	50	336	148.81
Medicare	323	1,659	194.70
Medicaid	*****	93	*****
Other	*****	52	*****
Uninsured (self-pay/no charge)	*****	57	*****

**** Obscured due to small sample size

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

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	209	29,425	7.10
Females	80	5,951	13.44
Males	129	23,474	5.50
18 to 39 years	*****	15	*****
40 to 64 years	8 -- 17	4,105	1.95 -- 4.14
65 to 74 years	70	11,457	6.11
75+ years	123	13,848	8.88
Private	16	4,179	3.83
Medicare	176	23,326	7.55
Medicaid	11	859	12.81
Other	*****	806	*****
Uninsured (self-pay/no charge)	*****	255	*****

**** Obscured due to small sample size

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

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	4,436	190,626	23.27
Females	1,645	45,843	35.88
Males	2,791	144,783	19.28
40 to 64 years	1,182	74,375	15.89
65 to 74 years	1,626	74,227	21.91
75+ years	1,628	42,024	38.74
Private	756	56,745	13.32
Medicare	3,129	108,728	28.78
Medicaid	288	13,214	21.80
Other	131	6,265	20.91
Uninsured (self-pay/no charge)	132	5,674	23.26

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

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	27,395	555,579	49.31
Females	11,210	203,940	54.97
Males	16,185	351,639	46.03
18 to 39 years	209	12,772	16.36
40 to 64 years	6,408	227,927	28.11
65 to 74 years	7,070	147,132	48.05
75+ years	13,708	167,748	81.72
Private	3,979	144,621	27.51
Medicare	19,682	311,225	63.24
Medicaid	1,787	52,053	34.33
Other	745	17,355	42.93
Uninsured (self-pay/no charge)	1,202	30,325	39.64

Table 13. IQI 16 – Heart Failure Mortality Rate

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	29,800	1,193,490	24.97
Females	13,948	570,234	24.46
Males	15,852	623,256	25.43
18 to 39 years	345	31,209	11.05
40 to 64 years	4,313	326,551	13.21
65 to 74 years	5,930	272,933	21.73
75+ years	19,212	562,797	34.14
Private	2,980	132,970	22.41
Medicare	23,723	868,693	27.31
Medicaid	1,675	131,272	12.76
Other	993	22,462	44.21
Uninsured (self-pay/no charge)	429	38,093	11.26

Table 14. IQI 17 – Acute Stroke Mortality Rate

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	41,966	630,496	66.56
Females	21,387	309,523	69.10
Males	20,579	320,973	64.11
18 to 39 years	1,126	17,831	63.15
40 to 64 years	10,988	201,707	54.48
65 to 74 years	9,121	155,271	58.74
75+ years	20,731	255,687	81.08
Private	6,639	123,471	53.77
Medicare	27,694	398,903	69.43
Medicaid	3,786	62,130	60.94
Other	1,618	16,030	100.94
Uninsured (self-pay/no charge)	2,229	29,962	74.39

Table 15. IQI 17 – Acute Stroke Mortality Rate Stratum: Subarachnoid Hemorrhage

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	4,520	23,095	195.71
Females	2,792	14,168	197.06
Males	1,728	8,927	193.57
18 to 39 years	330	2,164	152.50
40 to 64 years	1,900	11,488	165.39
65 to 74 years	1,040	4,799	216.71
75+ years	1,250	4,644	269.16
Private	1,135	7,813	145.27
Medicare	2,156	9,241	233.31
Medicaid	623	3,588	173.63
Other	155	729	212.62
Uninsured (self-pay/no charge)	451	1,724	261.60

Table 16. IQI 17 – Acute Stroke Mortality Rate Stratum: Intracerebral Hemorrhage

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	17,976	96,860	185.59
Females	8,495	43,080	197.19
Males	9,481	53,780	176.29
18 to 39 years	557	3,847	144.79
40 to 64 years	5,260	31,555	166.69
65 to 74 years	3,940	22,878	172.22
75+ years	8,219	38,580	213.04
Private	2,857	19,192	148.86
Medicare	11,575	59,318	195.13
Medicaid	1,789	10,752	166.39
Other	653	2,674	244.20
Uninsured (self-pay/no charge)	1,102	4,924	223.80

Table 17. IQI 17 – Acute Stroke Mortality Rate Stratum: Ischemic Stroke

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	19,470	510,541	38.14
Females	10,100	252,275	40.04
Males	9,370	258,266	36.28
18 to 39 years	239	11,820	20.22
40 to 64 years	3,828	158,664	24.13
65 to 74 years	4,141	127,594	32.45
75+ years	11,262	212,463	53.01
Private	2,647	96,466	27.44
Medicare	13,963	330,344	42.27
Medicaid	1,374	47,790	28.75
Other	810	12,627	64.15
Uninsured (self-pay/no charge)	676	23,314	29.00

Table 18. IQI 18 – Gastrointestinal Hemorrhage Mortality Rate

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	12,005	529,636	22.67
Females	4,988	249,777	19.97
Males	7,017	279,859	25.07
18 to 39 years	407	36,236	11.23
40 to 64 years	3,624	160,113	22.63
65 to 74 years	2,547	122,072	20.86
75+ years	5,427	211,215	25.69
Private	1,666	91,744	18.16
Medicare	7,988	340,747	23.44
Medicaid	1,544	61,253	25.21
Other	333	12,380	26.90
Uninsured (self-pay/no charge)	474	23,512	20.16

Table 19. IQI 19 – Hip Fracture Mortality Rate

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	5,086	273,610	18.59
Females	2,977	192,121	15.50
Males	2,109	81,489	25.88
65 to 74 years	571	58,879	9.70
75+ years	4,515	214,731	21.03
Private	279	15,863	17.59
Medicare	4,604	249,033	18.49
Medicaid	48	2,644	18.15
Other	118	4,419	26.70
Uninsured (self-pay/no charge)	37	1,651	22.41

Table 20. IQI 20 – Pneumonia Mortality Rate

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	53,730	1,257,551	42.73
Females	25,531	634,407	40.24
Males	28,199	623,144	45.25
18 to 39 years	1,019	87,164	11.69
40 to 64 years	9,439	351,119	26.88
65 to 74 years	11,321	279,084	40.56
75+ years	31,951	540,184	59.15
Private	5,947	188,928	31.48
Medicare	41,440	863,562	47.99
Medicaid	3,694	138,610	26.65
Other	1,704	25,978	65.59
Uninsured (self-pay/no charge)	945	40,473	23.35

Table 21. IQI 21 – Cesarean Delivery Rate, Uncomplicated

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	846,162	3,042,430	278.12
Females	846,162	3,042,430	278.12
0 to 17 years	4,967	35,919	138.28
18 to 39 years	799,062	2,907,774	274.80
40 to 64 years	42,133	98,737	426.72
Private	446,668	1,588,932	281.11
Medicare	7,204	19,584	367.85
Medicaid	347,607	1,260,429	275.78
Other	21,829	85,326	255.83
Uninsured (self-pay/no charge)	22,854	88,159	259.24

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

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	75,349	537,530	140.18
Females	75,349	537,530	140.18
0 to 17 years	54	352	153.41
18 to 39 years	71,907	508,740	141.34
40 to 64 years	3,388	28,438	119.14
Private	36,055	261,109	138.08
Medicare	459	4,618	99.39
Medicaid	33,811	241,780	139.84
Other	2,313	14,094	164.11
Uninsured (self-pay/no charge)	2,711	15,929	170.19

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

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	13,664	455,554	29.99
Females	5,367	149,160	35.98
Males	8,297	306,394	27.08
40 to 64 years	3,835	201,480	19.03
65 to 74 years	3,993	133,076	30.01
75+ years	5,836	120,998	48.23
Private	2,229	125,400	17.78
Medicare	9,474	252,770	37.48
Medicaid	950	39,854	23.84
Other	354	14,373	24.63
Uninsured (self-pay/no charge)	657	23,157	28.37

Table 24. IQI 31 – Carotid Endarterectomy Mortality Rate

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	257	67,900	3.78
Females	98	27,248	3.60
Males	159	40,652	3.91
18 to 39 years	*****	91	*****
40 to 64 years	35 -- 44	14,773	2.37 -- 2.98
65 to 74 years	86	26,928	3.19
75+ years	126	26,108	4.83
Private	31 -- 40	12,061	2.57 -- 3.32
Medicare	187	50,394	3.71
Medicaid	13	3,099	4.19
Other	13	1,427	9.11
Uninsured (self-pay/no charge)	*****	919	*****

**** Obscured due to small sample size

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

GROUP	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 DISCHARGES
Overall	384,992	2,504,900	153.70
Females	384,992	2,504,900	153.70
0 to 17 years	4,670	35,567	131.30
18 to 39 years	363,217	2,399,034	151.40
40 to 64 years	17,105	70,299	243.32
Private	221,976	1,327,823	167.17
Medicare	3,054	14,966	204.06
Medicaid	140,216	1,018,649	137.65
Other	10,067	71,232	141.33
Uninsured (self-pay/no charge)	9,679	72,230	134.00