



INPATIENT QUALITY INDICATORS™ v5.0 BENCHMARK DATA TABLES

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Introduction

The data presented in this document are nationwide comparative rates for the Agency for Healthcare Research and Quality (AHRQ) Quality Indicators™ QIs. The rates are based on analysis of 45 States from the 2012 AHRQ Healthcare Cost and Utilization Project (HCUP) State Inpatient Databases (SID)¹. HCUP is a family of health care databases and related software tools and products developed through a Federal-State-industry partnership². 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, Ninth Revision, Clinical Modification diagnoses and procedures, length of stay, expected payer, admission and discharge dates, and discharge disposition. In 2012, the HCUP databases represented more than 95 percent of all annual discharges in the United States. The dataset analyzed to generate the tables in this document consists of the same hospital discharge records that comprise the reference population for Version the 5.0 Version of the AHRQ QI software.

With Version 5.0 of the software, the indicators are no longer calculated using a software option that models the effect of missing present on admission data. The QI observed rates for provider-level indicators are scaled to the rate per 1,000 persons at risk and the area-level indicators are per 100,000. Volume and count indicator results are listed as simple counts with no scaling at all. Rates for any cells with 1 to 10 cases are not presented.

The tables below are calculated for the overall reference population.

1 The states included in the analysis are Alaska, Arkansas, Arizona, California, Colorado, Connecticut, Florida, Georgia, Hawaii, Iowa, Illinois, Indiana, Kansas, Kentucky, Louisiana, Massachusetts, Maryland, Maine, Michigan, Minnesota, Missouri, Montana, North Carolina, Nebraska, New Jersey, New Mexico, Nevada, New York, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Virginia, Vermont, Washington, Wisconsin, West Virginia, and Wyoming.

2 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, Arizona Department of Health Services, Arkansas Department of Health, California Office of Statewide Health Planning and Development, Colorado Hospital Association, Connecticut Hospital Association, Florida Agency for Health Care Administration, Georgia Hospital Association, Hawaii Health Information Corporation, 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 and Hospitals, 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 Department of Health, Missouri Hospital Industry Data Institute, Montana MHA - An Association of Montana Health Care Providers, 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 Health Policy and Research, Pennsylvania Health Care Cost Containment Council, Rhode Island Department of Health, South Carolina Budget & Control Board, 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 Health Care Authority, Wisconsin Department of Health Services, Wyoming Hospital Associatio

Table 1. Inpatient Quality Provider-Level Indicators for Overall Population

INDICATOR	LABEL	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
IQI #1	Esophageal Resection Volume	4,030	.	.
IQI #2	Pancreatic Resection Volume	12,316	.	.
IQI #2A	Pancreatic Resection Volume - Stratum A	6,532	.	.
IQI #2B	Pancreatic Resection Volume - Stratum B	5,784	.	.
IQI #4	Abdominal Aortic Aneurysm (AAA) Repair Volume	29,922	.	.
IQI #4A	Abdominal Aortic Aneurysm (AAA) Repair Volume - Stratum A	1,182	.	.
IQI #4B	Abdominal Aortic Aneurysm (AAA) Repair Volume - Stratum B	3,962	.	.
IQI #4C	Abdominal Aortic Aneurysm (AAA) Repair Volume - Stratum C	1,316	.	.
IQI #4D	Abdominal Aortic Aneurysm (AAA) Repair Volume - Stratum D	23,462	.	.
IQI #5	Coronary Artery Bypass Graft (CABG) Volume	150,236	.	.
IQI #6	Percutaneous Coronary Intervention (PCI) Volume	401,026	.	.
IQI #7	Carotid Endarterectomy Volume	67,994	.	.
IQI #8	Esophageal Resection Mortality Rate	132	3,309	39.89
IQI #9	Pancreatic Resection Mortality Rate	360	12,237	29.42
IQI #9A	Pancreatic Resection Mortality Rate - Stratum A	179	6,496	27.56
IQI #9B	Pancreatic Resection Mortality Rate - Stratum B	181	5,741	31.53
IQI #11	Abdominal Aortic Aneurysm (AAA) Repair Mortality Rate	1,068	29,752	35.9
IQI #11A	Abdominal Aortic Aneurysm (AAA) Repair Mortality Rate - Stratum A	411	1,150	357.39
IQI #11B	Abdominal Aortic Aneurysm (AAA) Repair Mortality Rate - Stratum B	180	3,924	45.87
IQI #11C	Abdominal Aortic Aneurysm (AAA) Repair Mortality Rate - Stratum C	299	1,284	232.87
IQI #11D	Abdominal Aortic Aneurysm (AAA) Repair Mortality Rate - Stratum D	178	23,394	7.61
IQI #12	Coronary Artery Bypass Graft (CABG) Mortality Rate	3,719	147,568	25.2
IQI #13	Craniotomy Mortality Rate	6,096	103,724	58.77
IQI #14	Hip Replacement Mortality Rate	151	230,060	0.66
IQI #15	Acute Myocardial Infarction (AMI) Mortality Rate	23,481	415,695	56.49
IQI #16	Heart Failure Mortality Rate	21,758	709,221	30.68
IQI #17	Acute Stroke Mortality Rate	34,869	422,518	82.53
IQI #17A	Acute Stroke Mortality Rate - Stratum A	3,679	17,267	213.07
IQI #17B	Acute Stroke Mortality Rate - Stratum B	15,235	69,670	218.67
IQI #17C	Acute Stroke Mortality Rate - Stratum C	15,955	335,581	47.54

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INDICATOR	LABEL	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
IQI #18	Gastrointestinal Hemorrhage Mortality Rate	8,554	383,474	22.31
IQI #19	Hip Fracture Mortality Rate	4,838	191,227	25.3
IQI #20	Pneumonia Mortality Rate	22,170	632,489	35.05
IQI #21	Cesarean Delivery Rate - Uncomplicated	814,271	2,691,427	302.54
IQI #22	Vaginal Birth After Cesarean (VBAC) Delivery Rate - Uncomplicated	46,300	460,147	100.62
IQI #23	Laparoscopic Cholecystectomy Rate	212,513	245,268	866.45
IQI #24	Incidental Appendectomy in the Elderly Rate	3,365	311,243	10.81
IQI #25	Bilateral Cardiac Catheterization Rate	8,923	718,562	12.42
IQI #30	Percutaneous Coronary Intervention (PCI) Mortality Rate	8,198	388,947	21.08
IQI #31	Carotid Endarterectomy Mortality Rate	298	67,763	4.4
IQI #32	Acute Myocardial Infarction (AMI) Mortality Rate - w/o Transfer Cases	19,985	340,526	58.69
IQI #33	Primary Cesarean Delivery Rate - Uncomplicated	400,424	2,231,280	179.46
IQI #34	Vaginal Birth After Cesarean (VBAC) Rate - All	51,830	519,512	99.77

Table 2. Inpatient Quality Area-Level Indicators for Overall Population

INDICATOR	LABEL	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 100,000 (=OBSERVED RATEx100,000)
	AREA-LEVEL INDICATORS			
IQI #26	Coronary Artery Bypass Graft (CABG) Rate	148,871	124,490,203	119.58
IQI #27	Percutaneous Coronary Intervention (PCI) Rate	392,799	124,493,972	315.52
IQI #28	Hysterectomy Rate	200,566	103,365,904	194.03
IQI #29	Laminectomy or Spinal Fusion Rate	466,100	201,202,509	231.66

Provider-Level Indicators

Table 3. IQI #1 - Esophageal Resection Volume

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	4,030	.	
Females	891	.	.
Males	3,139	.	.
18 to 39 years	119	.	.
40 to 64 years	2,058	.	.
65 to 74 years	1,297	.	.
75+ years	60	.	.
Private	1,631	.	.
Medicare	1,857	.	.
Medicaid	349	.	.
Other	129	.	.
Uninsured (self-pay/no charge)	64	.	.

Table 4. IQI #2 - Pancreatic Resection Volume

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	12,316	.	
Females	6,392	.	.
Males	5,924	.	.
18 to 39 years	928	.	.
40 to 64 years	5,566	.	.
65 to 74 years	3,570	.	.
75+ years	400	.	.
Private	4,843	.	.
Medicare	5,661	.	.
Medicaid	957	.	.
Other	423	.	.
Uninsured (self-pay/no charge)	432	.	.

Table 5. IQI #2A - Pancreatic Resection Volume

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	6,532	.	
Females	3,155	.	.
Males	3,377	.	.
18 to 39 years	118	.	.
40 to 64 years	2,630	.	.
65 to 74 years	2,218	.	.
75+ years	155	.	.
Private	2,247	.	.
Medicare	3,509	.	.
Medicaid	424	.	.
Other	184	.	.
Uninsured (self-pay/no charge)	168	.	.

Table 6. IQI #2B - Pancreatic Resection Volume

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	5,784	.	
Females	3,237	.	.
Males	2,547	.	.
18 to 39 years	810	.	.
40 to 64 years	2,936	.	.
65 to 74 years	1,352	.	.
75+ years	245	.	.
Private	2,596	.	.
Medicare	2,152	.	.
Medicaid	533	.	.
Other	239	.	.
Uninsured (self-pay/no charge)	264	.	.

Table 7. IQI #4 - Abdominal Aortic Aneurysm (AAA) Repair Volume

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	29,922	.	
Females	6,392	.	.
Males	23,530	.	.
18 to 39 years	42	.	.
40 to 64 years	4,685	.	.
65 to 74 years	11,318	.	.
75+ years	375	.	.
Private	4,817	.	.
Medicare	23,617	.	.
Medicaid	597	.	.
Other	494	.	.
Uninsured (self-pay/no charge)	397	.	.

Table 8. IQI #4A - Abdominal Aortic Aneurysm (AAA) Repair Volume – Stratum A

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	1,182	.	
Females	281	.	.
Males	901	.	.
18 to 39 years	*****	.	.
40 to 64 years	231 - 240	.	.
65 to 74 years	412	.	.
75+ years	52	.	.
Private	203	.	.
Medicare	850	.	.
Medicaid	41	.	.
Other	32	.	.
Uninsured (self-pay/no charge)	56	.	.

Table 9. IQI #4B - Abdominal Aortic Aneurysm (AAA) Repair Volume – Stratum B

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000
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			(=OBSERVED RATEx1,000)
Overall	3,962	.	
Females	1,097	.	.
Males	2,865	.	.
18 to 39 years	29	.	.
40 to 64 years	968	.	.
65 to 74 years	1,704	.	.
75+ years	75	.	.
Private	887	.	.
Medicare	2,810	.	.
Medicaid	110	.	.
Other	78	.	.
Uninsured (self-pay/no charge)	77	.	.

Table 10. IQI #4C - Abdominal Aortic Aneurysm (AAA) Repair Volume – Stratum C

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	1,316	.	
Females	305	.	.
Males	1,011	.	.
18 to 39 years	.	.	.
40 to 64 years	195	.	.
65 to 74 years	406	.	.
75+ years	46	.	.
Private	208	.	.
Medicare	1,001	.	.
Medicaid	39	.	.
Other	22	.	.
Uninsured (self-pay/no charge)	.	.	.

Table 11. IQI #4D - Abdominal Aortic Aneurysm (AAA) Repair Volume – Stratum D

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	23,462	.	
Females	4,709	.	.
Males	18,753	.	.
18 to 39 years	*****	.	.
40 to 64 years	3,281 - 3,290	.	.
65 to 74 years	8,796	.	.
75+ years	202	.	.
Private	3,519	.	.
Medicare	18,956	.	.
Medicaid	407	.	.
Other	362	.	.
Uninsured (self-pay/no charge)	218	.	.

Table 12. IQI #5 - Coronary Artery Bypass Graft (CABG) Volume

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	150,236	.	
Females	40,797	.	.
Males	109,439	.	.

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18 to 39 years	1,292	.	.
40 to 64 years	61,542	.	.
65 to 74 years	51,042	.	.
75+ years	6,395	.	.
Private	44,751	.	.
Medicare	85,178	.	.
Medicaid	8,812	.	.
Other	4,572	.	.
Uninsured (self-pay/no charge)	6,923	.	.

Table 13. IQI #6 - Percutaneous Coronary Intervention (PCI) Volume

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	401,026	.	.
Females	133,257	.	.
Males	267,769	.	.
18 to 39 years	7,687	.	.
40 to 64 years	188,935	.	.
65 to 74 years	107,628	.	.
75+ years	25,647	.	.
Private	120,587	.	.
Medicare	211,510	.	.
Medicaid	27,717	.	.
Other	13,508	.	.
Uninsured (self-pay/no charge)	27,704	.	.

Table 14. IQI #7 - Carotid Endarterectomy Volume

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	67,994	.	.
Females	28,447	.	.
Males	39,547	.	.
18 to 39 years	54	.	.
40 to 64 years	15,938	.	.
65 to 74 years	25,916	.	.
75+ years	1,105	.	.
Private	12,689	.	.
Medicare	50,584	.	.
Medicaid	2,345	.	.
Other	1,160	.	.
Uninsured (self-pay/no charge)	1,216	.	.

Table 15. IQI #8 - Esophageal Resection Mortality Rate

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	132	3,309	39.89
Females	25	584	42.81
Males	107	2,725	39.27
18 to 39 years	****	41	****
40 to 64 years	52	1,666	31.21
65 to 74 years	46	1,147	40.1
75+ years	****	35	****

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Private	35	1,379	25.38
Medicare	79	1,553	50.87
Medicaid	12	244	49.18
Other	*****	95	*****
Uninsured (self-pay/no charge)	*****	38	*****

Table 16. IQI #9 - Pancreatic Resection Mortality Rate

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	360	12,237	29.42
Females	131	6,352	20.62
Males	229	5,885	38.91
18 to 39 years	32	913	35.05
40 to 64 years	110	5,540	19.86
65 to 74 years	108	3,556	30.37
75+ years	21	396	53.03
Private	82	4,820	17.01
Medicare	210	5,628	37.31
Medicaid	33	943	34.99
Other	13	419	31.03
Uninsured (self-pay/no charge)	22	427	51.52

Table 17. IQI #9A - Pancreatic Resection Mortality Rate – Stratum A

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	179	6,496	27.56
Females	55	3,139	17.52
Males	124	3,357	36.94
18 to 39 years	*****	118	*****
40 to 64 years	34	2,617	12.99
65 to 74 years	65	2,211	29.4
75+ years	*****	155	*****
Private	32	2,241	14.28
Medicare	132	3,488	37.84
Medicaid	*****	419	*****
Other	*****	180	*****
Uninsured (self-pay/no charge)	*****	168	*****

Table 18. IQI #9B - Pancreatic Resection Mortality Rate – Stratum B

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	181	5,741	31.53
Females	76	3,213	23.65
Males	105	2,528	41.53
18 to 39 years	31	795	38.99
40 to 64 years	76	2,923	26
65 to 74 years	43	1,345	31.97
75+ years	19	241	78.84
Private	44 - 53	2,579	17.06 - 20.55
Medicare	78	2,140	36.45
Medicaid	24	524	45.8
Other	*****	239	*****

Uninsured (self-pay/no charge)	20	259	77.22
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Table 19. IQI #11 - Abdominal Aortic Aneurysm (AAA) Repair Mortality Rate

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	1,068	29,752	35.9
Females	319	6,348	50.25
Males	749	23,404	32
18 to 39 years	*****	42	*****
40 to 64 years	106 - 115	4,650	22.80 - 24.73
65 to 74 years	296	11,256	26.3
75+ years	19	373	50.94
Private	113	4,785	23.62
Medicare	891	23,499	37.92
Medicaid	24	591	40.61
Other	21	482	43.57
Uninsured (self-pay/no charge)	19	395	48.1

Table 20. IQI #11A - Abdominal Aortic Aneurysm (AAA) Repair Mortality Rate – Stratum A

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	411	1,150	357.39
Females	99	272	363.97
Males	312	878	355.35
18 to 39 years	*****	*****	*****
40 to 64 years	44 - 53	222 - 231	198.20 - 229.44
65 to 74 years	119	402	296.02
75+ years	12	52	230.77
Private	53	196	270.41
Medicare	322	830	387.95
Medicaid	12	39	307.69
Other	12	29	413.79
Uninsured (self-pay/no charge)	12	56	214.29

Table 21. IQI #11B - Abdominal Aortic Aneurysm (AAA) Repair Mortality Rate – Stratum B

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	180	3,924	45.87
Females	70	1,089	64.28
Males	110	2,835	38.8
18 to 39 years	*****	29	*****
40 to 64 years	20	956	20.92
65 to 74 years	69	1,690	40.83
75+ years	*****	75	*****
Private	15	878	17.08
Medicare	152	2,783	54.62
Medicaid	*****	108	*****
Other	*****	78	*****
Uninsured (self-pay/no charge)	*****	77	*****

Table 22. IQI #11C - Abdominal Aortic Aneurysm (AAA) Repair Mortality Rate – Stratum C

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	299	1,284	232.87
Females	79	297	265.99
Males	220	987	222.9
18 to 39 years	.	.	.
40 to 64 years	22 - 31	191	115.18 - 162.30
65 to 74 years	69	393	175.57
75+ years	*****	44	*****
Private	34	201	169.15
Medicare	255	980	260.2
Medicaid	*****	39	*****
Other	*****	20	*****
Uninsured (self-pay/no charge)	.	.	.

Table 23. IQI #11D - Abdominal Aortic Aneurysm (AAA) Repair Mortality Rate – Stratum D

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	178	23,394	7.61
Females	71	4,690	15.14
Males	107	18,704	5.72
18 to 39 years	*****	*****	*****
40 to 64 years	11	3,268 - 3,277	3.37 - 3.36
65 to 74 years	39	8,771	4.45
75+ years	*****	202	*****
Private	11	3,510	3.13
Medicare	162	18,906	8.57
Medicaid	*****	405	*****
Other	*****	355	*****
Uninsured (self-pay/no charge)	*****	218	*****

Table 24. IQI #12 - Coronary Artery Bypass Graft (CABG) Mortality Rate

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	3,719	147,568	25.2
Females	1,466	39,986	36.66
Males	2,253	107,582	20.94
18 to 39 years	.	.	.
40 to 64 years	919	61,071	15.05
65 to 74 years	1,201	50,585	23.74
75+ years	124	6,141	20.19
Private	575	43,843	13.11
Medicare	2,764	84,261	32.8
Medicaid	182	8,435	21.58
Other	71	4,383	16.2
Uninsured (self-pay/no charge)	127	6,646	19.11

Table 25. IQI #13 - Craniotomy Mortality Rate

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
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Overall	6,096	103,724	58.77
Females	2,986	56,222	53.11
Males	3,110	47,502	65.47
18 to 39 years	429	17,025	25.2
40 to 64 years	2,790	49,430	56.44
65 to 74 years	1,361	21,183	64.25
75+ years	502	4,904	102.37
Private	1,592	41,062	38.77
Medicare	2,953	40,875	72.24
Medicaid	789	12,513	63.05
Other	71	4,383	16.2
Uninsured (self-pay/no charge)	127	6,646	19.11

Table 26. IQI #14 - Hip Replacement Mortality Rate

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	151	230,060	0.66
Females	66	129,634	0.51
Males	85	100,426	0.85
18 to 39 years	*****	3,648	*****
40 to 64 years	26	102,426	0.25
65 to 74 years	36	71,160	0.51
75+ years	*****	1,604	*****
Private	18	92,934	0.19
Medicare	128	121,368	1.05
Medicaid	*****	7,683	*****
Other	*****	6,215	*****
Uninsured (self-pay/no charge)	*****	1,860	*****

Table 27. IQI #15 - Acute Myocardial Infarction (AMI) Mortality Rate

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	23,481	415,695	56.49
Females	10,650	163,031	65.32
Males	12,831	252,664	50.78
18 to 39 years	138	9,044	15.26
40 to 64 years	4,797	169,165	28.36
65 to 74 years	4,811	94,037	51.16
75+ years	991	28,138	35.22
Private	2,810	104,643	26.85
Medicare	17,944	240,218	74.7
Medicaid	1,154	27,549	41.89
Other	539	13,101	41.14
Uninsured (self-pay/no charge)	1,034	30,184	34.26

Table 28. IQI #16 - Heart Failure Mortality Rate

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	21,758	709,221	30.68
Females	10,570	352,868	29.95

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Males	11,188	356,353	31.4
18 to 39 years	230	16,043	14.34
40 to 64 years	2,675	179,444	14.91
65 to 74 years	3,557	145,664	24.42
75+ years	352	23,714	14.84
Private	2,176	75,580	28.79
Medicare	17,603	536,365	32.82
Medicaid	886	57,883	15.31
Other	726	14,252	50.94
Uninsured (self-pay/no charge)	367	25,141	14.6

Table 29. IQI #17 - Acute Stroke Mortality Rate

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	34,869	422,518	82.53
Females	19,005	217,578	87.35
Males	15,864	204,940	77.41
18 to 39 years	769	11,049	69.6
40 to 64 years	8,762	133,122	65.82
65 to 74 years	6,390	90,786	70.39
75+ years	1,973	23,928	82.46
Private	5,684	79,728	71.29
Medicare	23,122	273,397	84.57
Medicaid	2,560	32,479	78.82
Other	1,483	11,575	128.12
Uninsured (self-pay/no charge)	2,020	25,339	79.72

Table 30. IQI #17A - Acute Stroke Mortality Rate – Stratum A

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	3,679	17,267	213.07
Females	2,284	10,652	214.42
Males	1,395	6,615	210.88
18 to 39 years	257	1,795	143.18
40 to 64 years	1,650	9,239	178.59
65 to 74 years	690	2,919	236.38
75+ years	399	1,735	229.97
Private	975	6,140	158.79
Medicare	1,689	6,239	270.72
Medicaid	444	2,298	193.21
Other	162	770	210.39
Uninsured (self-pay/no charge)	409	1,820	224.73

Table 31. IQI #17B - Acute Stroke Mortality Rate – Stratum B

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	15,235	69,670	218.67
Females	7,632	32,187	237.11
Males	7,603	37,483	202.84
18 to 39 years	343	2,454	139.77
40 to 64 years	4,435	22,129	200.42
65 to 74 years	2,927	14,405	203.19
75+ years	958	4,110	233.09

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Private	2,496	13,184	189.32
Medicare	9,900	43,728	226.4
Medicaid	1,272	6,219	204.53
Other	585	2,236	261.63
Uninsured (self-pay/no charge)	982	4,303	228.21

Table 32. IQI #17C - Acute Stroke Mortality Rate – Stratum C

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	15,955	335,581	47.54
Females	9,089	174,739	52.01
Males	6,866	160,842	42.69
18 to 39 years	169	6,800	24.85
40 to 64 years	2,677	101,754	26.31
65 to 74 years	2,773	73,462	37.75
75+ years	616	18,083	34.07
Private	2,213	60,404	36.64
Medicare	11,533	223,430	51.62
Medicaid	844	23,962	35.22
Other	736	8,569	85.89
Uninsured (self-pay/no charge)	629	19,216	32.73

Table 33. IQI #18 - Gastrointestinal Hemorrhage Mortality Rate

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	8,554	383,474	22.31
Females	3,886	187,276	20.75
Males	4,668	196,198	23.79
18 to 39 years	94	21,022	4.47
40 to 64 years	1,969	113,745	17.31
65 to 74 years	1,538	78,368	19.63
75+ years	331	20,079	16.48
Private	987	65,563	15.05
Medicare	6,312	256,050	24.65
Medicaid	626	29,887	20.95
Other	280	10,415	26.88
Uninsured (self-pay/no charge)	349	21,559	16.19

Table 34. IQI #19 - Hip Fracture Mortality Rate

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	4,838	191,227	25.3
Females	2,803	139,145	20.14
Males	2,035	52,082	39.07
18 to 39 years	.	.	.
40 to 64 years	.	.	.
65 to 74 years	413	31,798	12.99
75+ years	24	756	31.75
Private	263	10,072	26.11
Medicare	4,420	176,479	25.05

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Medicaid	42	1,638	25.64
Other	89	2,256	39.45
Uninsured (self-pay/no charge)	24	782	30.69

Table 35. IQI #20 - Pneumonia Mortality Rate

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	22,170	632,489	35.05
Females	11,049	334,343	33.05
Males	11,121	298,146	37.3
18 to 39 years	321	45,285	7.09
40 to 64 years	3,452	184,852	18.67
65 to 74 years	4,106	124,386	33.01
75+ years	338	26,437	12.79
Private	2,518	103,583	24.31
Medicare	17,553	429,369	40.88
Medicaid	1,082	56,586	19.12
Other	663	14,664	45.21
Uninsured (self-pay/no charge)	354	28,287	12.51

Table 36. IQI #21 - Cesarean Delivery Rate - Uncomplicated

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	814,271	2,691,427	302.54
Females	814,271	2,691,427	302.54
Males	.	.	.
18 to 39 years	767,760	2,550,783	300.99
40 to 64 years	35,417	77,604	456.38
65 to 74 years	.	.	.
75+ years	17,646	62,289	283.29
Private	416,027	1,326,309	313.67
Medicare	7,054	19,440	362.86
Medicaid	349,852	1,198,156	291.99
Other	23,270	83,761	277.81
Uninsured (self-pay/no charge)	18,068	63,761	283.37

Table 37. IQI #22 - Vaginal Birth After Cesarean (VBAC) Delivery Rate - Uncomplicated

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	46,300	460,147	100.62
Females	46,300	460,147	100.62
Males	.	.	.
18 to 39 years	44,215	437,595	101.04
40 to 64 years	1,989	21,745	91.47
65 to 74 years	.	.	.
75+ years	1,265	11,093	114.04
Private	21,814	220,935	98.73
Medicare	333	4,125	80.73
Medicaid	21,328	210,453	101.34
Other	1,536	13,278	115.68
Uninsured (self-pay/no charge)	1,289	11,356	113.51

Table 38. IQI #23 - Laparoscopic Cholecystectomy Rate

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	212,513	245,268	866.45
Females	137,968	154,281	894.26
Males	74,545	90,987	819.29
18 to 39 years	63,347	66,760	948.88
40 to 64 years	89,435	103,218	866.47
65 to 74 years	29,860	37,511	796.03
75+ years	23,688	25,650	923.51
Private	80,890	90,714	891.7
Medicare	65,154	81,526	799.18
Medicaid	32,161	35,436	907.58
Other	8,786	9,929	884.88
Uninsured (self-pay/no charge)	25,522	27,663	922.6

Table 39. IQI #24 - Incidental Appendectomy in the Elderly Rate

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	3,365	311,243	10.81
Females	2,033	179,387	11.33
Males	1,332	131,856	10.1
18 to 39 years	.	.	.
40 to 64 years	.	.	.
65 to 74 years	1,991	166,822	11.93
75+ years	14	1,625	8.62
Private	324	28,791	11.25
Medicare	2,960	273,622	10.82
Medicaid	37	4,403	8.4
Other	28	2,707	10.34
Uninsured (self-pay/no charge)	16	1,720	9.3

Table 40. IQI #25 - Bilateral Cardiac Catheterization Rate

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	8,923	718,562	12.42
Females	3,340	268,003	12.46
Males	5,583	450,559	12.39
18 to 39 years	162	13,820	11.72
40 to 64 years	3,858	323,904	11.91
65 to 74 years	2,711	198,038	13.69
75+ years	404	43,705	9.24
Private	2,281	194,742	11.71
Medicare	5,169	399,741	12.93
Medicaid	690	53,540	12.89
Other	337	23,320	14.45
Uninsured (self-pay/no charge)	446	47,219	9.45

Table 41. IQI #30 - Percutaneous Coronary Intervention (PCI) Mortality Rate

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	8,198	388,947	21.08
Females	3,251	129,958	25.02
Males	4,947	258,989	19.1
18 to 39 years	.	.	.
40 to 64 years	2,508	186,821	13.42
65 to 74 years	2,127	106,443	19.98
75+ years	497	23,823	20.86
Private	1,355	115,762	11.71
Medicare	5,602	208,732	26.84
Medicaid	513	25,858	19.84
Other	213	12,827	16.61
Uninsured (self-pay/no charge)	515	25,768	19.99

Table 42. IQI #31 - Carotid Endarterectomy Mortality Rate

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	298	67,763	4.4
Females	121	28,349	4.27
Males	177	39,414	4.49
18 to 39 years	*****	54	*****
40 to 64 years	44	15,891	2.77
65 to 74 years	94	25,827	3.64
75+ years	*****	1,101	*****
Private	29	12,647	2.29
Medicare	248	50,426	4.92
Medicaid	*****	2,332	*****
Other	*****	1,146	*****
Uninsured (self-pay/no charge)	*****	1,212	*****

Table 43. IQI #32 - Acute Myocardial Infarction (AMI) Mortality Rate - w/o Transfer Cases

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	19,985	340,526	58.69
Females	9,210	135,703	67.87
Males	10,775	204,823	52.61
18 to 39 years	112	7,277	15.39
40 to 64 years	3,918	135,939	28.82
65 to 74 years	3,900	74,872	52.09
75+ years	821	23,013	35.68
Private	2,308	84,389	27.35
Medicare	15,424	198,660	77.64
Medicaid	958	22,300	42.96
Other	437	10,467	41.75
Uninsured (self-pay/no charge)	858	24,710	34.72

Table 44. IQI #33 - Primary Cesarean Delivery Rate - Uncomplicated

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
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Overall	400,424	2,231,280	179.46
Females	400,424	2,231,280	179.46
Males	.	.	.
18 to 39 years	374,380	2,113,188	177.16
40 to 64 years	15,661	55,859	280.37
65 to 74 years	.	.	.
75+ years	7,818	51,196	152.71
Private	216,906	1,105,374	196.23
Medicare	3,262	15,315	212.99
Medicaid	160,727	987,703	162.73
Other	11,528	70,483	163.56
Uninsured (self-pay/no charge)	8,001	52,405	152.68

Table 45. IQI #34 - Vaginal Birth After Cesarean (VBAC) Rate - All

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	51,830	519,512	99.77
Females	51,830	519,512	99.77
Males	.	.	.
18 to 39 years	49,405	492,846	100.24
40 to 64 years	2,315	25,749	89.91
65 to 74 years	.	.	.
75+ years	1,485	12,706	116.87
Private	23,882	248,001	96.3
Medicare	395	4,898	80.65
Medicaid	24,325	238,498	101.99
Other	1,714	15,107	113.46
Uninsured (self-pay/no charge)	1,514	13,008	116.39

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Table 46. IQI #26 - Coronary Artery Bypass Graft (CABG) Rate

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 100,000 (=OBSERVED RATEx100,000)
Overall	148,871	124,490,203	119.58
Females	40,369	65,470,626	61.66
Males	108,502	59,019,577	183.84
18 to 39 years	.	.	.
40 to 64 years	61,470	88,042,958	69.82
64 to 74 years	51,041	20,256,861	251.97
75+ years	36,360	16,190,384	224.58

Table 47. IQI #27 - Percutaneous Coronary Intervention (PCI) Rate

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 100,000 (=OBSERVED RATEx100,000)
Overall	392,799	124,493,972	315.52
Females	131,191	65,471,660	200.38
Males	261,608	59,022,312	443.24
18 to 39 years	.	.	.
40 to 64 years	188,398	88,043,635	213.98
64 to 74 years	107,627	20,258,025	531.28
75+ years	96,774	16,192,312	597.65

Table 48. IQI #28 - Hysterectomy Rate

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 100,000 (=OBSERVED RATEx100,000)
Overall	200,566	103,365,904	194.03
Females	200,566	103,365,904	194.03
Males	.	.	.
18 to 39 years	40,285	37,894,783	106.31
40 to 64 years	140,758	44,934,589	313.25
64 to 74 years	14,140	10,795,528	130.98
75+ years	5,383	9,741,004	55.26

Table 49. IQI #29 - Laminectomy or Spinal Fusion Rate

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 100,000 (=OBSERVED RATEx100,000)
Overall	466,100	201,202,509	231.66
Females	237,237	103,366,800	229.51
Males	228,863	97,835,709	233.93
18 to 39 years	53,503	76,709,842	69.75
40 to 64 years	249,276	88,043,854	283.13
64 to 74 years	104,996	20,257,685	518.3
75+ years	58,325	16,191,128	360.23