



Inpatient Quality Indicator Comparative Data: Based on the 2008 Nationwide Inpatient Sample (NIS)

Version 4.3

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Version 4.3a is a maintenance release of Version 4.3. The differences between the two versions are:

- Version 4.3a includes Version 29 of the Limited License edition of the 3MTM APR-DRG Grouper. This grouper corrects an issue found in Version 28 of the Limited License edition of the 3MTM APR-DRG Grouper. The grouper is only used with the Inpatient Quality Indicator (IQI) mortality measures. Version 4.3 includes Version 28 of the Limited License edition of the 3MTM APR-DRG Grouper, which was incorrectly assigning a Risk of Mortality (ROM) subclass for cases dated on or after 10/1/10.
- Version 4.3a allows users to calculate area-level indicators for years 2010 and 2011, correcting an issue previously identified in Version 4.3.

All other aspects of the software, including measure specifications, remain the same. Thus this document (related to Version 4.3) remains unchanged.

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Introduction

The data presented in these tables are nationwide comparative data for the Inpatient Quality Indicators (IQI) calculated using the 2008 Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), Nationwide Inpatient Sample (NIS). The data are generated by calculating the numerators from the NIS without using any weights and then multiplying the numerator by five to account for the 20% sampling of the NIS¹. The Provider Level Rates are presented per 100, while the Area Level Rates are presented per 100,000, unless otherwise noted. The rates for any cells with fewer than 11 cases are not presented.

¹ The approach of multiplying the numerator by five approximates the weight structure used by HCUPnet in their calculation of national rates.

IQI – Provider Level Rates

INDICATOR	LABEL	NUMERATOR	DENOMINATOR	Observed Rate PER 100 (=Observed rate*100)	Risk Adjusted Rate PER 100 =(Risk Adjusted Rate*100)
IQI 01	Esophageal Resection Volume	1,307			
IQI 02	Pancreatic Resection Volume	2,226			
IQI 04	Abdominal Aortic Aneurysm (AAA) Repair Volume	9,791			
IQI 05	Coronary Artery Bypass Graft (CABG) Volume	53,463			
IQI 06	Percutaneous Transluminal Coronary Angioplasty (PTCA) Volume	154,713			
IQI 07	Carotid Endarterectomy Volume	24,529			
IQI 08	Esophageal Resection Mortality Rate	60	1,025	5.85	5.55
IQI 09	Pancreatic Resection Mortality Rate	82	1,561	5.25	5.26
IQI 11	Abdominal Aortic Aneurism (AAA) Repair Mortality Rate	452	9,722	4.65	4.31
IQI 12	Coronary Artery Bypass Graft (CABG) Mortality Rate	1,548	52,485	2.95	2.30
IQI 13	Craniotomy Mortality Rate	1,690	27,204	6.21	5.97
IQI 14	Hip Replacement Mortality Rate	66	51,677	0.13	0.07
IQI 15	Acute Myocardial Infarction (AMI) Mortality Rate	7,817	116,814	6.69	6.25
IQI 16	Congestive Heart Failure (CHF) Mortality Rate	7,400	216,366	3.42	2.81
IQI 17	Acute Stroke Mortality Rate	10,771	108,772	9.90	9.57
IQI 18	Gastrointestinal Hemorrhage Mortality Rate	2,668	106,844	2.50	2.15
IQI 19	Hip Fracture Mortality Rate	1,618	54,269	2.98	2.71
IQI 20	Pneumonia Mortality Rate	8,608	200,821	4.29	3.74
IQI 21	Cesarean Delivery Rate	224,911	765,145	29.39	29.39
IQI 22	Vaginal Birth After Cesarean (VBAC) Delivery Rate, Uncomplicated	10,912	119,400	9.14	9.14
IQI 23	Laparoscopic Cholecystectomy Rate	60,241	73,100	82.41	82.41
IQI 24	Incidental Appendectomy in the Elderly Rate	1,040	91,483	1.14	1.14
IQI 25	Bilateral Cardiac Catheterization Rate	4,356	251,273	1.73	1.73
IQI 30	Percutaneous Transluminal Coronary Angioplasty (PTCA) Mortality Rate	2,289	150,816	1.52	1.23
IQI 31	Carotid Endarterectomy Mortality Rate	111	24,451	0.45	0.32
IQI 32	Acute Myocardial Infarction (AMI) Mortality Rate, Without Transfer Cases	6,770	94,570	7.16	6.78
IQI 33	Primary Cesarean Delivery Rate	116,423	645,745	18.03	18.03
IQI 34	Vaginal Birth After Cesarean (VBAC) Rate, All	12,328	135,915	9.07	9.07

IQI – Provider Level Rates (Males)

INDICATOR	LABEL	NUMERATOR	DENOMINATOR	Observed Rate PER 100 (=Observed rate*100)
IQI 01	Esophageal Resection Volume	1,013		
IQI 02	Pancreatic Resection Volume	1,109		
IQI 04	Abdominal Aortic Aneurysm (AAA) Repair Volume	7,795		
IQI 05	Coronary Artery Bypass Graft (CABG) Volume	38,180		
IQI 06	Percutaneous Transluminal Coronary Angioplasty (PTCA) Volume	102,350		
IQI 07	Carotid Endarterectomy Volume	14,168		
IQI 08	Esophageal Resection Mortality Rate	54	852	6.34
IQI 09	Pancreatic Resection Mortality Rate	52	786	6.62
IQI 11	Abdominal Aortic Aneurysm (AAA) Repair Mortality Rate	306	7,739	3.95
IQI 12	Coronary Artery Bypass Graft (CABG) Mortality Rate	900	37,495	2.40
IQI 13	Craniotomy Mortality Rate	827	12,463	6.64
IQI 14	Hip Replacement Mortality Rate	29	22,592	0.13
IQI 15	Acute Myocardial Infarction (AMI) Mortality Rate	4,054	69,536	5.83
IQI 16	Congestive Heart Failure (CHF) Mortality Rate	3,594	105,498	3.41
IQI 17	Acute Stroke Mortality Rate	4,777	50,933	9.38
IQI 18	Gastrointestinal Hemorrhage Mortality Rate	1,438	52,854	2.72
IQI 19	Hip Fracture Mortality Rate	635	14,500	4.38
IQI 20	Pneumonia Mortality Rate	4,376	93,733	4.67
IQI 21	Cesarean Delivery Rate			
IQI 22	Vaginal Birth After Cesarean (VBAC) Delivery Rate, Uncomplicated			
IQI 23	Laparoscopic Cholecystectomy Rate	20,144	26,518	75.96
IQI 24	Incidental Appendectomy in the Elderly Rate	462	38,448	1.20
IQI 25	Bilateral Cardiac Catheterization Rate	2,681	156,965	1.71
IQI 30	Percutaneous Transluminal Coronary Angioplasty (PTCA) Mortality Rate	1,271	99,417	1.28
IQI 31	Carotid Endarterectomy Mortality Rate	70	14,126	0.50
IQI 32	Acute Myocardial Infarction (AMI) Mortality Rate, Without Transfer Cases	3,473	55,362	6.27
IQI 33	Primary Cesarean Delivery Rate			
IQI 34	Vaginal Birth After Cesarean (VBAC) Rate, All			

IQI – Provider Level Rates (Females)

INDICATOR	LABEL	NUMERATOR	DENOMINATOR	Observed Rate PER 100 (=Observed rate*100)
IQI 01	Esophageal Resection Volume	294		
IQI 02	Pancreatic Resection Volume	1,117		
IQI 04	Abdominal Aortic Aneurysm (AAA) Repair Volume	1,996		
IQI 05	Coronary Artery Bypass Graft (CABG) Volume	15,283		
IQI 06	Percutaneous Transluminal Coronary Angioplasty (PTCA) Volume	52,363		
IQI 07	Carotid Endarterectomy Volume	10,361		
IQI 08	Esophageal Resection Mortality Rate	*****	*****	*****
IQI 09	Pancreatic Resection Mortality Rate	30	775	3.87
IQI 11	Abdominal Aortic Aneurysm (AAA) Repair Mortality Rate	146	1,983	7.36
IQI 12	Coronary Artery Bypass Graft (CABG) Mortality Rate	648	14,990	4.32
IQI 13	Craniotomy Mortality Rate	863	14,741	5.85
IQI 14	Hip Replacement Mortality Rate	37	29,085	0.13
IQI 15	Acute Myocardial Infarction (AMI) Mortality Rate	3,763	47,278	7.96
IQI 16	Congestive Heart Failure (CHF) Mortality Rate	3,806	110,868	3.43
IQI 17	Acute Stroke Mortality Rate	5,994	57,839	10.36
IQI 18	Gastrointestinal Hemorrhage Mortality Rate	1,230	53,990	2.28
IQI 19	Hip Fracture Mortality Rate	983	39,769	2.47
IQI 20	Pneumonia Mortality Rate	4,232	107,088	3.95
IQI 21	Cesarean Delivery Rate	224,911	765,145	29.39
IQI 22	Vaginal Birth After Cesarean (VBAC) Delivery Rate, Uncomplicated	10,912	119,400	9.14
IQI 23	Laparoscopic Cholecystectomy Rate	40,097	46,582	86.08
IQI 24	Incidental Appendectomy in the Elderly Rate	578	53,035	1.09
IQI 25	Bilateral Cardiac Catheterization Rate	1,675	94,308	1.78
IQI 30	Percutaneous Transluminal Coronary Angioplasty (PTCA) Mortality Rate	1,018	51,399	1.98
IQI 31	Carotid Endarterectomy Mortality Rate	41	10,325	0.40
IQI 32	Acute Myocardial Infarction (AMI) Mortality Rate, Without Transfer Cases	3,297	39,208	8.41
IQI 33	Primary Cesarean Delivery Rate	116,423	645,745	18.03
IQI 34	Vaginal Birth After Cesarean (VBAC) Rate, All	12,328	135,915	9.07

*Cell entry fewer than 11, rate is unavailable.

IQI – Provider Level Rates (Ages 0 to 17)

INDICATOR	LABEL	NUMERATOR	DENOMINATOR	Observed Rate PER 100 (=Observed rate*100)
IQI 01	Esophageal Resection Volume			
IQI 02	Pancreatic Resection Volume			
IQI 04	Abdominal Aortic Aneurysm (AAA) Repair Volume			
IQI 05	Coronary Artery Bypass Graft (CABG) Volume			
IQI 06	Percutaneous Transluminal Coronary Angioplasty (PTCA) Volume			
IQI 07	Carotid Endarterectomy Volume			
IQI 08	Esophageal Resection Mortality Rate			
IQI 09	Pancreatic Resection Mortality Rate			
IQI 11	Abdominal Aortic Aneurism (AAA) Repair Mortality Rate			
IQI 12	Coronary Artery Bypass Graft (CABG) Mortality Rate			
IQI 13	Craniotomy Mortality Rate			
IQI 14	Hip Replacement Mortality Rate			
IQI 15	Acute Myocardial Infarction (AMI) Mortality Rate			
IQI 16	Congestive Heart Failure (CHF) Mortality Rate			
IQI 17	Acute Stroke Mortality Rate			
IQI 18	Gastrointestinal Hemorrhage Mortality Rate			
IQI 19	Hip Fracture Mortality Rate			
IQI 20	Pneumonia Mortality Rate			
IQI 21	Cesarean Delivery Rate	4,721	24,705	19.11
IQI 22	Vaginal Birth After Cesarean (VBAC) Delivery Rate, Uncomplicated	35	416	8.41
IQI 23	Laparoscopic Cholecystectomy Rate			
IQI 24	Incidental Appendectomy in the Elderly Rate			
IQI 25	Bilateral Cardiac Catheterization Rate			
IQI 30	Percutaneous Transluminal Coronary Angioplasty (PTCA) Mortality Rate			
IQI 31	Carotid Endarterectomy Mortality Rate			
IQI 32	Acute Myocardial Infarction (AMI) Mortality Rate, Without Transfer Cases			
IQI 33	Primary Cesarean Delivery Rate	4,340	24,289	17.87
IQI 34	Vaginal Birth After Cesarean (VBAC) Rate, All	44	477	9.22

IQI – Provider Level Rates (Ages 18 to 39)

INDICATOR	LABEL	NUMERATOR	DENOMINATOR	Observed Rate PER 100 (=Observed rate*100)
IQI 01	Esophageal Resection Volume	63		
IQI 02	Pancreatic Resection Volume	134		
IQI 04	Abdominal Aortic Aneurysm (AAA) Repair Volume	12		
IQI 05	Coronary Artery Bypass Graft (CABG) Volume	475		
IQI 06	Percutaneous Transluminal Coronary Angioplasty (PTCA) Volume	2,830		
IQI 07	Carotid Endarterectomy Volume	21		
IQI 08	Esophageal Resection Mortality Rate	*****	*****	*****
IQI 09	Pancreatic Resection Mortality Rate	*****	*****	*****
IQI 11	Abdominal Aortic Aneurism (AAA) Repair Mortality Rate	*****	*****	*****
IQI 12	Coronary Artery Bypass Graft (CABG) Mortality Rate			
IQI 13	Craniotomy Mortality Rate	125	4,878	2.56
IQI 14	Hip Replacement Mortality Rate	*****	*****	*****
IQI 15	Acute Myocardial Infarction (AMI) Mortality Rate	45	2,708	1.66
IQI 16	Congestive Heart Failure (CHF) Mortality Rate	74	4,627	1.60
IQI 17	Acute Stroke Mortality Rate	215	2,957	7.27
IQI 18	Gastrointestinal Hemorrhage Mortality Rate	38	6,218	0.61
IQI 19	Hip Fracture Mortality Rate			
IQI 20	Pneumonia Mortality Rate	137	14,466	0.95
IQI 21	Cesarean Delivery Rate	211,815	721,328	29.36
IQI 22	Vaginal Birth After Cesarean (VBAC) Delivery Rate, Uncomplicated	10,393	114,002	9.12
IQI 23	Laparoscopic Cholecystectomy Rate	17,736	19,136	92.68
IQI 24	Incidental Appendectomy in the Elderly Rate			
IQI 25	Bilateral Cardiac Catheterization Rate	81	4,920	1.65
IQI 30	Percutaneous Transluminal Coronary Angioplasty (PTCA) Mortality Rate			
IQI 31	Carotid Endarterectomy Mortality Rate	*****	*****	*****
IQI 32	Acute Myocardial Infarction (AMI) Mortality Rate, Without Transfer Cases	36	2,099	1.72
IQI 33	Primary Cesarean Delivery Rate	108,206	607,326	17.82
IQI 34	Vaginal Birth After Cesarean (VBAC) Rate, All	11,728	129,420	9.06

*Cell entry fewer than 11, rate is unavailable.

IQI – Provider Level Rates (Ages 40 to 64)

INDICATOR	LABEL	NUMERATOR	DENOMINATOR	Observed Rate PER 100 (=Observed rate*100)
IQI 01	Esophageal Resection Volume	649		
IQI 02	Pancreatic Resection Volume	960		
IQI 04	Abdominal Aortic Aneurysm (AAA) Repair Volume	1,574		
IQI 05	Coronary Artery Bypass Graft (CABG) Volume	22,652		
IQI 06	Percutaneous Transluminal Coronary Angioplasty (PTCA) Volume	73,541		
IQI 07	Carotid Endarterectomy Volume	5,822		
IQI 08	Esophageal Resection Mortality Rate	18	512	3.52
IQI 09	Pancreatic Resection Mortality Rate	25	626	3.99
IQI 11	Abdominal Aortic Aneurism (AAA) Repair Mortality Rate	38	1,569	2.42
IQI 12	Coronary Artery Bypass Graft (CABG) Mortality Rate	380	22,493	1.69
IQI 13	Craniotomy Mortality Rate	777	13,368	5.81
IQI 14	Hip Replacement Mortality Rate	*****	*****	*****
IQI 15	Acute Myocardial Infarction (AMI) Mortality Rate	1,456	46,531	3.13
IQI 16	Congestive Heart Failure (CHF) Mortality Rate	822	52,555	1.56
IQI 17	Acute Stroke Mortality Rate	2,487	32,936	7.55
IQI 18	Gastrointestinal Hemorrhage Mortality Rate	561	30,725	1.83
IQI 19	Hip Fracture Mortality Rate			
IQI 20	Pneumonia Mortality Rate	1,298	56,804	2.29
IQI 21	Cesarean Delivery Rate	8,375	19,112	43.82
IQI 22	Vaginal Birth After Cesarean (VBAC) Delivery Rate, Uncomplicated	484	4,982	9.71
IQI 23	Laparoscopic Cholecystectomy Rate	24,992	30,362	82.31
IQI 24	Incidental Appendectomy in the Elderly Rate			
IQI 25	Bilateral Cardiac Catheterization Rate	1,891	115,999	1.63
IQI 30	Percutaneous Transluminal Coronary Angioplasty (PTCA) Mortality Rate	681	73,005	0.93
IQI 31	Carotid Endarterectomy Mortality Rate	15	5,807	0.26
IQI 32	Acute Myocardial Infarction (AMI) Mortality Rate, Without Transfer Cases	1,176	36,136	3.25
IQI 33	Primary Cesarean Delivery Rate	3,877	14,130	27.44
IQI 34	Vaginal Birth After Cesarean (VBAC) Rate, All	556	6,018	9.24

*Cell entry fewer than 11, rate is unavailable.

IQI – Provider Level Rates (Ages 65 to 74)

INDICATOR	LABEL	NUMERATOR	DENOMINATOR	Observed Rate PER 100 (=Observed rate*100)
IQI 01	Esophageal Resection Volume	369		
IQI 02	Pancreatic Resection Volume	673		
IQI 04	Abdominal Aortic Aneurysm (AAA) Repair Volume	3,618		
IQI 05	Coronary Artery Bypass Graft (CABG) Volume	17,016		
IQI 06	Percutaneous Transluminal Coronary Angioplasty (PTCA) Volume	41,575		
IQI 07	Carotid Endarterectomy Volume	8,995		
IQI 08	Esophageal Resection Mortality Rate	22	305	7.21
IQI 09	Pancreatic Resection Mortality Rate	28	520	5.38
IQI 11	Abdominal Aortic Aneurism (AAA) Repair Mortality Rate	130	3,598	3.61
IQI 12	Coronary Artery Bypass Graft (CABG) Mortality Rate	453	16,846	2.69
IQI 13	Craniotomy Mortality Rate	363	4,935	7.36
IQI 14	Hip Replacement Mortality Rate	16	14,957	0.11
IQI 15	Acute Myocardial Infarction (AMI) Mortality Rate	1,447	24,360	5.94
IQI 16	Congestive Heart Failure (CHF) Mortality Rate	1,148	43,258	2.65
IQI 17	Acute Stroke Mortality Rate	1,922	22,248	8.64
IQI 18	Gastrointestinal Hemorrhage Mortality Rate	411	20,801	1.98
IQI 19	Hip Fracture Mortality Rate	149	8,507	1.75
IQI 20	Pneumonia Mortality Rate	1,507	37,824	3.98
IQI 21	Cesarean Delivery Rate			
IQI 22	Vaginal Birth After Cesarean (VBAC) Delivery Rate, Uncomplicated			
IQI 23	Laparoscopic Cholecystectomy Rate	8,478	11,298	75.04
IQI 24	Incidental Appendectomy in the Elderly Rate	602	47,264	1.27
IQI 25	Bilateral Cardiac Catheterization Rate	1,230	67,271	1.83
IQI 30	Percutaneous Transluminal Coronary Angioplasty (PTCA) Mortality Rate	554	41,318	1.34
IQI 31	Carotid Endarterectomy Mortality Rate	28	8,975	0.31
IQI 32	Acute Myocardial Infarction (AMI) Mortality Rate, Without Transfer Cases	1,209	19,166	6.31
IQI 33	Primary Cesarean Delivery Rate			
IQI 34	Vaginal Birth After Cesarean (VBAC) Rate, All			

*Cell entry fewer than 11, rate is unavailable.

IQI – Provider Level Rates (Ages 75+)

INDICATOR	LABEL	NUMERATOR	DENOMINATOR	Observed Rate PER 100 (=Observed rate*100)
IQI 01	Esophageal Resection Volume	226		
IQI 02	Pancreatic Resection Volume	459		
IQI 04	Abdominal Aortic Aneurysm (AAA) Repair Volume	4,587		
IQI 05	Coronary Artery Bypass Graft (CABG) Volume	13,320		
IQI 06	Percutaneous Transluminal Coronary Angioplasty (PTCA) Volume	36,767		
IQI 07	Carotid Endarterectomy Volume	9,691		
IQI 08	Esophageal Resection Mortality Rate	20	185	10.81
IQI 09	Pancreatic Resection Mortality Rate	28	380	7.37
IQI 11	Abdominal Aortic Aneurysm (AAA) Repair Mortality Rate	284	4,543	6.25
IQI 12	Coronary Artery Bypass Graft (CABG) Mortality Rate	715	13,146	5.44
IQI 13	Craniotomy Mortality Rate	425	4,023	10.56
IQI 14	Hip Replacement Mortality Rate	39	13,469	0.29
IQI 15	Acute Myocardial Infarction (AMI) Mortality Rate	4,869	43,215	11.27
IQI 16	Congestive Heart Failure (CHF) Mortality Rate	5,356	115,926	4.62
IQI 17	Acute Stroke Mortality Rate	6,147	50,631	12.14
IQI 18	Gastrointestinal Hemorrhage Mortality Rate	1,658	49,100	3.38
IQI 19	Hip Fracture Mortality Rate	1,469	45,762	3.21
IQI 20	Pneumonia Mortality Rate	5,666	91,727	6.18
IQI 21	Cesarean Delivery Rate			
IQI 22	Vaginal Birth After Cesarean (VBAC) Delivery Rate, Uncomplicated			
IQI 23	Laparoscopic Cholecystectomy Rate	9,035	12,304	73.43
IQI 24	Incidental Appendectomy in the Elderly Rate	438	44,219	0.99
IQI 25	Bilateral Cardiac Catheterization Rate	1,154	63,083	1.83
IQI 30	Percutaneous Transluminal Coronary Angioplasty (PTCA) Mortality Rate	1,054	36,493	2.89
IQI 31	Carotid Endarterectomy Mortality Rate	68	9,648	0.70
IQI 32	Acute Myocardial Infarction (AMI) Mortality Rate, Without Transfer Cases	4,349	37,169	11.70
IQI 33	Primary Cesarean Delivery Rate			
IQI 34	Vaginal Birth After Cesarean (VBAC) Rate, All			

IQI – Provider Level Rates (Payer: Medicare)

INDICATOR	LABEL	NUMERATOR	DENOMINATOR	Observed Rate PER 100 (=Observed rate*100)	Risk Adjusted Rate PER 100 =(Risk Adjusted Rate*100)
IQI 01	Esophageal Resection Volume	565			
IQI 02	Pancreatic Resection Volume	1,049			
IQI 04	Abdominal Aortic Aneurysm (AAA) Repair Volume	7,377			
IQI 05	Coronary Artery Bypass Graft (CABG) Volume	28,407			
IQI 06	Percutaneous Transluminal Coronary Angioplasty (PTCA) Volume	77,522			
IQI 07	Carotid Endarterectomy Volume	17,424			
IQI 08	Esophageal Resection Mortality Rate	36	451	7.98	5.44
IQI 09	Pancreatic Resection Mortality Rate	58	814	7.13	5.86
IQI 11	Abdominal Aortic Aneurysm (AAA) Repair Mortality Rate	363	7,325	4.96	4.41
IQI 12	Coronary Artery Bypass Graft (CABG) Mortality Rate	1,080	28,088	3.85	2.34
IQI 13	Craniotomy Mortality Rate	790	9,537	8.28	6.10
IQI 14	Hip Replacement Mortality Rate	50	27,010	0.19	0.07
IQI 15	Acute Myocardial Infarction (AMI) Mortality Rate	5,904	65,711	8.98	6.26
IQI 16	Congestive Heart Failure (CHF) Mortality Rate	5,881	160,528	3.66	2.71
IQI 17	Acute Stroke Mortality Rate	7,172	69,288	10.35	9.30
IQI 18	Gastrointestinal Hemorrhage Mortality Rate	1,976	69,295	2.85	2.14
IQI 19	Hip Fracture Mortality Rate	1,457	48,819	2.98	2.69
IQI 20	Pneumonia Mortality Rate	6,733	132,876	5.07	3.65
IQI 21	Cesarean Delivery Rate	1,696	5,151	32.93	32.93
IQI 22	Vaginal Birth After Cesarean (VBAC) Delivery Rate, Uncomplicated	86	931	9.24	9.24
IQI 23	Laparoscopic Cholecystectomy Rate	18,164	24,320	74.69	74.69
IQI 24	Incidental Appendectomy in the Elderly Rate	897	78,173	1.15	1.15
IQI 25	Bilateral Cardiac Catheterization Rate	2,418	130,579	1.85	1.85
IQI 30	Percutaneous Transluminal Coronary Angioplasty (PTCA) Mortality Rate	1,527	76,863	1.99	1.24
IQI 31	Carotid Endarterectomy Mortality Rate	89	17,371	0.51	0.34
IQI 32	Acute Myocardial Infarction (AMI) Mortality Rate, Without Transfer Cases	5,195	54,437	9.54	6.79
IQI 33	Primary Cesarean Delivery Rate	851	4,220	20.17	20.17
IQI 34	Vaginal Birth After Cesarean (VBAC) Rate, All	104	1,124	9.25	9.25

IQI – Provider Level Rates (Payer: Medicaid)

INDICATOR	LABEL	NUMERATOR	DENOMINATOR	Observed Rate PER 100 (=Observed rate*100)	Risk Adjusted Rate PER 100 =(Risk Adjusted Rate*100)
IQI 01	Esophageal Resection Volume	84			
IQI 02	Pancreatic Resection Volume	129			
IQI 04	Abdominal Aortic Aneurysm (AAA) Repair Volume	155			
IQI 05	Coronary Artery Bypass Graft (CABG) Volume	2,654			
IQI 06	Percutaneous Transluminal Coronary Angioplasty (PTCA) Volume	8,520			
IQI 07	Carotid Endarterectomy Volume	676			
IQI 08	Esophageal Resection Mortality Rate	*****	*****	*****	*****
IQI 09	Pancreatic Resection Mortality Rate	*****	*****	*****	*****
IQI 11	Abdominal Aortic Aneurysm (AAA) Repair Mortality Rate	*****	*****	*****	*****
IQI 12	Coronary Artery Bypass Graft (CABG) Mortality Rate	67	2,536	2.64	2.61
IQI 13	Craniotomy Mortality Rate	202	2,797	7.22	6.84
IQI 14	Hip Replacement Mortality Rate	*****	*****	*****	*****
IQI 15	Acute Myocardial Infarction (AMI) Mortality Rate	309	6,332	4.88	6.43
IQI 16	Congestive Heart Failure (CHF) Mortality Rate	289	15,514	1.86	2.60
IQI 17	Acute Stroke Mortality Rate	626	7,368	8.50	8.79
IQI 18	Gastrointestinal Hemorrhage Mortality Rate	149	6,989	2.13	2.30
IQI 19	Hip Fracture Mortality Rate	11	466	2.36	2.45
IQI 20	Pneumonia Mortality Rate	445	15,728	2.83	4.15
IQI 21	Cesarean Delivery Rate	87,702	310,929	28.21	28.21
IQI 22	Vaginal Birth After Cesarean (VBAC) Delivery Rate, Uncomplicated	4,257	47,967	8.87	8.87
IQI 23	Laparoscopic Cholecystectomy Rate	6,926	8,041	86.13	86.13
IQI 24	Incidental Appendectomy in the Elderly Rate	11	1,315	0.84	0.84
IQI 25	Bilateral Cardiac Catheterization Rate	265	15,651	1.69	1.69
IQI 30	Percutaneous Transluminal Coronary Angioplasty (PTCA) Mortality Rate	114	7,973	1.43	1.31
IQI 31	Carotid Endarterectomy Mortality Rate	*****	*****	*****	*****
IQI 32	Acute Myocardial Infarction (AMI) Mortality Rate, Without Transfer Cases	257	5,105	5.03	6.85
IQI 33	Primary Cesarean Delivery Rate	43,992	262,962	16.73	16.73
IQI 34	Vaginal Birth After Cesarean (VBAC) Rate, All	4,940	54,841	9.01	9.01

*Cell entry fewer than 11, rate is unavailable.

IQI – Provider Level Rates (Payer: Other)

INDICATOR	LABEL	NUMERATOR	DENOMINATOR	Observed Rate PER 100 (=Observed rate*100)	Risk Adjusted Rate PER 100 =(Risk Adjusted Rate*100)
IQI 01	Esophageal Resection Volume	41			
IQI 02	Pancreatic Resection Volume	65			
IQI 04	Abdominal Aortic Aneurysm (AAA) Repair Volume	153			
IQI 05	Coronary Artery Bypass Graft (CABG) Volume	1,567			
IQI 06	Percutaneous Transluminal Coronary Angioplasty (PTCA) Volume	4,662			
IQI 07	Carotid Endarterectomy Volume	433			
IQI 08	Esophageal Resection Mortality Rate	*****	*****	*****	*****
IQI 09	Pancreatic Resection Mortality Rate	*****	*****	*****	*****
IQI 11	Abdominal Aortic Aneurysm (AAA) Repair Mortality Rate	*****	*****	*****	*****
IQI 12	Coronary Artery Bypass Graft (CABG) Mortality Rate	28	1,500	1.87	2.21
IQI 13	Craniotomy Mortality Rate	65	950	6.84	7.60
IQI 14	Hip Replacement Mortality Rate	*****	*****	*****	*****
IQI 15	Acute Myocardial Infarction (AMI) Mortality Rate	163	3,573	4.56	6.35
IQI 16	Congestive Heart Failure (CHF) Mortality Rate	224	4,226	5.30	5.40
IQI 17	Acute Stroke Mortality Rate	359	2,787	12.88	13.23
IQI 18	Gastrointestinal Hemorrhage Mortality Rate	76	2,807	2.71	2.78
IQI 19	Hip Fracture Mortality Rate	24	812	2.96	2.78
IQI 20	Pneumonia Mortality Rate	212	4,704	4.51	5.28
IQI 21	Cesarean Delivery Rate	5,769	21,216	27.19	27.19
IQI 22	Vaginal Birth After Cesarean (VBAC) Delivery Rate, Uncomplicated	317	3,071	10.32	10.32
IQI 23	Laparoscopic Cholecystectomy Rate	2,318	2,743	84.51	84.51
IQI 24	Incidental Appendectomy in the Elderly Rate	*****	*****	*****	*****
IQI 25	Bilateral Cardiac Catheterization Rate	126	7,868	1.60	1.60
IQI 30	Percutaneous Transluminal Coronary Angioplasty (PTCA) Mortality Rate	52	4,461	1.17	1.22
IQI 31	Carotid Endarterectomy Mortality Rate	*****	*****	*****	*****
IQI 32	Acute Myocardial Infarction (AMI) Mortality Rate, Without Transfer Cases	129	2,828	4.56	6.55
IQI 33	Primary Cesarean Delivery Rate	3,015	18,145	16.62	16.62
IQI 34	Vaginal Birth After Cesarean (VBAC) Rate, All	365	3,576	10.21	10.21

*Cell entry fewer than 11, rate is unavailable.

IQI – Area Level Rates

INDICATOR	LABEL	NUMERATOR	DENOMINATOR	Observed Rate PER 100,000 (=Observed rate*100,000)	Risk Adjusted Rate PER 100,000 (=Risk Adjusted Rate*100,000)
IQI 26	Coronary Artery Bypass Graft (CABG) Rate	264,940	137,998,189	38.40	39.55
IQI 27	Percutaneous Transluminal Coronary Angioplasty (PTCA) Rate	759,415	137,998,189	110.06	112.64
IQI 28	Hysterectomy Rate	452,830	117,913,251	76.81	76.03
IQI 29	Laminectomy or Spinal Fusion Rate	648,365	229,865,472	56.41	57.48

IQI – Area Level Rates (Males)

INDICATOR	LABEL	NUMERATOR	DENOMINATOR	Observed Rate PER 100,000 (=Observed rate*100,000)
IQI 26	Coronary Artery Bypass Graft (CABG) Rate	189,180	65,092,399	58.13
IQI 27	Percutaneous Transluminal Coronary Angioplasty (PTCA) Rate	500,810	65,092,399	153.88
IQI 28	Hysterectomy Rate			
IQI 29	Laminectomy or Spinal Fusion Rate	316,730	111,952,221	56.58

IQI – Area Level Rates (Females)

INDICATOR	LABEL	NUMERATOR	DENOMINATOR	Observed Rate PER 100,000 (=Observed rate*100,000)
IQI 26	Coronary Artery Bypass Graft (CABG) Rate	75,760	72,905,790	20.78
IQI 27	Percutaneous Transluminal Coronary Angioplasty (PTCA) Rate	258,605	72,905,790	70.94
IQI 28	Hysterectomy Rate	452,830	117,913,251	76.81
IQI 29	Laminectomy or Spinal Fusion Rate	331,635	117,913,251	56.25

IQI – Area Level Rates (Ages 18 to 39)

INDICATOR	LABEL	NUMERATOR	DENOMINATOR	Observed Rate PER 100,000 (=Observed rate*100,000)
IQI 26	Coronary Artery Bypass Graft (CABG) Rate			
IQI 27	Percutaneous Transluminal Coronary Angioplasty (PTCA) Rate			
IQI 28	Hysterectomy Rate	110,815	45,007,461	49.24
IQI 29	Laminectomy or Spinal Fusion Rate	95,230	91,867,283	20.73

IQI – Area Level Rates (Ages 40 to 64)

INDICATOR	LABEL	NUMERATOR	DENOMINATOR	Observed Rate PER 100,000 (=Observed rate*100,000)
IQI 26	Coronary Artery Bypass Graft (CABG) Rate	113,260	99,215,970	22.83
IQI 27	Percutaneous Transluminal Coronary Angioplasty (PTCA) Rate	367,705	99,215,970	74.12
IQI 28	Hysterectomy Rate	306,910	50,550,977	121.43
IQI 29	Laminectomy or Spinal Fusion Rate	357,590	99,215,970	72.08

IQI – Area Level Rates (Ages 65 to 74)

INDICATOR	LABEL	NUMERATOR	DENOMINATOR	Observed Rate PER 100,000 (=Observed rate*100,000)
IQI 26	Coronary Artery Bypass Graft (CABG) Rate	85,080	20,130,560	84.53
IQI 27	Percutaneous Transluminal Coronary Angioplasty (PTCA) Rate	207,875	20,130,560	206.53
IQI 28	Hysterectomy Rate	24,375	10,856,686	44.90
IQI 29	Laminectomy or Spinal Fusion Rate	122,230	20,130,560	121.44

IQI – Area Level Rates (Ages 75+)

INDICATOR	LABEL	NUMERATOR	DENOMINATOR	Observed Rate PER 100,000 (=Observed rate*100,000)
IQI 26	Coronary Artery Bypass Graft (CABG) Rate	66,600	18,651,659	71.41
IQI 27	Percutaneous Transluminal Coronary Angioplasty (PTCA) Rate	183,835	18,651,659	197.12
IQI 28	Hysterectomy Rate	10,730	11,498,127	18.66
IQI 29	Laminectomy or Spinal Fusion Rate	73,315	18,651,659	78.61