

AHRQ Quality Indicators

AHRQ Quality Indicator: Risk Adjustment Coefficients for the IQI

Department of Health and Human Services
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Table 1. Risk Adjustment Coefficients for IQI #08— Esophageal Resection Volume

Parameter	Label	DF	Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square
Intercept		1	-3.8815	0.2265	293.7139	<.0001
Age	65 to 74	1	0.4983	0.2738	3.3112	0.0688
Age	75+	1	0.8957	0.2954	9.1947	0.0024
APR-DRG	'1629'	1	1.6892	0.2779	36.9574	<.0001
MDC	6	1	2.7804	0.2836	96.106	<.0001
MDC	OTHER	1	2.3974	0.8411	8.1236	0.0044
c-statistic	0.766					

Table 2. Risk Adjustment Coefficients for IQI #09— Pancreatic Resection Mortality

Parameter	Label	DF	Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square
Intercept		1	-3.595	0.2383	227.5534	<.0001
Sex	Female	1	-0.5729	0.2218	6.6745	0.0098
Age	65 to 74	1	0.641	0.2821	5.1632	0.0231
Age	75+	1	0.9908	0.2652	13.9585	0.0002
APR-DRG	'2603' to '2604'	1	0.9376	0.2482	14.2674	0.0002
MDC	7	1	2.7111	0.4888	30.767	<.0001
MDC	Other	1	1.0136	0.3301	9.4297	0.0021
c-statistic	0.717					

Table 3. Risk Adjustment Coefficients for IQI #11— AAA Repair Mortality

Parameter	Label	DF	Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square
Intercept		1	-6.1888	0.2224	774.3759	<.0001
Sex	Female	1	0.4288	0.1136	14.2558	0.0002
Age	65 to 74	1	0.4506	0.1807	6.2158	0.0127
Age	75 to 79	1	1.1624	0.1874	38.4863	<.0001
Age	80 to 84	1	1.3711	0.1891	52.5659	<.0001
Age	85+	1	1.6313	0.2101	60.2862	<.0001
APR-DRG	'1691' to '1692'	1	1.91	0.1953	95.6603	<.0001
APR-DRG	'1693' to '1694'	1	3.1784	0.2076	234.431	<.0001
APR-DRG	'1733' to '1734'	1	2.2529	0.227	98.4816	<.0001
MDC	5	1	3.1733	0.2233	201.9927	<.0001
MDC	Other	1	3.0364	0.2938	106.8306	<.0001
RUPTURED		1	1.8117	0.1389	170.0351	<.0001
c-statistic	0.909					

Table 4. Risk Adjustment Coefficients for IQI #12— CABG Mortality

Parameter	Label	DF	Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square
Intercept		1	-5.5584	0.1655	1127.9205	<.0001
Sex	Female	1	0.3537	0.0498	50.384	<.0001
Age	40 to 49	1	-0.4934	0.1563	9.9619	0.0016
Age	50 to 54	1	-0.3632	0.1411	6.6268	0.01
Age	55 to 59	1	-0.3226	0.1173	7.5635	0.006
Age	65 to 84	1	0.1919	0.0776	6.1097	0.0134
Age	85+	1	0.7057	0.1182	35.6658	<.0001
APR-DRG	'1611' to '1612'	1	1.823	0.3899	21.8585	<.0001
APR-DRG	'1613'	1	3.2934	0.2398	188.5506	<.0001
APR-DRG	'1614'	1	3.8683	0.2771	194.9419	<.0001
APR-DRG	'1621' to '1622'	1	1.9362	0.186	108.3727	<.0001
APR-DRG	'1623'	1	3.3585	0.1755	366.3713	<.0001
APR-DRG	'1624'	1	4.0058	0.1995	403.0216	<.0001
APR-DRG	'1631' to '1632'	1	1.5649	0.1831	73.0088	<.0001
APR-DRG	'1633'	1	3.2771	0.1847	314.8074	<.0001
APR-DRG	'1634'	1	4.3895	0.2137	421.7753	<.0001
APR-DRG	'1652'	1	0.7883	0.1739	20.5395	<.0001
APR-DRG	'1653'	1	2.3433	0.1639	204.2934	<.0001
APR-DRG	'1654'	1	3.5268	0.1744	409.1229	<.0001
APR-DRG	'1661'	1	0.5066	0.1746	8.4149	0.0037
APR-DRG	'1663'	1	2.5277	0.1814	194.1402	<.0001
APR-DRG	'1664'	1	3.733	0.2062	327.6303	<.0001
MDC	5	1	4.3742	0.1712	652.5993	<.0001
MDC	OTHER	1	2.6159	0.231	128.2859	<.0001
c-statistic	0.836					

Table 5. Risk Adjustment Coefficients for IQI #13— Craniotomy Mortality

Parameter	Label	DF	Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square
Intercept		1	-4.3508	0.0978	1978.3487	<.0001
Age	18 to 24	1	-0.8163	0.1949	17.5386	<.0001
Age	25 to 59	1	-0.1597	0.0787	4.1142	0.0425
Age	65 to 85+	1	0.1261	0.0788	2.5638	0.1093
APR-DRG	'0212'	1	1.4101	0.0947	221.9279	<.0001
APR-DRG	'0213'	1	3.0032	0.0822	1336.081	<.0001
APR-DRG	'0214'	1	4.0545	0.0886	2092.0789	<.0001
APR-DRG	'0221' to '0222'	1	-0.5807	0.2005	8.3911	0.0038
APR-DRG	'0223'	1	1.4325	0.3499	16.7625	<.0001
APR-DRG	'0224'	1	3.5827	0.1528	549.8661	<.0001
APR-DRG	'0231' to '0232'	1	-1.2243	0.4154	8.687	0.0032
APR-DRG	'0233' to '0234'	1	1.2291	0.3931	9.7773	0.0018
APR-DRG	'0241' to '0242'	1	0.6438	0.1435	20.1296	<.0001
APR-DRG	'0243'	1	2.9958	0.2259	175.8772	<.0001
APR-DRG	'0244'	1	3.8637	0.2505	237.8197	<.0001
MDC	1	1	0.4832	0.4185	1.3329	0.2483
TRANSFER		1	0.1399	0.0688	4.1324	0.0421
c-statistic	0.865					

Table 6. Risk Adjustment Coefficients for IQI #14— Hip Replacement Mortality

Parameter	Label	DF	Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square
Intercept		1	-7.7445	0.5881	173.4161	<.0001
Sex	Female	1	-0.5268	0.2494	4.4613	0.0347
Age	18 to 59	1	-0.2796	0.7318	0.146	0.7024
Age	65 to 85+	1	1.2089	0.5983	4.0827	0.0433
APR-DRG	'3013' to '3014'	1	3.4414	0.2791	152.0323	<.0001
MDC	8	1	5.5001	0.8189	45.1135	<.0001
MDC	Other	1	2.5543	1.0188	6.2858	0.0122
c-statistic	0.666					

Table 7. Risk Adjustment Coefficients for IQI #15— AMI Mortality

Parameter	Label	DF	Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square
Intercept		1	-5.5309	0.1025	2912.8843	<.0001
Age	18 to 39	1	-0.5723	0.1438	15.8301	<.0001
Age	40 to 44	1	-0.7079	0.1302	29.5492	<.0001
Age	45 to 49	1	-0.2508	0.0847	8.777	0.0031
Age	50 to 54	1	-0.23	0.0716	10.3304	0.0013
Age	55 to 59	1	-0.1458	0.0644	5.1317	0.0235
Age	65 to 69	1	0.1264	0.0462	7.4857	0.0062
Age	80 to 84	1	0.123	0.0506	5.9012	0.0151
Age	85+	1	0.1959	0.0487	16.1528	<.0001
APR-DRG	'1611' to '1612'	1	1.1742	0.3682	10.1694	0.0014
APR-DRG	'1613' to '1614'	1	2.87	0.1589	326.1709	<.0001
APR-DRG	'1621' to '1622'	1	2.3699	0.253	87.7313	<.0001
APR-DRG	'1623'	1	3.9284	0.1762	497.1341	<.0001
APR-DRG	'1624'	1	4.6219	0.1993	537.5819	<.0001
APR-DRG	'1651' to '1652'	1	1.0558	0.1471	51.5343	<.0001
APR-DRG	'1653'	1	2.6729	0.1227	474.6562	<.0001
APR-DRG	'1654'	1	3.8062	0.1407	731.6044	<.0001
APR-DRG	'1731' to '1734'	1	3.8338	0.1753	478.5413	<.0001
APR-DRG	'1742'	1	1.4064	0.1109	160.7569	<.0001
APR-DRG	'1743'	1	3.035	0.1096	766.6736	<.0001
APR-DRG	'1744'	1	4.4992	0.1026	1922.9611	<.0001
APR-DRG	'1901'	1	1.4033	0.1255	125.084	<.0001
APR-DRG	'1902'	1	2.3416	0.1028	519.1431	<.0001
APR-DRG	'1903'	1	3.3619	0.0984	1167.0483	<.0001
APR-DRG	'1904'	1	4.9943	0.0982	2585.3541	<.0001
MDC	5	1	3.5402	0.1069	1096.7232	<.0001
TRANSFER		1	-0.2032	0.0352	33.3572	<.0001
c-statistic	0.84					

Table 8. Risk Adjustment Coefficients for IQI #16— Congestive Heart Failure (CHF) Morality

Parameter	Label	DF	Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square
Intercept		1	-4.7839	0.0823	3378.3157	<.0001
Sex	Female	1	-0.0911	0.0209	19.0002	<.0001
Age	18 to 49	1	-0.2514	0.0732	11.804	0.0006
Age	50 to 54	1	-0.2272	0.0827	7.5415	0.006
Age	55 to 59	1	-0.2825	0.0773	13.3418	0.0003
Age	65 to 84	1	0.1631	0.0504	10.469	0.0012
Age	85+	1	0.7243	0.0515	197.8711	<.0001
APR-DRG	'1611'	1	-1.1553	0.3586	10.3805	0.0013
APR-DRG	'1612'	1	-0.6313	0.1934	10.6579	0.0011
APR-DRG	'1613'	1	0.7929	0.1423	31.039	<.0001
APR-DRG	'1614'	1	1.8894	0.2073	83.0999	<.0001
APR-DRG	'1621' to '1622'	1	2.1927	0.28	61.3336	<.0001
APR-DRG	'1623'	1	2.6975	0.1607	281.9045	<.0001
APR-DRG	'1624'	1	3.6497	0.266	188.2639	<.0001
APR-DRG	'1751' to '1753'	1	0.6797	0.1588	18.3176	<.0001
APR-DRG	'1754'	1	2.8205	0.1979	203.1824	<.0001
APR-DRG	'1801'	1	1.8301	0.4625	15.6542	<.0001
APR-DRG	'1802'	1	1.6692	0.2363	49.9107	<.0001
APR-DRG	'1803'	1	1.6408	0.194	71.5463	<.0001
APR-DRG	'1804'	1	2.7686	0.2335	140.5392	<.0001
APR-DRG	'1911' to '1912'	1	-0.4695	0.1509	9.6757	0.0019
APR-DRG	'1913'	1	1.2774	0.1231	107.6451	<.0001
APR-DRG	'1914'	1	2.9823	0.1317	512.9154	<.0001
APR-DRG	'1942'	1	0.6476	0.0657	97.033	<.0001
APR-DRG	'1943'	1	1.8847	0.0648	846.9303	<.0001
APR-DRG	'1944'	1	3.2483	0.0667	2372.9607	<.0001
MDC	Other	1	2.2905	0.0758	912.3289	<.0001
TRANSFER		1	1.1037	0.0448	607.7695	<.0001
NOPOUB04		1	-0.1627	0.0384	17.9336	<.0001
c-statistic	0.787					

Table 9. Risk Adjustment Coefficients for IQI #17— Acute Stroke Mortality

Parameter	Label	DF	Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square
Intercept		1	-4.7779	0.0769	3858.0353	<.0001
Sex	Female	1	0.1078	0.0211	26.1546	<.0001
Age	18 to 59	1	-0.0757	0.046	2.7121	0.0996
Age	65 to 84	1	0.1175	0.0432	7.4105	0.0065
Age	85+	1	0.5668	0.0465	148.6231	<.0001
APR-DRG	'0211'	1	1.7643	0.1294	185.9403	<.0001
APR-DRG	'0212'	1	2.4825	0.0973	651.6229	<.0001
APR-DRG	'0213'	1	3.7058	0.0698	2816.9317	<.0001
APR-DRG	'0214'	1	4.9984	0.0836	3571.2592	<.0001
APR-DRG	'0221'	1	2.674	0.748	12.7817	0.0004
APR-DRG	'0222'	1	3.8615	0.8397	21.1481	<.0001
APR-DRG	'0223' to '0224'	1	4.1158	0.1545	709.9606	<.0001
APR-DRG	'0231' to '0232'	1	1.4175	0.7233	3.8409	0.05
APR-DRG	'0233'	1	2.4873	1.0574	5.533	0.0187
APR-DRG	'0234'	1	5.1445	0.9157	31.5641	<.0001
APR-DRG	'0241'	1	1.8727	0.2058	82.7812	<.0001
APR-DRG	'0242'	1	1.2825	0.1443	78.9862	<.0001
APR-DRG	'0243'	1	2.6817	0.1785	225.6238	<.0001
APR-DRG	'0244'	1	4.365	0.2043	456.556	<.0001
APR-DRG	'0261' to '0263'	1	0.657	0.2763	5.6526	0.0174
APR-DRG	'0264'	1	3.2603	0.4267	58.3851	<.0001
APR-DRG	'0441'	1	2.4298	0.0839	838.6868	<.0001
APR-DRG	'0442'	1	2.4859	0.0657	1431.897	<.0001
APR-DRG	'0443'	1	3.7908	0.068	3105.1918	<.0001
APR-DRG	'0444'	1	5.7568	0.0659	7636.1247	<.0001
APR-DRG	'0452'	1	1.319	0.0636	430.6596	<.0001
APR-DRG	'0453'	1	2.5344	0.0655	1497.4027	<.0001
APR-DRG	'0454'	1	4.5409	0.065	4887.2957	<.0001
MDC	OTHER	1	2.9747	0.076	1530.5147	<.0001
NOPOUB04		1	-0.1218	0.0391	9.6938	0.0018
c-statistic	0.867					

Table 10. Risk Adjustment Coefficients for IQI #18— Gastrointestinal Hemorrhage Mortality

Parameter	Label	DF	Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square
Intercept		1	-4.9398	0.1126	1924.0822	<.0001
Age	18 to 59	1	-0.2965	0.079	14.088	0.0002
Age	65 to 85+	1	-0.0774	0.071	1.1897	0.2754
APR-DRG	'2201'	1	2.1735	0.2815	59.5954	<.0001
APR-DRG	'2202'	1	3.1192	0.1674	347.1631	<.0001
APR-DRG	'2203'	1	3.6192	0.1693	456.9285	<.0001
APR-DRG	'2204'	1	4.2114	0.1786	556.042	<.0001
APR-DRG	'2211'	1	1.6253	0.2517	41.689	<.0001
APR-DRG	'2212'	1	2.6266	0.1705	237.2128	<.0001
APR-DRG	'2213'	1	3.1793	0.1829	302.2699	<.0001
APR-DRG	'2214'	1	3.9948	0.2133	350.7657	<.0001
APR-DRG	'2411' to '2413'	1	0.5478	0.1063	26.5532	<.0001
APR-DRG	'2414'	1	3.3789	0.1228	757.4054	<.0001
APR-DRG	'2421' to '2423'	1	0.8485	0.1435	34.9789	<.0001
APR-DRG	'2424'	1	3.759	0.1871	403.6886	<.0001
APR-DRG	'2441' to '2442'	1	-0.6038	0.1569	14.8119	0.0001
APR-DRG	'2443'	1	1.3852	0.1675	68.351	<.0001
APR-DRG	'2444'	1	2.805	0.2217	160.1017	<.0001
APR-DRG	'2532'	1	1.1375	0.1061	114.9845	<.0001
APR-DRG	'2533'	1	2.6386	0.1027	659.8818	<.0001
APR-DRG	'2534'	1	3.966	0.1118	1257.6056	<.0001
APR-DRG	'2541' to '2534'	1	0.9522	0.1252	57.8663	<.0001
APR-DRG	'2544'	1	3.7078	0.1967	355.1874	<.0001
MDC	OTHER	1	2.0508	0.1154	315.7461	<.0001
TRANSFER		1	0.6498	0.1009	41.4807	<.0001
c-statistic	0.801					

Table 11. Risk Adjustment Coefficients for IQI #19— Hip Fracture Mortality

Parameter	Label	DF	Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square
Intercept		1	-4.7106	0.1757	718.5872	<.0001
Sex	Female	1	-0.618	0.0482	164.6048	<.0001
Age	70 to 84	1	0.2934	0.1345	4.757	0.0292
Age	85+	1	0.8633	0.133	42.1391	<.0001
APR-DRG	'3011' to '3012'	1	0.6775	0.1108	37.3896	<.0001
APR-DRG	'3013'	1	2.0114	0.1247	260.3111	<.0001
APR-DRG	'3014'	1	3.42	0.1619	446.0751	<.0001
APR-DRG	'3082'	1	0.8711	0.1083	64.6453	<.0001
APR-DRG	'3083'	1	1.6901	0.1218	192.6662	<.0001
APR-DRG	'3084'	1	3.3395	0.149	502.5498	<.0001
APR-DRG	'3401'	1	1.6847	0.172	95.9664	<.0001
APR-DRG	'3402'	1	2.4317	0.1232	389.4181	<.0001
APR-DRG	'3403'	1	3.6119	0.1282	793.2462	<.0001
APR-DRG	'3404'	1	4.897	0.1803	737.5389	<.0001
MDC	8	1	2.9954	0.2052	213.1684	<.0001
MDC	24	1	2.0906	0.1527	187.3945	<.0001
TRANSFER		1	-0.6047	0.1426	17.9742	<.0001
NOPOUB04		1	-0.2743	0.0835	10.7754	0.001
c-statistic	0.781					

Table 12. Risk Adjustment Coefficients for IQI #20— Pneumonia Mortality

Parameter	Label	DF	Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square
Intercept		1	-5.2951	0.0727	5298.8772	<.0001
Sex	Female	1	-0.086	0.0204	17.7729	<.0001
Age	18 to 24	1	-1.3808	0.1826	57.175	<.0001
Age	25 to 29	1	-0.7709	0.1657	21.6467	<.0001
Age	30 to 34	1	-0.902	0.1728	27.2474	<.0001
Age	35 to 39	1	-0.7524	0.1348	31.1691	<.0001
Age	40 to 44	1	-0.6298	0.1067	34.8258	<.0001
Age	45 to 49	1	-0.4094	0.0839	23.805	<.0001
Age	50 to 54	1	-0.2398	0.0741	10.4561	0.0012
Age	55 to 59	1	-0.1395	0.068	4.2135	0.0401
Age	80 to 84	1	0.1353	0.0472	8.204	0.0042
Age	85+	1	0.6544	0.0486	181.072	<.0001
APR-DRG	'1211'		2.3317	0.2424	92.4967	<.0001
APR-DRG	'1212'		3.0907	0.2437	160.8801	<.0001
APR-DRG	'1213'		3.7813	0.1906	393.5565	<.0001
APR-DRG	'1214'		4.4652	0.3292	183.9698	<.0001
APR-DRG	'1301'		4.1444	0.13	1016.692	<.0001
APR-DRG	'1302'		4.4796	0.0861	2704.0825	<.0001
APR-DRG	'1303' to '1304'		4.7612	0.0739	4149.821	<.0001
APR-DRG	'1371'		0.6835	0.2058	11.028	0.0009
APR-DRG	'1372'		1.9055	0.0823	535.9019	<.0001
APR-DRG	'1373'		2.8942	0.0765	1430.6224	<.0001
APR-DRG	'1374'		3.8094	0.0855	1986.5583	<.0001
APR-DRG	'1392'		1.5301	0.0639	572.8548	<.0001
APR-DRG	'1393'		2.8703	0.0638	2023.8499	<.0001
APR-DRG	'1394'		4.106	0.069	3545.5669	<.0001
MDC	4		3.2777	0.076	1859.0451	<.0001
MDC	25		1.9735	0.1451	184.8627	<.0001
TRANSFER		1	0.7565	0.0453	278.5969	<.0001
c-statistic	0.82					

Table 13. Risk Adjustment Coefficients for IQI #30— PTCA Mortality

Parameter	Label	DF	Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square
Intercept		1	-8.103	0.1892	1833.6033	<.0001
Sex	Female	1	0.1963	0.0445	19.4537	<.0001
Age	40 to 59	1	-0.1966	0.0882	4.9698	0.0258
Age	54 to 74	1	0.2213	0.0838	6.9696	0.0083
Age	75 to 79	1	0.494	0.089	30.7954	<.0001
Age	80 to 84	1	0.7121	0.0896	63.1971	<.0001
Age	85+	1	0.9988	0.094	112.8227	<.0001
XCV7	'1653' to '1654'	1	5.4367	0.1979	754.6098	<.0001
XCV8	'1741'	1	2.1583	0.1847	136.5049	<.0001
XCV9	'1742'	1	3.4075	0.169	406.3311	<.0001
XCV10	'1743'	1	4.987	0.1681	880.0752	<.0001
XCV11	'1744'	1	6.5069	0.1634	1586.6957	<.0001
XCV12	'1752'	1	1.6049	0.1908	70.7398	<.0001
XCV13	'1753'	1	3.5558	0.1879	358.1517	<.0001
XCV14	'1754'	1	5.6858	0.1825	970.5981	<.0001
MDC	4	1	5.1047	0.1989	658.7486	<.0001
MDC	5	1	4.6865	0.1782	691.5277	<.0001
MDC	8	1	5.0961	0.2476	423.7293	<.0001
MDC	18	1	5.5861	0.2457	516.8031	<.0001
MDC	Other	1	4.8713	0.1879	672.1156	<.0001
TRANSFER		1	-0.2195	0.0606	13.1348	0.0003
NOPOUB04		1	0.2302	0.0859	7.1811	0.0074
c-statistic	0.926					

Table 14. Risk Adjustment Coefficients for IQI #31— Carotid Endarterectomy Mortality

Parameter	Label	DF	Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square
Intercept		1	-6.7639	0.3273	427.0058	<.0001
Age	18 to 59	1	-0.2683	0.4254	0.3978	0.5282
Age	65 to 85+	1	0.2311	0.2984	0.5999	0.4386
APR-DRG	'0242' to '0244'	1	1.4449	0.2435	35.2038	<.0001
MDC	1	1	4.8932	0.4347	126.6903	<.0001
MDC	5	1	3.3153	0.2493	176.8522	<.0001
MDC	OTHER	1	3.1313	0.3788	68.3355	<.0001
c-statistic	0.791					

Table 15. Risk Adjustment Coefficients for IQI #32— AMI Mortality without Transfer

Parameter	Label	DF	Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square
Intercept		1	-5.547	0.1165	2265.8252	<.0001
Age	18 to 39	1	-0.5633	0.1555	13.1163	0.0003
Age	40 to 44	1	-0.8479	0.1518	31.2114	<.0001
Age	45 to 49	1	-0.2378	0.092	6.6777	0.0098
Age	50 to 54	1	-0.1965	0.0774	6.4394	0.0112
Age	55 to 59	1	-0.1529	0.0705	4.702	0.0301
Age	65 to 84	1	0.1024	0.0494	4.2935	0.0383
Age	85+	1	0.1602	0.0526	9.2791	0.0023
APR-DRG	'1611' to '1614'		2.3049	0.1885	149.5439	<.0001
APR-DRG	'1621' to '1622'		2.6022	0.2722	91.4184	<.0001
APR-DRG	'1623'		4.0904	0.1976	428.382	<.0001
APR-DRG	'1624'		4.5735	0.2273	405.0203	<.0001
APR-DRG	'1651' to '1652'		1.0541	0.1702	38.3341	<.0001
APR-DRG	'1653'		2.6411	0.1405	353.2873	<.0001
APR-DRG	'1654'		3.7736	0.1611	548.9976	<.0001
APR-DRG	'1731' to '1734'		3.8506	0.1993	373.1832	<.0001
APR-DRG	'1742'		1.4819	0.1256	139.1057	<.0001
APR-DRG	'1743'		3.0768	0.1246	609.7831	<.0001
APR-DRG	'1744'		4.5534	0.1169	1516.4966	<.0001
APR-DRG	'1901'		1.4896	0.1395	114.0264	<.0001
APR-DRG	'1902'		2.3685	0.1167	411.6313	<.0001
APR-DRG	'1903'		3.4042	0.112	923.1996	<.0001
APR-DRG	'1904'		5.0095	0.1121	1997.3244	<.0001
MDC	5		3.7358	0.1237	911.7123	<.0001
c-statistic	0.831					

Table 16. Indicators that use the Observed Rate for Risk Adjustment

Indicator	Risk Adjustment
IQI #21 – Cesarean section delivery rate	Risk adjustment = Observed rate
IQI #22 – Vaginal birth after cesarean rate – uncomplicated	Risk adjustment = Observed rate
IQI #23 – Laparoscopic Cholecystectomy rate	Risk adjustment = Observed rate
IQI #24 – Incidental appendectomy among the elderly rate	Risk adjustment = Observed rate
IQI #25 – Bilateral cardiac catheterization rate	Risk adjustment = Observed rate
IQI #33 – Primary cesarean section delivery rate	Risk adjustment = Observed rate
IQI #34 – Vaginal birth after cesarean rate - all	Risk adjustment = Observed rate

Table A.1. Population Age Categories

POPCAT	AGE RANGE
1	low - 4
2	5 - 9
3	10 - 14
4	15 - 17
5	18 - 24
6	25 - 29
7	30 - 34
8	35 - 39
9	40 - 44
10	45 - 49
11	50 - 54
12	55 - 59
13	60 - 64
14	65 - 69
15	70 - 74
16	75 - 79
17	80 - 84
18	85 - high

Table A.2. Major Diagnostic Classification (MDC) Categories

MDC	Description
1	DISEASES & DISORDERS OF THE NERVOUS SYSTEM
2	DISEASES & DISORDERS OF THE EYE
3	DISEASES & DISORDERS OF THE EAR, NOSE, MOUTH & THROAT
4	DISEASES & DISORDERS OF THE RESPIRATORY SYSTEM
5	DISEASES & DISORDERS OF THE CIRCULATORY SYSTEM
6	DISEASES & DISORDERS OF THE DIGESTIVE SYSTEM
7	DISEASES & DISORDERS OF THE HEPATOBILIARY SYSTEM & PANCREAS
8	DISEASES & DISORDERS OF THE MUSCULOSKELETAL SYSTEM & CONN TISSUE
9	DISEASES & DISORDERS OF THE SKIN, SUBCUTANEOUS TISSUE & BREAST
10	ENDOCRINE, NUTRITIONAL & METABOLIC DISEASES & DISORDERS
11	DISEASES & DISORDERS OF THE KIDNEY & URINARY TRACT
12	DISEASES & DISORDERS OF THE MALE REPRODUCTIVE SYSTEM
13	DISEASES & DISORDERS OF THE FEMALE REPRODUCTIVE SYSTEM
14	PREGNANCY, CHILDBIRTH & THE PUERPERIUM
15	NEWBORNS & OTHER NEONATES WITH CONDTN ORIG IN PERINATAL PERIOD
16	DISEASES & DISORDERS OF BLOOD, BLOOD FORMING ORGANS, IMMUNOLOG DISORD
17	MYELOPROLIFERATIVE DISEASES & DISORDERS, POORLY DIFFERENTIATED NEOPLASM
18	INFECTIOUS & PARASITIC DISEASES, SYSTEMIC OR UNSPECIFIED SITES
19	MENTAL DISEASES & DISORDERS
20	ALCOHOL/DRUG USE & ALCOHOL/DRUG INDUCED ORGANIC MENTAL DISORDERS
21	INJURIES, POISONINGS & TOXIC EFFECTS OF DRUGS
22	BURNS
23	FACTORS INFLUENCING HLTH STAT & OTHR CONTACTS WITH HLTH SERVCS
24	MULTIPLE SIGNIFICANT TRAUMA
25	HUMAN IMMUNODEFICIENCY VIRUS INFECTIONS

Table A.3. Transfer, Procedure Days, UB-04 Categories

Category	Description	Definition
TRNSFER	Transfer-in	If admission type (ATYPE) not equal to '4' (newborn) and - admission source (ASOURCE) equal to '2' (Another Hospital) or - point of origin (POINTOFORIGINUB04) equal to '4' (Transfer from a Hospital)
NOPOUB04	UB-04 Point-of-Origin Data Not Available	If admission source (ASOURCE) is not equal to missing and point of origin (POINTOFORIGINUB04) is equal to missing
NOPRDAY	Procedure Days Data Not Available	If PRDAY1 and PRDAY2 and . . . PRDAYn is equal to missing, where n is the number of Procedure Codes reported the user's data.