

AHRQ Quality IndicatorsTM



PREVENTION QUALITY INDICATORS™ (PQI)

PARAMETER ESTIMATES

Version 2020

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Executive Summary

This document provides statistical parameters associated with Version 2020 of Agency for Healthcare Research and Quality (AHRQ) Quality Indicators™ (QI) Prevention Quality Indicators (PQI). The parameter estimates derived for the AHRQ QI are based on analysis of the 2017 Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP) State Inpatient Databases (SID).¹

HCUP is a family of healthcare databases and related software tools and products developed through a Federal-State-Industry partnership.² 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 contain 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 (LOS), expected payer, admission and discharge dates and discharge disposition. In 2017, the HCUP databases represent more than 97 percent of all annual discharges in the U.S.³

The analytic dataset used to generate the risk adjustment regression models in this document consists of the same hospital discharge records that comprise the reference population for Version 2020 of the AHRQ QI software. This reference population file was limited to community hospitals and excludes rehabilitation and long-term acute care (LTAC) hospitals. Information on the type of hospital was

¹ Healthcare Cost and Utilization Project (HCUP) 2017 State Inpatient Databases (SID). Agency for Healthcare Research and Quality, Rockville, MD

² The AHRQ QI program would like to acknowledge the HCUP Partner organizations that participated in the HCUP SID: Alaska Department of Health and Social Services, 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, 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, University of Hawaii, Hilo Center for Rural Health Science, 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 Health Authority, 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 Health Care Authority, Wisconsin Department of Health Services, Wyoming Hospital Association.

³ The states included in the analysis are Alaska, Arkansas, Arizona, California, Colorado, Connecticut, Delaware, District of Columbia, Florida, Georgia, Hawaii, Iowa, Illinois, Indiana, Kansas, Kentucky, Louisiana, Maryland, Maine, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, North Carolina, Nebraska, New Jersey, New Mexico, Nevada, New York, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Virginia, Vermont, Washington, Wisconsin, West Virginia, and Wyoming.

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.

The 2017 HCUP SID includes information on all inpatient discharges from hospital in participating States. Discharges from all 48 participating States are used to develop risk-adjustment models for the area-level PDIs. This document is devoted to listing covariates and coefficients for risk adjustment logistic regression models. The regression coefficients are used by the prediction module to calculate risk-adjusted rates that account for differences in patient populations across areas. Covariates that are considered as potential risk adjusters include sex and age and the interaction of sex and age. Descriptions of the population age categories are provided in the Table A.1. Every covariate in every model is a binary indicator variable, coded using 0 or 1. The AHRQ QI software user does not need to manipulate or adjust these coefficients; rather this document is intended to make it transparent to the user how the risk adjusted QI rates are calculated.

Additional information on the risk adjustment process and composite indicators may be found in *Quality Indicator Empirical Methods*, available on the AHRQ QI™ website.
(<http://www.qualityindicators.ahrq.gov/modules/Default.aspx>)

Table 1. Risk Adjustment Coefficients for PQI 01 – Diabetes Short-Term Complications Admission Rate

PARAMETER	LABEL	D F	Estimate	Standard Error	Wald Chi Square	Pr > Chi Square
INTERCEPT	Intercept	1	-8.293538599	0.0423007790	38439.9673067845	<.0001
SEX	Female	1	-0.1534865221	0.0541401102	8.0371526913	0.0046
AGECAT1	18 <= Age <= 24	1	1.3530853948	0.0430950269	985.8165392147	<.0001
AGECAT2	25 <= Age <= 29	1	1.1845248212	0.0435299968	740.4761274189	<.0001
AGECAT3	30 <= Age <= 34	1	1.0673073101	0.0437785519	594.3690460659	<.0001
AGECAT4	35 <= Age <= 39	1	1.0652161921	0.0438485702	590.1530357403	<.0001
AGECAT5	40 <= Age <= 44	1	0.8740710340	0.0443320639	388.7385000858	<.0001
AGECAT6	45 <= Age <= 49	1	0.8758739996	0.0442084812	392.5293000113	<.0001
AGECAT7	50 <= Age <= 54	1	0.7703104779	0.0443897419	301.1385607181	<.0001
AGECAT8	55 <= Age <= 59	1	0.6128678930	0.0446965929	188.0117106999	<.0001
AGECAT9	60 <= Age <= 64	1	0.4593502929	0.0454053586	102.3466839216	<.0001
AGECAT10	65 <= Age <= 69	1	0.3107781694	0.0465848492	44.5052884663	<.0001
AGECAT11	70 <= Age <= 74	1	0.2017259253	0.0485363844	17.2738279335	<.0001
AGECAT12	75 <= Age <= 79	1	0.1950610858	0.0515599627	14.3125193212	0.0002
AGECAT13	Age 80-84	1	0.1926215887	0.0560456694	11.8120642120	0.0006
FAGECAT1	Female, 18 <= Age <= 24	1	0.3578305100	0.0552914849	41.8830430647	<.0001
FAGECAT2	Female, 25 <= Age <= 29	1	0.2487094400	0.0560025703	19.7228022013	<.0001
FAGECAT3	Female, 30 <= Age <= 34	1	0.0181087599	0.0566291753	0.1022579176	0.7491
FAGECAT4	Female, 35 <= Age <= 39	1	-0.0422104180	0.0568046584	0.5521682115	0.4574
FAGECAT5	Female, 40 <= Age <= 44	1	0.0253767936	0.0574841829	0.1948842614	0.6589
FAGECAT6	Female, 45 <= Age <= 49	1	-0.0592457887	0.0574153545	1.0647775090	0.3021
FAGECAT7	Female, 50 <= Age <= 54	1	-0.0374478321	0.0576559088	0.4218574455	0.5160
FAGECAT8	Female, 55 <= Age <= 59	1	-0.0056367765	0.0580593314	0.0094257860	0.9227
FAGECAT9	Female, 60 <= Age <= 64	1	0.0163546202	0.0590726854	0.0766491772	0.7819
FAGECAT10	Female, 65 <= Age <= 69	1	0.0862363310	0.0606166500	2.0239355492	0.1548
FAGECAT11	Female, 70 <= Age <= 74	1	0.1357118896	0.0632000779	4.6110578191	0.0318
FAGECAT12	Female, 75 <= Age <= 79	1	0.1353317062	0.0671727745	4.0589391618	0.0439
FAGECAT13	Female, 80 <= Age <= 84	1	0.1415555681	0.0726243069	3.7991803702	0.0513

c-statistic=0.596

Table 2. Risk Adjustment Coefficients for PQI 03 – Diabetes Long-Term Complications Admission Rate

PARAMETER	LABEL	D F	Estimate	Standard Error	Wald Chi Square	Pr > Chi Square
INTERCEPT	Intercept	1	-6.075779243	0.0139846456	188756.1195161730	<.0001

PARAMETER	LABEL	D F	Estimate	Standard Error	Wald Chi Square	Pr > Chi Square
SEX	Female	1	-0.6944166442	0.0202347477	1177.7270708005	<.0001
AGECAT1	18 <= Age <= 24	1	-4.066445073	0.0431202837	8893.3749248063	<.0001
AGECAT2	25 <= Age <= 29	1	-2.629816821	0.0267521449	9663.4850806482	<.0001
AGECAT3	30 <= Age <= 34	1	-1.949684381	0.0218684343	7948.6476600995	<.0001
AGECAT4	35 <= Age <= 39	1	-1.389422134	0.0190918925	5296.2742348451	<.0001
AGECAT5	40 <= Age <= 44	1	-0.9004923694	0.0175675576	2627.4671948429	<.0001
AGECAT6	45 <= Age <= 49	1	-0.4791006358	0.0162888530	865.1122982016	<.0001
AGECAT7	50 <= Age <= 54	1	-0.1549363251	0.0156664238	97.8062837434	<.0001
AGECAT8	55 <= Age <= 59	1	0.0135916512	0.0153959456	0.7793485065	0.3773
AGECAT9	60 <= Age <= 64	1	0.0953861191	0.0154403442	38.1642209481	<.0001
AGECAT10	65 <= Age <= 69	1	0.0918839743	0.0157285764	34.1272043704	<.0001
AGECAT11	70 <= Age <= 74	1	0.1238509118	0.0162026672	58.4285880963	<.0001
AGECAT12	75 <= Age <= 79	1	0.1980278388	0.0170400112	135.0556450857	<.0001
AGECAT13	Age 80-84	1	0.1882622255	0.0185495390	103.0054332884	<.0001
FAGECAT1	Female, 18 <= Age <= 24	1	1.4236204984	0.0540109640	694.7436849169	<.0001
FAGECAT2	Female, 25 <= Age <= 29	1	1.0525674970	0.0361544239	847.5728128858	<.0001
FAGECAT3	Female, 30 <= Age <= 34	1	0.6911788279	0.0313256804	486.8327967459	<.0001
FAGECAT4	Female, 35 <= Age <= 39	1	0.4743455762	0.0280898998	285.1604738914	<.0001
FAGECAT5	Female, 40 <= Age <= 44	1	0.2874186021	0.0262665910	119.7353322442	<.0001
FAGECAT6	Female, 45 <= Age <= 49	1	0.1529506279	0.0244279491	39.2038316360	<.0001
FAGECAT7	Female, 50 <= Age <= 54	1	-0.0199960792	0.0236145644	0.7170176054	0.3971
FAGECAT8	Female, 55 <= Age <= 59	1	-0.0909425407	0.0231684904	15.4077310815	<.0001
FAGECAT9	Female, 60 <= Age <= 64	1	-0.0608000740	0.0231425876	6.9021498589	0.0086
FAGECAT10	Female, 65 <= Age <= 69	1	-0.0100760143	0.0235437190	0.1831586449	0.6687
FAGECAT11	Female, 70 <= Age <= 74	1	-0.0014656356	0.0243263478	0.0036299295	0.9520
FAGECAT12	Female, 75 <= Age <= 79	1	-0.0177999573	0.0256758281	0.4806057931	0.4881
FAGECAT13	Female, 80 <= Age <= 84	1	-0.0086287551	0.0278344119	0.0961019480	0.7566

c-statistic=0.611

Table 3. Risk Adjustment Coefficients for PQI 05 – Chronic Obstructive Pulmonary Disease (COPD) or Asthma in Older Adults Admission Rate

PARAMETER	LABEL	D F	Estimate	Standard Error	Wald Chi Square	Pr > Chi Square
INTERCEPT	Intercept	1	-4.296471527	0.0058091928	547006.2604493440	<.0001
SEX	Female	1	-0.1874547057	0.0074783726	628.3165431865	<.0001
AGECAT5	40 <= Age <= 44	1	-3.167220606	0.0147536534	46084.7751764786	<.0001
AGECAT6	45 <= Age <= 49	1	-2.636161071	0.0116374619	51312.9920412744	<.0001
AGECAT7	50 <= Age <= 54	1	-1.883916255	0.0090097300	43721.9615136237	<.0001
AGECAT8	55 <= Age <= 59	1	-1.385176027	0.0078834347	30873.0110632744	<.0001
AGECAT9	60 <= Age <= 64	1	-1.072067150	0.0075548796	20136.7270177376	<.0001
AGECAT10	65 <= Age <= 69	1	-0.8494977376	0.0075040619	12815.3845427292	<.0001
AGECAT11	70 <= Age <= 74	1	-0.5221581840	0.0074524962	4909.0860735599	<.0001
AGECAT12	75 <= Age <= 79	1	-0.2432270060	0.0076814990	1002.6090656295	<.0001
AGECAT13	Age 80-84	1	-0.0829497039	0.0082009407	102.3062906037	<.0001
FAGECAT5	Female, 40 <= Age <= 44	1	0.9311104608	0.0180613578	2657.6734587927	<.0001
FAGECAT6	Female, 45 <= Age <= 49	1	0.8923259415	0.0143885036	3846.0575548205	<.0001
FAGECAT7	Female, 50 <= Age <= 54	1	0.7016403397	0.0114394809	3761.9798270546	<.0001
FAGECAT8	Female, 55 <= Age <= 59	1	0.5434988790	0.0101594562	2861.9126850382	<.0001
FAGECAT9	Female, 60 <= Age <= 64	1	0.4076152686	0.0098207480	1722.7083201994	<.0001
FAGECAT10	Female, 65 <= Age <= 69	1	0.3462564514	0.0097804070	1253.3774936364	<.0001
FAGECAT11	Female, 70 <= Age <= 74	1	0.3072038949	0.0097163273	999.6527461110	<.0001
FAGECAT12	Female, 75 <= Age <= 79	1	0.2312377512	0.0100325908	531.2406168483	<.0001
FAGECAT13	Female, 80 <= Age <= 84	1	0.1684090467	0.0106852419	248.4060216698	<.0001

c-statistic=0.563

Table 4. Risk Adjustment Coefficients for PQI 07 – Hypertension Admission Rate

PARAMETER	LABEL	D F	Estimate	Standard Error	Wald Chi Square	Pr > Chi Square
INTERCEPT	Intercept	1	-6.476644014	0.0170753870	143866.2568687230	<.0001
SEX	Female	1	0.6611623946	0.0193440824	1168.2075798005	<.0001
AGECAT1	18 <= Age <= 24	1	-3.780797140	0.0464598516	6622.3345248089	<.0001
AGECAT2	25 <= Age <= 29	1	-2.557906794	0.0318464783	6451.2905664716	<.0001
AGECAT3	30 <= Age <= 34	1	-1.900477938	0.0263299765	5209.8440174400	<.0001
AGECAT4	35 <= Age <= 39	1	-1.399208175	0.0233705626	3584.4814171451	<.0001
AGECAT5	40 <= Age <= 44	1	-1.026849948	0.0219761689	2183.2828479034	<.0001
AGECAT6	45 <= Age <= 49	1	-0.8355438276	0.0209786062	1586.2995743383	<.0001
AGECAT7	50 <= Age <= 54	1	-0.6920713864	0.0204613520	1144.0187323537	<.0001
AGECAT8	55 <= Age <= 59	1	-0.6596744924	0.0203121648	1054.7437535917	<.0001
AGECAT9	60 <= Age <= 64	1	-0.6835323675	0.0207472866	1085.4143470668	<.0001
AGECAT10	65 <= Age <= 69	1	-0.6981108398	0.0214813705	1056.1480211749	<.0001
AGECAT11	70 <= Age <= 74	1	-0.6375220805	0.0224693335	805.0263200744	<.0001
AGECAT12	75 <= Age <= 79	1	-0.4336414474	0.0235966946	337.7219032974	<.0001
AGECAT13	Age 80-84	1	-0.1872589380	0.0247672990	57.1646854105	<.0001
FAGECAT1	Female, 18 <= Age <= 24	1	-0.4104021501	0.0613929244	44.6871453379	<.0001
FAGECAT2	Female, 25 <= Age <= 29	1	-0.6564330580	0.0429387726	233.7123363306	<.0001
FAGECAT3	Female, 30 <= Age <= 34	1	-0.7504909691	0.0349830618	460.2304057858	<.0001
FAGECAT4	Female, 35 <= Age <= 39	1	-0.8365549701	0.0305366486	750.4922743043	<.0001
FAGECAT5	Female, 40 <= Age <= 44	1	-0.8861961127	0.0283191732	979.2611873454	<.0001
FAGECAT6	Female, 45 <= Age <= 49	1	-0.8748391206	0.0265178996	1088.3739695265	<.0001
FAGECAT7	Female, 50 <= Age <= 54	1	-0.8997751109	0.0256377683	1231.7073017759	<.0001
FAGECAT8	Female, 55 <= Age <= 59	1	-0.8752070855	0.0252401134	1202.3725348947	<.0001
FAGECAT9	Female, 60 <= Age <= 64	1	-0.6762012285	0.0253427623	711.9410120369	<.0001
FAGECAT10	Female, 65 <= Age <= 69	1	-0.4484749434	0.0258134561	301.8450489940	<.0001
FAGECAT11	Female, 70 <= Age <= 74	1	-0.2801348183	0.0267042236	110.0460024095	<.0001
FAGECAT12	Female, 75 <= Age <= 79	1	-0.1396853486	0.0276816150	25.4635448551	<.0001
FAGECAT13	Female, 80 <= Age <= 84	1	-0.0574779652	0.0287027906	4.0100937510	0.0452

c-statistic=0.606

Table 5. Risk Adjustment Coefficients for PQI 08 – Heart Failure Admission Rate

PARAMETER	LABEL	D F	Estimate	Standard Error	Wald Chi Square	Pr > Chi Square
INTERCEPT	Intercept	1	-3.159939072	0.0033835020	872217.0129662860	<.0001
SEX	Female	1	-0.1864881729	0.0043469484	1840.4906591945	<.0001
AGECAT1	18 <= Age <= 24	1	-6.567349549	0.0333201117	38847.8839501213	<.0001
AGECAT2	25 <= Age <= 29	1	-5.424794923	0.0217339302	62300.2963344402	<.0001
AGECAT3	30 <= Age <= 34	1	-4.609103662	0.0151728485	92278.1136934846	<.0001
AGECAT4	35 <= Age <= 39	1	-3.997481975	0.0116479987	117779.6885287250	<.0001
AGECAT5	40 <= Age <= 44	1	-3.476389480	0.0095905282	131392.8701163580	<.0001
AGECAT6	45 <= Age <= 49	1	-3.005234780	0.0076651779	153713.6151871930	<.0001
AGECAT7	50 <= Age <= 54	1	-2.588630107	0.0065048819	158365.7132003520	<.0001
AGECAT8	55 <= Age <= 59	1	-2.248563201	0.0057539142	152715.6103027700	<.0001
AGECAT9	60 <= Age <= 64	1	-1.964839867	0.0054568947	129647.2125456560	<.0001
AGECAT10	65 <= Age <= 69	1	-1.699161485	0.0053338589	101481.3585317030	<.0001
AGECAT11	70 <= Age <= 74	1	-1.333742778	0.0052241345	65180.1669205549	<.0001
AGECAT12	75 <= Age <= 79	1	-0.9123306099	0.0052415678	30295.7758514010	<.0001
AGECAT13	Age 80-84	1	-0.4933409340	0.0052996413	8665.6541089882	<.0001
FAGECAT1	Female, 18 <= Age <= 24	1	-0.0429840439	0.0507072967	0.7185775197	0.3966
FAGECAT2	Female, 25 <= Age <= 29	1	-0.0724022281	0.0331641955	4.7661195324	0.0290
FAGECAT3	Female, 30 <= Age <= 34	1	-0.3128527039	0.0245994790	161.7439358926	<.0001
FAGECAT4	Female, 35 <= Age <= 39	1	-0.3669680447	0.0189538886	374.8520124366	<.0001
FAGECAT5	Female, 40 <= Age <= 44	1	-0.3709430565	0.0154271167	578.1559026615	<.0001
FAGECAT6	Female, 45 <= Age <= 49	1	-0.3639647874	0.0121068682	903.7641470819	<.0001
FAGECAT7	Female, 50 <= Age <= 54	1	-0.3580238287	0.0100540026	1268.0777321158	<.0001
FAGECAT8	Female, 55 <= Age <= 59	1	-0.3578139334	0.0087039649	1689.9748378611	<.0001
FAGECAT9	Female, 60 <= Age <= 64	1	-0.2599050316	0.0079598712	1066.1474922226	<.0001
FAGECAT10	Female, 65 <= Age <= 69	1	-0.1485109707	0.0075470146	387.2279459767	<.0001
FAGECAT11	Female, 70 <= Age <= 74	1	-0.0844720906	0.0072485571	135.8073757595	<.0001
FAGECAT12	Female, 75 <= Age <= 79	1	-0.0473702066	0.0071483462	43.9136361546	<.0001
FAGECAT13	Female, 80 <= Age <= 84	1	-0.0320296155	0.0070985720	20.3592357616	<.0001

c-statistic=0.669

Table 6. Risk Adjustment Coefficients for PQI 11 – Bacterial Pneumonia Admission Rate

PARAMETER	LABEL	D F	Estimate	Standard Error	Wald Chi Square	Pr > Chi Square
INTERCEPT	Intercept	1	-4.139169496	0.0053815236	591583.3270467380	<.0001
SEX	Female	1	-0.1987634609	0.0069419961	819.7932991026	<.0001
AGECAT1	18 <= Age <= 24	1	-4.475729860	0.0197559607	51325.2916972696	<.0001
AGECAT2	25 <= Age <= 29	1	-4.204285696	0.0197763350	45195.2528183536	<.0001
AGECAT3	30 <= Age <= 34	1	-3.896236390	0.0177324936	48278.1890587677	<.0001
AGECAT4	35 <= Age <= 39	1	-3.673536570	0.0163708916	50352.8514951430	<.0001
AGECAT5	40 <= Age <= 44	1	-3.453123580	0.0154303699	50080.8357756357	<.0001
AGECAT6	45 <= Age <= 49	1	-3.188435925	0.0134088953	56541.7687051983	<.0001
AGECAT7	50 <= Age <= 54	1	-2.816792555	0.0114777433	60227.7607926621	<.0001
AGECAT8	55 <= Age <= 59	1	-2.530156885	0.0102418291	61029.5054186785	<.0001
AGECAT9	60 <= Age <= 64	1	-2.271661467	0.0097324182	54481.0783189945	<.0001
AGECAT10	65 <= Age <= 69	1	-1.962349372	0.0093388221	44153.8375839600	<.0001
AGECAT11	70 <= Age <= 74	1	-1.523943277	0.0088998448	29320.5919821368	<.0001
AGECAT12	75 <= Age <= 79	1	-1.052428431	0.0087721077	14393.8588056787	<.0001
AGECAT13	Age 80-84	1	-0.5893247326	0.0087247047	4562.5524187340	<.0001
FAGECAT1	Female, 18 <= Age <= 24	1	0.3269659771	0.0272731005	143.7262526741	<.0001
FAGECAT2	Female, 25 <= Age <= 29	1	0.3887803130	0.0268583076	209.5324271465	<.0001
FAGECAT3	Female, 30 <= Age <= 34	1	0.3267880030	0.0242867872	181.0473084159	<.0001
FAGECAT4	Female, 35 <= Age <= 39	1	0.3922265303	0.0220103474	317.5558635233	<.0001
FAGECAT5	Female, 40 <= Age <= 44	1	0.4020771556	0.0206330886	379.7434692455	<.0001
FAGECAT6	Female, 45 <= Age <= 49	1	0.3988693536	0.0178959474	496.7661005109	<.0001
FAGECAT7	Female, 50 <= Age <= 54	1	0.3000820131	0.0155181908	373.9364123999	<.0001
FAGECAT8	Female, 55 <= Age <= 59	1	0.2536941559	0.0138627043	334.9076026292	<.0001
FAGECAT9	Female, 60 <= Age <= 64	1	0.1887429785	0.0132215762	203.7863744754	<.0001
FAGECAT10	Female, 65 <= Age <= 69	1	0.1718638851	0.0126369332	184.9634286327	<.0001
FAGECAT11	Female, 70 <= Age <= 74	1	0.1188097178	0.0120540022	97.1496847789	<.0001
FAGECAT12	Female, 75 <= Age <= 79	1	0.0530294556	0.0118649529	19.9757136083	<.0001
FAGECAT13	Female, 80 <= Age <= 84	1	0.0289221958	0.0116510212	6.1621823131	0.0131

c-statistic=0.622

Table 7. Risk Adjustment Coefficients for PQI 12 – Urinary Tract Infection Admission Rate

PARAMETER	LABEL	D F	Estimate	Standard Error	Wald Chi Square	Pr > Chi Square
INTERCEPT	Intercept	1	-4.579734597	0.0066710730	471291.0976518600	<.0001
SEX	Female	1	0.5860735199	0.0076339360	5893.9598030557	<.0001
AGECAT1	18 <= Age <= 24	1	-5.264926365	0.0357786082	21653.9793437984	<.0001
AGECAT2	25 <= Age <= 29	1	-4.841678983	0.0332924655	21149.4980937281	<.0001
AGECAT3	30 <= Age <= 34	1	-4.654360511	0.0314747894	21867.2602409817	<.0001
AGECAT4	35 <= Age <= 39	1	-4.362426640	0.0279946025	24283.2976671771	<.0001
AGECAT5	40 <= Age <= 44	1	-4.127735309	0.0261143102	24984.2642245288	<.0001
AGECAT6	45 <= Age <= 49	1	-3.844360578	0.0222634728	29816.8948304302	<.0001
AGECAT7	50 <= Age <= 54	1	-3.460588592	0.0186572007	34403.8446201631	<.0001
AGECAT8	55 <= Age <= 59	1	-3.117115915	0.0160102850	37905.9841915581	<.0001
AGECAT9	60 <= Age <= 64	1	-2.713950402	0.0142544783	36249.4282105957	<.0001
AGECAT10	65 <= Age <= 69	1	-2.203034008	0.0126244972	30451.8879892172	<.0001
AGECAT11	70 <= Age <= 74	1	-1.664683324	0.0115797339	20666.4603052090	<.0001
AGECAT12	75 <= Age <= 79	1	-1.077663263	0.0109841804	9625.6671316353	<.0001
AGECAT13	Age 80-84	1	-0.5693272788	0.0107655772	2796.7222922036	<.0001
FAGECAT1	Female, 18 <= Age <= 24	1	1.7385795977	0.0376976559	2126.9656040480	<.0001
FAGECAT2	Female, 25 <= Age <= 29	1	1.3661158324	0.0357653952	1458.9788384225	<.0001
FAGECAT3	Female, 30 <= Age <= 34	1	1.2341333050	0.0340720202	1311.9835089570	<.0001
FAGECAT4	Female, 35 <= Age <= 39	1	0.9777459104	0.0308627767	1003.6493847821	<.0001
FAGECAT5	Female, 40 <= Age <= 44	1	0.8107742472	0.0291796638	772.0391510224	<.0001
FAGECAT6	Female, 45 <= Age <= 49	1	0.6129305974	0.0253590265	584.1944790835	<.0001
FAGECAT7	Female, 50 <= Age <= 54	1	0.3897916063	0.0217402901	321.4654434728	<.0001
FAGECAT8	Female, 55 <= Age <= 59	1	0.2018815522	0.0190103487	112.7750700380	<.0001
FAGECAT9	Female, 60 <= Age <= 64	1	0.0997787812	0.0170380753	34.2953566416	<.0001
FAGECAT10	Female, 65 <= Age <= 69	1	0.0182238632	0.0151367418	1.4494928900	0.2286
FAGECAT11	Female, 70 <= Age <= 74	1	0.0398178023	0.0137576525	8.3765637579	0.0038
FAGECAT12	Female, 75 <= Age <= 79	1	-0.0251757295	0.0130218779	3.7378071353	0.0532
FAGECAT13	Female, 80 <= Age <= 84	1	0.0074395059	0.0125903424	0.3491508467	0.5546

c-statistic=0.653

Table 8. Risk Adjustment Coefficients for PQI 14 – Uncontrolled Diabetes Admission Rate

PARAMETER	LABEL	D F	Estimate	Standard Error	Wald Chi Square	Pr > Chi Square
INTERCEPT	Intercept	1	-6.514050758	0.0173968248	140204.6115211550	<.0001
SEX	Female	1	-0.2295542634	0.0226036414	103.1368609057	<.0001
AGECAT1	18 <= Age <= 24	1	-2.933426530	0.0336642180	7592.9994658644	<.0001
AGECAT2	25 <= Age <= 29	1	-2.374206490	0.0304459419	6081.0440061295	<.0001
AGECAT3	30 <= Age <= 34	1	-2.110656647	0.0285857517	5451.7501843151	<.0001
AGECAT4	35 <= Age <= 39	1	-1.822067873	0.0265701331	4702.6390086842	<.0001
AGECAT5	40 <= Age <= 44	1	-1.601682311	0.0256025115	3913.7007774390	<.0001
AGECAT6	45 <= Age <= 49	1	-1.337899434	0.0236078594	3211.6907298169	<.0001
AGECAT7	50 <= Age <= 54	1	-1.112883241	0.0224390333	2459.7497234303	<.0001
AGECAT8	55 <= Age <= 59	1	-0.9776267476	0.0217995176	2011.1866772093	<.0001
AGECAT9	60 <= Age <= 64	1	-0.8693890781	0.0218224162	1587.1672417471	<.0001
AGECAT10	65 <= Age <= 69	1	-0.6712918084	0.0217792447	950.0294502564	<.0001
AGECAT11	70 <= Age <= 74	1	-0.4972268679	0.0222515303	499.3320110986	<.0001
AGECAT12	75 <= Age <= 79	1	-0.1733718345	0.0226936760	58.3643146948	<.0001
AGECAT13	Age 80-84	1	-0.0120274916	0.0241488856	0.2480595398	0.6184
FAGECAT1	Female, 18 <= Age <= 24	1	0.2765909516	0.0466364318	35.1742873595	<.0001
FAGECAT2	Female, 25 <= Age <= 29	1	0.1196024656	0.0431150662	7.6952396855	0.0055
FAGECAT3	Female, 30 <= Age <= 34	1	0.0278044201	0.0408333569	0.4636577406	0.4959
FAGECAT4	Female, 35 <= Age <= 39	1	-0.0260032156	0.0378873138	0.4710494312	0.4925
FAGECAT5	Female, 40 <= Age <= 44	1	-0.0129706404	0.0361569722	0.1286881999	0.7198
FAGECAT6	Female, 45 <= Age <= 49	1	0.0522675395	0.0326195136	2.5674922953	0.1091
FAGECAT7	Female, 50 <= Age <= 54	1	0.0629548033	0.0306795973	4.2107400761	0.0402
FAGECAT8	Female, 55 <= Age <= 59	1	0.0325097929	0.0297050882	1.1977514715	0.2738
FAGECAT9	Female, 60 <= Age <= 64	1	0.0880637118	0.0294563207	8.9379305404	0.0028
FAGECAT10	Female, 65 <= Age <= 69	1	0.0953649307	0.0292798096	10.6081804520	0.0011
FAGECAT11	Female, 70 <= Age <= 74	1	0.1766925097	0.0296343894	35.5503852997	<.0001
FAGECAT12	Female, 75 <= Age <= 79	1	0.0873840482	0.0303339331	8.2986389557	0.0040
FAGECAT13	Female, 80 <= Age <= 84	1	0.1304466763	0.0318724901	16.7507418857	<.0001

c-statistic=0.59

Table 9. Risk Adjustment Coefficients for PQI 15 – Asthma in Younger Adults Admission Rate

PARAMETER	LABEL	D F	Estimate	Standard Error	Wald Chi Square	Pr > Chi Square
INTERCEPT	Intercept	1	-8.374348770	0.0204702831	167361.0500020780	<.0001
SEX	Female	1	0.8779324514	0.0243614144	1298.7250118491	<.0001
AGECAT1	18 <= Age <= 24	1	-0.2985311552	0.0283183979	111.1327249835	<.0001
AGECAT2	25 <= Age <= 29	1	-0.1071245894	0.0288919613	13.7475178438	0.0002
AGECAT3	30 <= Age <= 34	1	-0.0935339743	0.0293066199	10.1860853701	0.0014
FAGECAT1	Female, 18 <= Age <= 24	1	-0.2755393803	0.0345963171	63.4318846559	<.0001
FAGECAT2	Female, 25 <= Age <= 29	1	-0.2890754861	0.0353392029	66.9127731344	<.0001
FAGECAT3	Female, 30 <= Age <= 34	1	-0.1669199273	0.0354080577	22.2234849868	<.0001

c-statistic=0.557

Table 10. Risk Adjustment Coefficients for PQI 16 – Lower-Extremity Amputation Among Patients With Diabetes

PARAMETER	LABEL	D F	Estimate	Standard Error	Wald Chi Square	Pr > Chi Square
INTERCEPT	Intercept	1	-7.242720928	0.0250245857	83766.3729588409	<.0001
SEX	Female	1	-0.9373197955	0.0387375875	585.4778075195	<.0001
AGECAT1	18 <= Age <= 24	1	-6.464305645	0.2437365045	703.4003954938	<.0001
AGECAT2	25 <= Age <= 29	1	-3.949494841	0.0829235553	2268.4398817263	<.0001
AGECAT3	30 <= Age <= 34	1	-2.650169817	0.0495426668	2861.4663698332	<.0001
AGECAT4	35 <= Age <= 39	1	-1.843070987	0.0384651641	2295.8787351982	<.0001
AGECAT5	40 <= Age <= 44	1	-1.151520839	0.0330502421	1213.9318688675	<.0001
AGECAT6	45 <= Age <= 49	1	-0.6135682415	0.0296987879	426.8234732677	<.0001
AGECAT7	50 <= Age <= 54	1	-0.1750695989	0.0280930718	38.8349737825	<.0001
AGECAT8	55 <= Age <= 59	1	0.0853678081	0.0273827205	9.7193019605	0.0018
AGECAT9	60 <= Age <= 64	1	0.2297771654	0.0273153233	70.7621539173	<.0001
AGECAT10	65 <= Age <= 69	1	0.2751665534	0.0276471890	99.0579472656	<.0001
AGECAT11	70 <= Age <= 74	1	0.2906737057	0.0284193811	104.6121822825	<.0001
AGECAT12	75 <= Age <= 79	1	0.3568036123	0.0297505058	143.8367225156	<.0001
AGECAT13	Age 80-84	1	0.3140371081	0.0323326529	94.3363910506	<.0001
FAGECAT1	Female, 18 <= Age <= 24	1	0.5562708427	0.3882926651	2.0523632055	0.1520
FAGECAT2	Female, 25 <= Age <= 29	1	0.2943722915	0.1417619670	4.3119567497	0.0378
FAGECAT3	Female, 30 <= Age <= 34	1	0.2471850954	0.0839429149	8.6711454061	0.0032
FAGECAT4	Female, 35 <= Age <= 39	1	0.1978941161	0.0643657140	9.4527153630	0.0021
FAGECAT5	Female, 40 <= Age <= 44	1	0.0733667080	0.0552929091	1.7605938685	0.1846
FAGECAT6	Female, 45 <= Age <= 49	1	-0.0187878431	0.0490838822	0.1465129594	0.7019
FAGECAT7	Female, 50 <= Age <= 54	1	-0.1409949438	0.0461156048	9.3478397835	0.0022
FAGECAT8	Female, 55 <= Age <= 59	1	-0.2134700767	0.0446492040	22.8584390332	<.0001
FAGECAT9	Female, 60 <= Age <= 64	1	-0.1323189206	0.0440487176	9.0235485589	0.0027
FAGECAT10	Female, 65 <= Age <= 69	1	-0.1070889213	0.0445830699	5.7696457365	0.0163
FAGECAT11	Female, 70 <= Age <= 74	1	-0.0882618131	0.0460145880	3.6792103001	0.0551
FAGECAT12	Female, 75 <= Age <= 79	1	-0.0771787450	0.0483018672	2.5530985862	0.1101
FAGECAT13	Female, 80 <= Age <= 84	1	-0.0817985183	0.0525395507	2.4239193516	0.1195

c-statistic=0.677

Table 11. Risk Adjustment Coefficients for PQI 90 – Overall Composite

PARAMETER	LABEL	D F	Estimate	Standard Error	Wald Chi Square	Pr > Chi Square
INTERCEPT	Intercept	1	-2.367842057	0.0023871448	983893.1612592120	<.0001
SEX	Female	1	-0.0520737269	0.0029927482	302.7589403561	<.0001
AGECAT1	18 <= Age <= 24	1	-4.077259955	0.0068614581	353105.0850978980	<.0001
AGECAT2	25 <= Age <= 29	1	-3.865361629	0.0070529702	300355.9016567880	<.0001
AGECAT3	30 <= Age <= 34	1	-3.605136490	0.0064928683	308297.6653373830	<.0001
AGECAT4	35 <= Age <= 39	1	-3.278987437	0.0057685582	323105.9471673370	<.0001
AGECAT5	40 <= Age <= 44	1	-2.918625160	0.0051705409	318628.5463122740	<.0001
AGECAT6	45 <= Age <= 49	1	-2.558395908	0.0044208667	334904.2471909520	<.0001
AGECAT7	50 <= Age <= 54	1	-2.173133765	0.0038810239	313530.8502856400	<.0001
AGECAT8	55 <= Age <= 59	1	-1.882193122	0.0035540837	280461.3759031980	<.0001
AGECAT9	60 <= Age <= 64	1	-1.654486226	0.0034539460	229453.7826412530	<.0001
AGECAT10	65 <= Age <= 69	1	-1.443237963	0.0034394310	176077.0273245610	<.0001
AGECAT11	70 <= Age <= 74	1	-1.126002117	0.0034277239	107911.2592536020	<.0001
AGECAT12	75 <= Age <= 79	1	-0.7573117068	0.0034990385	46843.7754836555	<.0001
AGECAT13	Age 80-84	1	-0.4136236578	0.0036258196	13013.6273210660	<.0001
FAGECAT1	Female, 18 <= Age <= 24	1	0.5097010598	0.0088275793	3333.8635466449	<.0001
FAGECAT2	Female, 25 <= Age <= 29	1	0.3947268640	0.0092480266	1821.7770541984	<.0001
FAGECAT3	Female, 30 <= Age <= 34	1	0.2140342324	0.0087787018	594.4370740786	<.0001
FAGECAT4	Female, 35 <= Age <= 39	1	0.1034520033	0.0079224776	170.5123220385	<.0001
FAGECAT5	Female, 40 <= Age <= 44	1	0.0668514237	0.0071023772	88.5959471691	<.0001
FAGECAT6	Female, 45 <= Age <= 49	1	0.0173916237	0.0060716156	8.2048702532	0.0042
FAGECAT7	Female, 50 <= Age <= 54	1	-0.0297746675	0.0053040762	31.5118818217	<.0001
FAGECAT8	Female, 55 <= Age <= 59	1	-0.0717023610	0.0048262950	220.7187306990	<.0001
FAGECAT9	Female, 60 <= Age <= 64	1	-0.0758405040	0.0046528966	265.6780131988	<.0001
FAGECAT10	Female, 65 <= Age <= 69	1	-0.0357046558	0.0045851136	60.6386458222	<.0001
FAGECAT11	Female, 70 <= Age <= 74	1	0.0014210495	0.0045248707	0.0986293250	0.7535
FAGECAT12	Female, 75 <= Age <= 79	1	-0.0068583681	0.0045890838	2.2335186904	0.1350
FAGECAT13	Female, 80 <= Age <= 84	1	0.0043980552	0.0046942234	0.8777965090	0.3488

c-statistic=0.577

Table 12. Risk Adjustment Coefficients for PQI 91 – Prevention Quality Acute Composite

PARAMETER	LABEL	D F	Estimate	Standard Error	Wald Chi Square	Pr > Chi Square
INTERCEPT	Intercept	1	-3.630104554	0.0042150762	741698.5277084350	<.0001
SEX	Female	1	0.1871704803	0.0050908749	1351.7297178674	<.0001
AGECAT1	18 <= Age <= 24	1	-4.728336614	0.0172451343	75176.7611827311	<.0001
AGECAT2	25 <= Age <= 29	1	-4.420351043	0.0169698891	67850.8844123754	<.0001
AGECAT3	30 <= Age <= 34	1	-4.141567062	0.0153983582	72340.3422039667	<.0001
AGECAT4	35 <= Age <= 39	1	-3.902343982	0.0140866657	76742.2768678383	<.0001
AGECAT5	40 <= Age <= 44	1	-3.678373190	0.0132392693	77193.9992754382	<.0001
AGECAT6	45 <= Age <= 49	1	-3.408958924	0.0114388605	88813.3001738576	<.0001
AGECAT7	50 <= Age <= 54	1	-3.034113033	0.0097255933	97326.5450399382	<.0001
AGECAT8	55 <= Age <= 59	1	-2.732620631	0.0085849295	101317.6751619980	<.0001
AGECAT9	60 <= Age <= 64	1	-2.433627529	0.0080190034	92101.6538259761	<.0001
AGECAT10	65 <= Age <= 69	1	-2.060471760	0.0075151463	75172.4061063499	<.0001
AGECAT11	70 <= Age <= 74	1	-1.586387596	0.0070737978	50293.6696513147	<.0001
AGECAT12	75 <= Age <= 79	1	-1.070138470	0.0068797744	24195.3307497128	<.0001
AGECAT13	Age 80-84	1	-0.5867199172	0.0068093581	7424.1941255725	<.0001
FAGECAT1	Female, 18 <= Age <= 24	1	0.9738915976	0.0199431369	2384.7029943323	<.0001
FAGECAT2	Female, 25 <= Age <= 29	1	0.8028950478	0.0200125701	1609.5772590734	<.0001
FAGECAT3	Female, 30 <= Age <= 34	1	0.6476082009	0.0185051683	1224.7250500251	<.0001
FAGECAT4	Female, 35 <= Age <= 39	1	0.5474190734	0.0171299143	1021.2438920778	<.0001
FAGECAT5	Female, 40 <= Age <= 44	1	0.4660626678	0.0162599597	821.5797098429	<.0001
FAGECAT6	Female, 45 <= Age <= 49	1	0.3706968686	0.0142342993	678.2122791441	<.0001
FAGECAT7	Female, 50 <= Age <= 54	1	0.2170788927	0.0123447727	309.2210134842	<.0001
FAGECAT8	Female, 55 <= Age <= 59	1	0.1190001681	0.0109946888	117.1464857324	<.0001
FAGECAT9	Female, 60 <= Age <= 64	1	0.0612009420	0.0102840562	35.4150071661	<.0001
FAGECAT10	Female, 65 <= Age <= 69	1	0.0455343440	0.0095902576	22.5433068516	<.0001
FAGECAT11	Female, 70 <= Age <= 74	1	0.0469812737	0.0089580805	27.5055066607	<.0001
FAGECAT12	Female, 75 <= Age <= 79	1	0.0018181033	0.0086742532	0.0439311855	0.8340
FAGECAT13	Female, 80 <= Age <= 84	1	0.0190101989	0.0084554193	5.0547889316	0.0246

c-statistic=0.61

Table 13. Risk Adjustment Coefficients for PQI 92 – Prevention Quality Chronic Composite

PARAMETER	LABEL	D F	Estimate	Standard Error	Wald Chi Square	Pr > Chi Square
INTERCEPT	Intercept	1	-2.752708856	0.0028158799	955635.5917652680	<.0001
SEX	Female	1	-0.1753844570	0.0036060698	2365.4509618021	<.0001
AGECAT1	18 <= Age <= 24	1	-3.852575089	0.0075150811	262805.7611318090	<.0001
AGECAT2	25 <= Age <= 29	1	-3.658437808	0.0077794452	221153.6435304160	<.0001
AGECAT3	30 <= Age <= 34	1	-3.402053836	0.0071846661	224217.3365388800	<.0001
AGECAT4	35 <= Age <= 39	1	-3.059754116	0.0063592420	231506.0531235830	<.0001
AGECAT5	40 <= Age <= 44	1	-2.677109827	0.0056723028	222747.8748175660	<.0001
AGECAT6	45 <= Age <= 49	1	-2.304134459	0.0048660809	224211.0394889920	<.0001
AGECAT7	50 <= Age <= 54	1	-1.918243901	0.0043087674	198199.0398464250	<.0001
AGECAT8	55 <= Age <= 59	1	-1.629625592	0.0039768736	167916.0097536830	<.0001
AGECAT9	60 <= Age <= 64	1	-1.413293396	0.0038845481	132368.1973493780	<.0001
AGECAT10	65 <= Age <= 69	1	-1.230692506	0.0038941271	99880.0769101000	<.0001
AGECAT11	70 <= Age <= 74	1	-0.9485688057	0.0039107363	58832.9487462749	<.0001
AGECAT12	75 <= Age <= 79	1	-0.6223020840	0.0040222179	23937.0884219357	<.0001
AGECAT13	Age 80-84	1	-0.3296194865	0.0042064420	6140.3898137738	<.0001
FAGECAT1	Female, 18 <= Age <= 24	1	0.4375533123	0.0100430764	1898.1407629074	<.0001
FAGECAT2	Female, 25 <= Age <= 29	1	0.3225958402	0.0106187693	922.9308295095	<.0001
FAGECAT3	Female, 30 <= Age <= 34	1	0.1250801218	0.0101754212	151.1025532291	<.0001
FAGECAT4	Female, 35 <= Age <= 39	1	0.0328180073	0.0091111385	12.9741559154	0.0003
FAGECAT5	Female, 40 <= Age <= 44	1	0.0423432451	0.0080338417	27.7793281175	<.0001
FAGECAT6	Female, 45 <= Age <= 49	1	0.0215167813	0.0068374447	9.9030040104	0.0017
FAGECAT7	Female, 50 <= Age <= 54	1	0.0033639635	0.0059851941	0.3158974161	0.5741
FAGECAT8	Female, 55 <= Age <= 59	1	-0.0263852543	0.0054757174	23.2188395219	<.0001
FAGECAT9	Female, 60 <= Age <= 64	1	-0.0244566304	0.0053040361	21.2608340027	<.0001
FAGECAT10	Female, 65 <= Age <= 69	1	0.0153678893	0.0052682378	8.5093758927	0.0035
FAGECAT11	Female, 70 <= Age <= 74	1	0.0476143987	0.0052474507	82.3341234837	<.0001
FAGECAT12	Female, 75 <= Age <= 79	1	0.0365056415	0.0053678142	46.2514151005	<.0001
FAGECAT13	Female, 80 <= Age <= 84	1	0.0264015138	0.0055573615	22.5694181252	<.0001

c-statistic=0.584

Table 14. Risk Adjustment Coefficients for PQI 93 – PQI Diabetes Composite

PARAMETER	LABEL	D F	Estimate	Standard Error	Wald Chi Square	Pr > Chi Square
INTERCEPT	Intercept	1	-5.442507309	0.0102096770	284167.2568038680	<.0001
SEX	Female	1	-0.4826710273	0.0140137906	1186.2909421980	<.0001
AGECAT1	18 <= Age <= 24	1	-1.382018523	0.0128317233	11599.9938124421	<.0001
AGECAT2	25 <= Age <= 29	1	-1.344470249	0.0134440053	10001.0372598626	<.0001
AGECAT3	30 <= Age <= 34	1	-1.235801046	0.0133363942	8586.5809861321	<.0001
AGECAT4	35 <= Age <= 39	1	-0.9983080969	0.0128456304	6039.7414238675	<.0001
AGECAT5	40 <= Age <= 44	1	-0.8054781372	0.0126063194	4082.5442267018	<.0001
AGECAT6	45 <= Age <= 49	1	-0.5117524534	0.0119409567	1836.7143414378	<.0001
AGECAT7	50 <= Age <= 54	1	-0.2781812424	0.0115870433	576.3820205238	<.0001
AGECAT8	55 <= Age <= 59	1	-0.1544969305	0.0114170889	183.1171190936	<.0001
AGECAT9	60 <= Age <= 64	1	-0.0863512683	0.0114711027	56.6665935076	<.0001
AGECAT10	65 <= Age <= 69	1	-0.0654154493	0.0116845831	31.3425416326	<.0001
AGECAT11	70 <= Age <= 74	1	-0.0194808851	0.0120579185	2.6101933826	0.1062
AGECAT12	75 <= Age <= 79	1	0.1063296918	0.0126337329	70.8346456653	<.0001
AGECAT13	Age 80-84	1	0.1422858133	0.0136802829	108.1765292087	<.0001
FAGECAT1	Female, 18 <= Age <= 24	1	0.7014370563	0.0175465363	1598.0656372455	<.0001
FAGECAT2	Female, 25 <= Age <= 29	1	0.5964273681	0.0185422825	1034.6387537824	<.0001
FAGECAT3	Female, 30 <= Age <= 34	1	0.3682955640	0.0188192565	382.9905466046	<.0001
FAGECAT4	Female, 35 <= Age <= 39	1	0.2522467204	0.0182675297	190.6739718714	<.0001
FAGECAT5	Female, 40 <= Age <= 44	1	0.1802438882	0.0179997085	100.2744178530	<.0001
FAGECAT6	Female, 45 <= Age <= 49	1	0.0671922366	0.0170781643	15.4794604492	<.0001
FAGECAT7	Female, 50 <= Age <= 54	1	-0.0494807553	0.0166046168	8.8800400460	0.0029
FAGECAT8	Female, 55 <= Age <= 59	1	-0.1154364583	0.0163494541	49.8516425711	<.0001
FAGECAT9	Female, 60 <= Age <= 64	1	-0.0985605483	0.0163826516	36.1941038604	<.0001
FAGECAT10	Female, 65 <= Age <= 69	1	-0.0472931221	0.0166534636	8.0646742096	0.0045
FAGECAT11	Female, 70 <= Age <= 74	1	-0.0016866239	0.0171726550	0.0096463192	0.9218
FAGECAT12	Female, 75 <= Age <= 79	1	-0.0160603061	0.0180232660	0.7940368356	0.3729
FAGECAT13	Female, 80 <= Age <= 84	1	0.0261943938	0.0193339885	1.8355820107	0.1755

c-statistic=0.54

Table A.1. Population Age Categories

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