

Appendix 1

Conditions	CCS Category Numbers
Cancer	11 through 45
Diabetes	49, 50
Hypertension	98, 99
Heart-related conditions	100, 101, 103, 104, 108, 109, 111, 112
Respiratory (COPD and Asthma)	127, 128
Neurological (Back/Disc)	205
Anxiety and Mood Disorders	651, 657
Alcohol and Substance Abuse Treatment	660, 661
Skin-related conditions	197, 198, 199, 200
Orthopedic	81, 202, 203, 204, 212, 226

Appendix 2

Health Status Binary Logit Models for Probability of Outcome (Table 2 models)

Fair or Poor Health Status

	Coef	SE	t
age31x	0.0469174	0.0015109	31.05
female	0.0633964	0.0374019	1.7
white	-0.4744492	0.0916517	-5.18
black	-0.3652229	0.0984814	-3.71
asian	-0.7340719	0.1224505	-5.99
hisp	0.2505697	0.0582598	4.3
marry	-0.1751033	0.044679	-3.92
neast	-0.1230885	0.0730906	-1.68
south	0.0133487	0.0693473	0.19
west	0.0196758	0.0690234	0.29
msa	-0.1462901	0.0554423	-2.64
incl138	1.505224	0.0565699	26.61
inc138400	0.7930911	0.05398	14.69
_cons	-4.223368	0.1306557	-32.32

Obese

	Coef	SE	t
age31x	0.022064	0.0011907	18.53
female	0.0041564	0.0275134	0.15
white	-0.3216185	0.083642	-3.85
black	0.165832	0.0868167	1.91
asian	-1.735342	0.1114011	-15.58
hisp	0.1953887	0.0381314	5.12

marry	0.0888061	0.0320788	2.77
neast	-0.2438149	0.0549784	-4.43
south	-0.0656173	0.0539234	-1.22
west	-0.2257662	0.0570945	-3.95
msa	-0.2155587	0.0541699	-3.98
incl138	0.3293343	0.0420706	7.83
inc138400	0.2034926	0.036612	5.56
_cons	-1.429344	0.1256241	-11.38

Anxiety or Mood Disorder

	Coef	SE	t
age31x	0.0217532	0.0013537	16.07
female	0.7384287	0.0368055	20.06
white	-0.0783968	0.1063521	-0.74
black	-1.039507	0.1083581	-9.59
asian	-1.489657	0.1491293	-9.99
hisp	-0.8027021	0.0568664	-14.12
marry	-0.3975419	0.0410652	-9.68
neast	-0.1682135	0.0642261	-2.62
south	-0.1604934	0.0622115	-2.58
west	0.0322003	0.0473825	0.68
msa	0.1649056	0.0617705	2.67
incl138	0.4226895	0.0462371	9.14
inc138400	0.1310538	0.0402409	3.26
_cons	-2.724773	0.1325614	-20.55

Cancer

	Coef	SE	t
age31x	0.0660371	0.0034507	19.14
female	0.4120047	0.0772471	5.33
white	0.5545408	0.247273	2.24
black	-0.2722522	0.2500417	-1.09
asian	-0.8633502	0.289811	-2.98
hisp	-0.915089	0.0970858	-9.43
marry	0.0567776	0.0791043	0.72
neast	0.1814312	0.1010282	1.8
south	0.1481086	0.0951769	1.56
west	0.2045746	0.1206	1.7
msa	0.1372017	0.0918393	1.49
incl138	-0.1628914	0.0914466	-1.78
inc138400	-0.2263267	0.070307	-3.22
_cons	-6.850118	0.3401688	-20.14

Diabetes

	Coef	SE	t
age31x	0.0827708	0.002569	32.22

female	-0.0791475	0.058291	-1.36
white	-0.7924453	0.1377432	-5.75
black	-0.2640528	0.1414177	-1.87
asian	-0.5804038	0.1556075	-3.73
hisp	0.3134938	0.0689283	4.55
marry	0.0915793	0.0533508	1.72
neast	-0.0047928	0.0981361	-0.05
south	0.0145087	0.0757471	0.19
west	-0.1059831	0.0983081	-1.08
msa	-0.1778346	0.0840784	-2.12
incl138	0.5681221	0.074791	7.6
inc138400	0.3048615	0.0563153	5.41
_cons	-5.901966	0.2119271	-27.85

Cardiac

	Coef	SE	t
age31x	0.0957498	0.0035881	26.69
female	-0.3949167	0.067149	-5.88
white	-0.7009375	0.153215	-4.57
black	-0.7557219	0.1681622	-4.49
asian	-1.704478	0.2364459	-7.21
hisp	-0.4210539	0.1021224	-4.12
marry	0.0693962	0.0688593	1.01
neast	-0.0981048	0.1053013	-0.93
south	-0.0570133	0.0908259	-0.63
west	-0.2153498	0.1272116	-1.69
msa	-0.2164302	0.086931	-2.49
incl138	0.8829849	0.0804473	10.98
inc138400	0.2318661	0.0702141	3.3
_cons	-6.8314	0.2689403	-25.4

Hypertension

	Coef	SE	t
age31x	0.0961709	0.0016905	56.89
female	-0.1596783	0.0400977	-3.98
white	-0.4294445	0.1160162	-3.7
black	0.146097	0.1192016	1.23
asian	-0.6518097	0.1288206	-5.06
hisp	-0.1261716	0.0531103	-2.38
marry	-0.0347916	0.044876	-0.78
neast	-0.0570887	0.0640975	-0.89
south	0.1321719	0.0625825	2.11
west	-0.209725	0.063974	-3.28
msa	-0.0667956	0.0508192	-1.31
incl138	0.2753114	0.046212	5.96
inc138400	0.1359966	0.0355782	3.82

_cons	-5.407849	0.158616	-34.09
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Respiratory

	Coef	SE	t
age31x	0.0185331	0.0018376	10.09
female	0.5327445	0.0398789	13.36
white	-0.3288698	0.1252778	-2.63
black	-0.7213058	0.1365047	-5.28
asian	-1.386485	0.1580538	-8.77
hisp	-0.7013169	0.0694767	-10.09
marry	-0.1783307	0.0453516	-3.93
neast	-0.0131654	0.0785741	-0.17
south	-0.0817793	0.0660572	-1.24
west	0.0408976	0.0680566	0.6
msa	-0.0777753	0.0667452	-1.17
incl138	0.3664682	0.0573206	6.39
inc138400	0.1420364	0.047951	2.96
_cons	-2.868292	0.1607526	-17.84

Neurological (Back/Disc)

	Coef	SE	t
age31x	0.0227053	0.0016811	13.51
female	0.1476388	0.0398818	3.7
white	0.1114473	0.1352827	0.82
black	-0.4000425	0.131945	-3.03
asian	-0.5905836	0.1664567	-3.55
hisp	-0.4972456	0.0731982	-6.79
marry	-0.0141657	0.0549657	-0.26
neast	-0.1167789	0.0779896	-1.5
south	-0.3369926	0.0693056	-4.86
west	0.0350445	0.0704934	0.5
msa	0.0622685	0.0736652	0.85
incl138	0.090526	0.0546951	1.66
inc138400	-0.0059262	0.0484762	-0.12
_cons	-3.130759	0.1734961	-18.05

Orthopedic

	Coef	SE	t
age31x	0.0590852	0.0014222	41.54
female	0.2963642	0.0305563	9.7
white	-0.293925	0.0971027	-3.03
black	-0.5275856	0.1030372	-5.12
asian	-1.065157	0.130379	-8.17
hisp	-0.581163	0.060377	-9.63
marry	-0.0659858	0.0371091	-1.78
neast	-0.1129763	0.0953919	-1.18

south	-0.025232	0.0830377	-0.3
west	0.2196574	0.0779986	2.82
msa	-0.0253156	0.0786695	-0.32
incl138	0.4275282	0.0518547	8.24
inc138400	0.1584645	0.0481815	3.29
_cons	-3.847202	0.1361558	-28.26

Dermatological (Skin-related condition)

	Coef	SE	t
age31x	0.0122525	0.0019258	6.36
female	0.5378754	0.0498897	10.78
white	0.0294777	0.1545353	0.19
black	-0.433762	0.1639835	-2.65
asian	-0.6034294	0.20115	-3
hisp	-0.6120434	0.0639989	-9.56
marry	-0.2400254	0.06084	-3.95
neast	0.1289227	0.0766138	1.68
south	-0.0594126	0.0742413	-0.8
west	0.1550645	0.0837229	1.85
msa	0.2641195	0.0797121	3.31
incl138	-0.5347226	0.064153	-8.34
inc138400	-0.3528613	0.0497443	-7.09
_cons	-3.019848	0.2127542	-14.19

Alcohol and Substance Abuse Condition

	Coef	SE	t
age31x	0.0113554	0.0064704	1.75
female	-0.302281	0.1657838	-1.82
white	-0.3061322	0.3276409	-0.93
black	-1.20354	0.3872752	-3.11
asian	-2.65201	0.8024389	-3.3
hisp	-1.216323	0.2600785	-4.68
marry	-0.5862933	0.1953876	-3
neast	0.1941598	0.2235454	0.87
south	-0.3875632	0.1898549	-2.04
west	0.1989955	0.2023955	0.98
msa	0.5819776	0.2376038	2.45
incl138	0.9136654	0.2048023	4.46
inc138400	0.3492705	0.1795284	1.95
_cons	-5.48536	0.5516488	-9.94

Appendix 3

Generalized Linear Models of Annual Medical Spending and Medical Care Consumption (Table 3 models)

Inflation-adjusted Total Annual Spending

	Coef	SE	t
age31x	0.026694	0.00134	19.93
female	0.500466	0.034018	14.71
white	0.048113	0.095077	0.51
black	-0.13535	0.101429	-1.33
asian	-0.56903	0.111901	-5.09
hisp	-0.54519	0.058249	-9.36
marry	0.080187	0.03711	2.16
neast	-0.0187	0.05649	-0.33
south	-0.17567	0.047847	-3.67
west	-0.022	0.053033	-0.41
msa	0.059034	0.056739	1.04
incl138	-0.19842	0.046606	-4.26
inc138400	-0.15588	0.037122	-4.2
obese	0.207141	0.031292	6.62
fairpoor	1.037109	0.037482	27.67
_cons	6.680149	0.133477	50.05

Estimated as GLM with log link and gamma family distribution assumption

Annual Number of Inpatient Discharges

	Coef	SE	t
age31x	0.000752	0.002391	0.31
female	0.638837	0.053945	11.84
white	0.011893	0.122969	0.1
black	0.129502	0.122254	1.06
asian	-0.62132	0.170989	-3.63
hisp	-0.32526	0.071106	-4.57
marry	0.423735	0.052226	8.11
neast	-0.15315	0.071332	-2.15
south	-0.12028	0.06262	-1.92
west	-0.2084	0.079047	-2.64
msa	0.052552	0.081161	0.65
incl138	0.440975	0.064896	6.8
inc138400	0.09767	0.066648	1.47
obese	0.200201	0.051813	3.86
fairpoor	1.15027	0.06044	19.03
_cons	-3.57413	0.182812	-19.55

Estimated using Poisson regression

Annual Number of ED Visits

	Coef	SE	t
age31x	-0.0067	0.0015	-4.47
female	0.289862	0.037768	7.67
white	-0.0844	0.10563	-0.8
black	0.105351	0.114687	0.92
asian	-1.0173	0.132325	-7.69
hisp	-0.26393	0.052349	-5.04
marry	-0.10859	0.043274	-2.51
neast	-0.01002	0.059687	-0.17
south	-0.18157	0.050248	-3.61
west	-0.1935	0.060909	-3.18
msa	-0.03599	0.054488	-0.66
inclt138	0.502164	0.0538	9.33
inc138400	0.218928	0.049887	4.39
obese	0.258902	0.038751	6.68
fairpoor	1.048131	0.044518	23.54
_cons	-1.91912	0.139228	-13.78

Estimated using Negative Binomial regression

Annual Number of Office-Based Visits

	Coef	SE	t
age31x	0.020968	0.001012	20.73
female	0.62274	0.023327	26.7
white	0.116067	0.072179	1.61
black	-0.29491	0.077377	-3.81
asian	-0.50936	0.082638	-6.16
hisp	-0.60241	0.046617	-12.92
marry	-0.00089	0.026485	-0.03
neast	0.025812	0.048451	0.53
south	-0.17794	0.040802	-4.36
west	0.046663	0.042658	1.09
msa	0.168489	0.040516	4.16
inclt138	-0.35231	0.037644	-9.36
inc138400	-0.22975	0.024651	-9.32
obese	0.154466	0.02573	6
fairpoor	0.813159	0.034448	23.61
_cons	0.219819	0.105166	2.09

Estimated using Negative Binomial regression

Annual Number of Prescribed Medicines

	Coef	SE	t
age31x	0.044559	0.000923	48.3
female	0.508725	0.023969	21.22
white	-0.01935	0.07157	-0.27

black	-0.40943	0.072059	-5.68
asian	-0.75155	0.091845	-8.18
hisp	-0.65998	0.043382	-15.21
marry	-0.07349	0.024513	-3
neast	-0.10149	0.042882	-2.37
south	0.013694	0.035009	0.39
west	-0.1473	0.035611	-4.14
msa	-0.03861	0.039843	-0.97
incl138	-0.04539	0.029735	-1.53
inc138400	-0.08655	0.024631	-3.51
obese	0.403038	0.023044	17.49
fairpoor	1.147076	0.024141	47.52
_cons	-0.09019	0.09397	-0.96

Estimated using Negative Binomial regression