

Appendix: Regression coefficients and significance levels

Females 18-34

Variable	Coefficient	p-value
Intercept	-5.0771	<.0001
Number of Chronic Conditions (from any data source = 1)	0.4347	<.0001
Number of Chronic Conditions (from any data source = 2)	0.8614	<.0001
Number of Chronic Conditions (from any data source = 3)	1.1305	<.0001
Number of Chronic Conditions (from any data source = 4 or more)	1.7194	<.0001
Number of Chronic Conditions (from hospital data = 1)	0.9074	<.0001
Number of Chronic Conditions (from hospital data = 2 or more)	0.8834	<.0001
Total number of ER visits	0.2634	<.0001
History of Obesity-Stage 2 or 3 *	1.6342	<.0001
History of polypharmacy *	0.5968	<.0001
History of Drug Abuse, Dependence, Intoxication: Alcohol-Stage 1 *	2.1087	<.0001

Males 18-34

Variable	Coefficient	p-value
Intercept	-5.2835	<.0001
Number of Chronic Conditions (from any data source) = 1	0.6534	<.0001
Number of Chronic Conditions (from any data source) = 2	1.2390	<.0001
Number of Chronic Conditions (from any data source) = 3	1.5240	<.0001
Number of Chronic Conditions (from any data source) = 4 or more	2.0556	<.0001
Neurologic Diseases (from home health prescription)	1.6802	<.0001
Renal Failure-Stage 2 or 3	1.3802	<.0001
Any Gastrointestinal Disease - Stage 2 (from hospital data)	1.1512	<.0001
Any Neurologic Disease - Stage 3 (from hospital data)	0.8614	<.0001
Any Psychologic Disease - Stage 2 (from hospital data)	1.0198	<.0001
Any Respiratory Disease - Stage 2 (from hospital data)	0.9451	<.0001
Anti-arrhythmics	1.5415	<.0001
Total number of ER visits	0.2371	<.0001
History of Neurologic Diseases (from drug prescriptions) *	0.4880	<.0001
History of Crohns Disease-Stage 2 or 3 *	1.4684	0.0004
History of Neoplasm, Malignant: Colon and Rectum-Stage 2 *	2.9037	0.0063
History of Calculus of the Urinary Tract-Stage 1 *	1.0806	<.0001
History of Cirrhosis of the Liver-Stage 2 or 3 *	1.2212	<.0001
History of Pancreatitis-any stage *	1.7777	<.0001
History of Cerebrovascular Disease-Stage 2 *	2.0588	0.0004
History of Obesity-Stage 2 or 3 *	1.6569	<.0001
History of polypharmacy *	0.4747	<.0001
History of Drug Abuse, Dependence, Intoxication: Alcohol-Stage 2 or 3 *	1.6103	<.0001

*History variables are calculated on previous 5 years of exposure data

Hospitalization	0.6338	<.0001
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Females 35-44

Variable	Coefficient	p-value
Intercept	-4.9905	<.0001
Number of Chronic Conditions (from any data source) = 1	0.5265	<.0001
Number of Chronic Conditions (from any data source) = 2	0.8446	<.0001
Number of Chronic Conditions (from any data source) = 3	0.8519	<.0001
Number of Chronic Conditions (from any data source) = 4 or more	0.6525	0.0155
Number of Chronic Conditions (from any data source) = 5 or more	0.5419	0.0934
Number of Chronic Conditions (from hospital data) = 1	0.8319	<.0001
Number of Chronic Conditions (from hospital data) = 2	1.0387	<.0001
Number of Chronic Conditions (from hospital data) = 3 or more	1.3840	<.0001
Number of Chronic Conditions (from home health prescription)=1 or more	0.5128	0.0390
Number of Chronic Conditions (from drug prescriptions)=1	-0.0948	0.3171
Number of Chronic Conditions (from drug prescriptions)=2	0.0670	0.6542
Number of Chronic Conditions (from drug prescriptions)=3 or more	0.2362	0.2746
Reside in Mountain area on 12/ 31/ 2012	0.1865	0.0196
Reside in Hill area on 12/ 31/ 2012	-0.0128	0.7341
Cardiovascular Disease (from home health prescription)	1.7641	0.0006
Endocrine Disease (from home health prescription)	1.5904	0.0930
Infectious Disease (from home health prescription)	1.6836	0.0468
Genitourinary (dialysis)	0.7208	0.0081
Aortic Stenosis-Stage 1	2.2652	0.0004
Arrhythmias-Stage 2	1.0050	0.0016
Neoplasm, Malignant: Stomach-Stage 3	1.8592	0.0204
Neoplasm, Malignant: Breast, Female-Stage 3	0.7628	0.0204
Progressive Systemic Sclerosis-Stage 1	0.9852	0.0321
Progressive Systemic Sclerosis-Stage 2 or 3	1.6206	0.0087
Obesity-Stage 2 or 3	0.4604	0.0039
Drug Abuse, Dependence, Intoxication: Alcohol-Stage 1	0.6965	0.0223
Drug Abuse, Dependence, Intoxication: Alcohol-Stage 2 or 3	0.7457	0.0325
Neoplasm, Malignant: Lungs, Bronchi, or Mediastinum-Stage 3	1.6501	0.0187
Any Cancer - Stage 3 (from hospital data)	1.2094	<.0001
Any Cardiovascular Disease - Stage 1 (from hospital data)	-0.5051	0.0014
Any Gastrointestinal Disease - Stage 2 (from hospital data)	0.4724	0.0065
Any Genitourinary Disease - Stage 2 (from hospital data)	0.3895	0.0581
Any Gynecologic Disease - Stage 1 (from hospital data)	-0.5549	<.0001
Any Hepatobiliary Disease - Stage 1 (from hospital data)	-0.5393	0.0029
Any Musculoskeletal Disease - Stage 1 (from hospital data)	-0.4858	0.0002

*History variables are calculated on previous 5 years of exposure data

Any Neurologic Disease - Stage 3 (from hospital data)	0.8922	<.0001
Any Psychologic Disease - Stage 2 (from hospital data)	0.5166	0.0038
Any Respiratory Disease - Stage 2 (from hospital data)	0.5162	0.0436
Endocrine Disease (from drug prescriptions)	-0.4482	<.0001
Genitourinary Disease (from drug prescriptions)	0.9552	0.0001
Respiratory Disease (from drug prescriptions)	-0.2258	0.0107
Cardiovascular Disease (from any data source)	-0.2700	0.0118
Day hospitalization	-0.2627	0.0004
ACE/ARB	0.2465	0.0266
Digitalis glycosides	0.9678	0.0285
Number of ER visits labeled 'Yellow'	-0.2515	0.0378
Total number of ER visits	0.4548	0.0001
Eye Disease (from any data source)	-0.5158	0.0174
History of Cancer (from drug prescriptions) *	0.2289	0.0247
History of Endocrine Disease (from drug prescriptions) *	0.1529	0.0624
History of Psychological Disease (from drug prescriptions) *	0.2272	<.0001
History of Arrhythmias-Stage 2 *	0.4871	0.0794
History of Cardiomyopathies-Stage 3 *	1.1771	0.0262
History of Thrombophlebitis-Stage 2 or 3 *	0.9344	0.0030
History of Diabetes Mellitus Type 1 or Type 2-Stage 2 *	1.1944	<.0001
History of Crohns Disease-Stage 2 or 3 *	0.7513	0.0377
History of Neoplasm, Malignant: Colon and Rectum-Stage 3 *	2.0723	<.0001
History of Calculus of the Urinary Tract-Stage 1 *	0.4914	0.0146
History of Calculus of the Urinary Tract-Stage 2 or 3 *	0.8776	0.0003
History of Neoplasm, Malignant: Kidneys-Stage 1 *	1.3977	0.0102
History of Neoplasm, Malignant: Kidneys-Stage 3 *	3.2491	0.0100
History of Pancreatitis-any stage *	0.8084	0.0199
History of Cerebrovascular Disease-Stage 1 *	0.8172	0.0057
History of Cerebrovascular Disease-Stage 2 *	1.1315	0.0013
History of Obesity-Stage 2 or 3 *	1.2321	<.0001
History of polypharmacy *	0.3345	<.0001
History of Bipolar Disorder - Major Depressive Episode-Stage 2 or 3 *	0.6431	0.0246
History of Bipolar Disorder - Manic Episode-Stage 2 *	0.8255	<.0001
History of Depression-Stage 1 or 2 *	0.2207	0.0716
History of Drug Abuse, Dependence, Intoxication: Alcohol-Stage 1 *	0.5358	0.0330
History of Chronic Obstructive Pulmonary Disease-Stage 1 or 2 *	0.9824	0.0003
History of Chronic Obstructive Pulmonary Disease-Stage 3 *	1.8886	0.0964
History of Neoplasm, Malignant: Lungs, Bronchi, or Mediastinum-Stage 1 *	1.6543	0.0122
History of Pneumonia: Bacterial-Stage 3 *	1.3040	0.0015
Immunologic Disease (from any data source)	0.8590	0.0001
Polypharmacy	0.2838	<.0001
Number of the other 9 Cardiovascular drugs	0.1330	0.0036

*History variables are calculated on previous 5 years of exposure data

Males 35-44

Variable	Coefficient	p-value
Intercept	-4.8083	<.0001
Number of Chronic Conditions (from any data source)=1	0.5439	<.0001
Number of Chronic Conditions (from any data source)=2	0.7994	<.0001
Number of Chronic Conditions (from any data source)=3	0.7949	<.0001
Number of Chronic Conditions (from any data source)=4	1.1832	<.0001
Number of Chronic Conditions (from any data source)=5 or more	0.9615	<.0001
Age on 12/ 31/ 2012	-0.00005	0.0031
Cancer (from home health prescription)	1.6698	0.0023
Blood Diseases (from home health prescription)	2.7427	0.0385
Infectious Disease (from home health prescription)	3.1524	0.0129
Neurologic Diseases (from home health prescription)	2.0454	<.0001
Genitourinary (dialysis)	1.0696	<.0001
Cardiomyopathies-Stage 3	1.7220	0.0016
Infective Endocarditis-Stage 3	3.7783	0.0015
Mitral Stenosis-Stage 3	3.0377	0.0345
Pericarditis: Chronic-Stage 2 or 3	1.2938	0.0240
Crohns Disease-Stage 1	1.6408	<.0001
Neoplasm, Malignant: Colon and Rectum-Stage 2	1.4659	0.0030
Cirrhosis of the Liver-Stage 2 or 3	0.6646	0.0066
Neoplasm, Malignant: Pancreas-Stage 1	2.4864	0.0143
Pancreatitis-all stages	0.8241	0.0053
Cerebrovascular Disease-Stage 3	0.9540	<.0001
Epilepsy-all stages	0.5515	0.0247
Drug Abuse, Dependence, Intoxication: Alcohol-Stage 1	0.6065	0.0050
Any Cancer - Stage 3 (from hospital data)	1.7602	<.0001
Any Endocrine Disease - Stage 1 (from hospital data)	-0.5267	0.0028
Any Endocrine - Stage 2 (from hospital data)	0.5688	0.0028
Any Gastrointestinal Disease - Stage 1 (from hospital data)	-1.5927	<.0001
Any Immunologic Disease - All stages (from hospital data)	0.6498	0.0068
Any Psychologic Disease - Stage 2 (from hospital data)	0.7963	<.0001
Any Psychologic Disease - Stage 3 (from hospital data)	1.4603	0.0014
Endocrine Disease (from drug prescriptions)	0.2204	0.0058
Number of day hospitalizations	0.2078	0.0003
Oral anti-coagulants	0.4822	0.0028
Anti-arrhythmics	0.7069	0.0027
Total number of ER visits	0.2455	<.0001
Eye Disease (from any data source)	-0.4757	0.0200
History of Neurological Disease (from drug prescriptions) *	0.3728	<.0001
History of Psychological Disease (from drug prescriptions) *	0.2678	<.0001
History of Arrhythmias-Stage 2 *	0.7259	0.0008
History of Cardiomyopathies-Stage 2 *	0.8655	0.0009

*History variables are calculated on previous 5 years of exposure data

History of Essential Hypertension-Stage 3 *	0.8004	0.0062
History of Pericarditis: Viral or Traumatic-Stage 2 or 3 *	1.0253	0.0008
History of Diabetes Mellitus Type 1 or Type 2-Stage 2 *	0.7425	0.0034
History of Diabetes Mellitus Type 1 or Type 2-Stage 3 *	0.7380	0.0071
History of Crohns Disease-Stage 2 or 3 *	1.3269	<.0001
History of Calculus of the Urinary Tract-Stage 1 *	0.7919	<.0001
History of Renal Failure-Stage 2 or 3 *	0.5494	0.0107
History of Cholecystitis and Cholelithiasis-Stage 3 *	1.4633	0.0012
History of Cirrhosis of the Liver-Stage 2 or 3 *	0.5857	0.0009
History of Pancreatitis-any stage *	1.2530	<.0001
History of Progressive Systemic Sclerosis-Stage 2 or 3 *	3.8605	0.0026
History of Obesity-Stage 2 or 3 *	0.8764	<.0001
History of Bipolar Disorder - Manic Episode-Stage 2 *	0.8467	<.0001
History of Drug Abuse, Dependence, Intoxication: Alcohol-Stage 1 *	0.5825	0.0005
History of Drug Abuse, Dependence, Intoxication: Alcohol-Stage 2 or 3 *	0.7745	<.0001
History of Chronic Obstructive Pulmonary Disease-Stage 1 or 2 *	0.7316	0.0018
History of Pneumonia: Bacterial-Stage 3 *	1.0518	0.0006
History of Other Cardiovascular drugs *	0.2342	0.0043
Hospitalization	0.7414	<.0001
Gastrointestinal Disease (from hospital data)	0.9745	<.0001
Respiratory Disease (from hospital data)	0.4067	0.0025
Any of the other 9 Cardiovascular drugs	-0.5914	<.0001
Number of the other 9 Cardiovascular drugs	0.2767	<.0001

Females 45-54

Variable	Coefficient	p-value
Intercept	-4.9051	<.0001
Number of Chronic Conditions (from any data source)=1	0.3066	<.0001
Number of Chronic Conditions (from any data source)=2	0.4393	<.0001
Number of Chronic Conditions (from any data source)=3	0.4533	<.0001
Number of Chronic Conditions (from any data source)=4	0.3924	0.0002
Number of Chronic Conditions (from any data source)=5 or more	0.3544	0.0079
Number of Chronic Conditions (from hospital data)=1	0.4819	<.0001
Number of Chronic Conditions (from hospital data)=2	0.6828	<.0001
Number of Chronic Conditions (from hospital data)=3 or more	0.8788	<.0001
Number of Chronic Conditions (from home health prescription)=1 or more	0.9174	<.0001
Reside in Mountain area on 12/ 31/ 2012	0.2243	0.0008
Reside in Hill area on 12/ 31/ 2012	-0.0104	0.7596
Essential Hypertension-Stage 1	-0.3166	0.0082
Pericarditis: Chronic-Stage 2 or 3	2.0018	0.0001

*History variables are calculated on previous 5 years of exposure data

Neoplasm, Malignant: Colon and Rectum-Stage 2	0.8110	0.0074
Cholecystitis and Cholelithiasis-Stage 2	0.8570	0.0043
Cirrhosis of the Liver-Stage 2 or 3	0.4736	0.0176
Pancreatitis-all stages	0.8873	0.0217
Progressive Systemic Sclerosis-Stage 2 or 3	0.9823	0.0173
Cerebrovascular Disease-Stage 1	0.5623	0.0340
Cerebrovascular Disease-Stage 3	-0.6910	0.0224
Obesity-Stage 2 or 3	0.4054	0.0063
Neoplasm, Malignant: Lungs, Bronchi, or Mediastinum-Stage 2	1.3912	0.0132
Any Cancer - Stage 3 (from hospital data)	1.7066	<.0001
Any Ear,Nose,Throat Disease - Stage 1 (from hospital data)	-0.6186	0.0401
Any Gastrointestinal Disease - Stage 1 (from hospital data)	-0.4730	<.0001
Any Gynecologic Disease - Stage 1 (from hospital data)	-0.5578	<.0001
Any Infectious Disease - Stage 3 (from hospital data)	-1.8556	0.0017
Any Musculoskeletal Disease - Stage 1 (from hospital data)	-0.4338	<.0001
Any Neurologic Disease - Stage 3 (from hospital data)	1.0267	<.0001
Any Psychologic Disease - Stage 1 (from hospital data)	-0.2591	0.0256
Any Psychologic Disease - Stage 2 (from hospital data)	0.4123	0.0034
Any Psychologic Disease - Stage 3 (from hospital data)	1.3041	0.0042
Any Respiratory Disease - Stage 2 (from hospital data)	0.4618	0.0149
Any Respiratory Disease - Stage 3 (from hospital data)	0.7372	0.0009
Any Skin Disease - Stage 1 (from hospital data)	-0.3787	0.0245
Gastrointestinal Disease (from drug prescriptions)	0.2535	<.0001
Genitourinary Disease (from drug prescriptions)	1.1262	<.0001
Oral anti-coagulants	0.3753	0.0063
Anti-arrhythmics	0.7321	<.0001
Digitalis glycosides	0.9270	0.0003
Total number of ER visits	0.2068	<.0001
History of Cancer (from drug prescriptions) *	0.1500	0.0286
History of Psychological Disease (from drug prescriptions) *	0.2010	<.0001
History of Aortic Stenosis-Stage 3 *	1.6666	0.0170
History of Coronary Artery Disease-Stage 3 *	0.5560	0.0019
History of Diabetes Mellitus Type 1 or Type 2-Stage 2 *	1.0444	<.0001
History of Diabetes Mellitus Type 1 or Type 2-Stage 3 *	0.6990	0.0012
History of Crohns Disease-Stage 2 or 3 *	1.3534	<.0001
History of Neoplasm, Malignant: Colon and Rectum-Stage 3 *	0.9831	0.0009
History of Neoplasm, Malignant: Stomach-Stage 3 *	2.1435	0.0007
History of Ulcerative Colitis-any stage *	0.6736	0.0177
History of Calculus of the Urinary Tract-Stage 1 *	0.7453	<.0001
History of Calculus of the Urinary Tract-Stage 2 or 3 *	0.5209	0.0218
History of Renal Failure-Stage 2 or 3 *	0.5702	0.0006
History of Neoplasm, Malignant: Ovaries-Stage 2 or 3 *	0.7030	0.0286
History of Anemia: Aplastic, Acquired-Stage 2 or 3 *	0.7484	0.0026
History of Cirrhosis of the Liver-Stage 2 or 3 *	0.4895	0.0014

*History variables are calculated on previous 5 years of exposure data

History of Pancreatitis-any stage *	0.7645	0.0043
History of Cerebrovascular Disease-Stage 3 *	0.3947	0.0087
History of Obesity-Stage 2 or 3 *	0.8330	<.0001
History of polypharmacy *	0.2928	<.0001
History of Bipolar Disorder - Major Depressive Episode-Stage 2 or 3 *	0.6454	0.0038
History of Bipolar Disorder - Manic Episode-Stage 2 *	0.6630	0.0001
History of Depression-Stage 1 or 2 *	0.4957	<.0001
History of Drug Abuse, Dependence, Intoxication: Alcohol-Stage 1 *	0.6357	0.0005
History of Drug Abuse, Dependence, Intoxication: Alcohol-Stage 2 or 3 *	1.1324	<.0001
History of Chronic Obstructive Pulmonary Disease-Stage 1 or 2 *	0.4127	0.0104
History of Chronic Obstructive Pulmonary Disease-Stage 3 *	1.3247	0.0050
History of Neoplasm, Malignant: Lungs, Bronchi, or Mediastinum-Stage 3 *	1.6041	<.0001
History of Neoplasm, Malignant: Melanoma-Stage 3 *	1.6975	0.0026
History of Other Cardiovascular drugs *	0.1255	0.0236
Immunologic Disease (from any data source)	0.7145	0.0003
Infectious Disease (from any data source)	0.5052	0.0335
Neurologic Disease (from any data source)	0.2075	0.0003
Hospitalization	0.3975	<.0001
Polypharmacy	0.2655	<.0001
Any of the other 9 Cardiovascular drugs	-0.2999	0.0008
Number of the other 9 Cardiovascular drugs	0.1482	<.0001

Males 45-54

Variable	Coefficient	p-value
Intercept	-4.4469	<.0001
Number of Chronic Conditions (from any data source)=1	0.3859	<.0001
Number of Chronic Conditions (from any data source)=2	0.6634	<.0001
Number of Chronic Conditions (from any data source)=3	0.7465	<.0001
Number of Chronic Conditions (from any data source)=4	0.7901	<.0001
Number of Chronic Conditions (from any data source)=5 or more	0.5246	<.0001
Number of Chronic Conditions (from hospital data)=1	0.2577	0.0009
Number of Chronic Conditions (from hospital data)=2	0.3237	0.0015
Number of Chronic Conditions (from hospital data)=3 or more	0.4067	0.0021
Number of Chronic Conditions (from home health prescription)=1 or more	0.8811	<.0001
Age on 12 /31/ 2012	-0.00008	<.0001
Cancer (chemo or radiation)	0.5498	0.0011

*History variables are calculated on previous 5 years of exposure data

Genitourinary (dialysis)	0.9242	<.0001
Aortic Stenosis-Stage 3	2.0591	0.0014
Arrhythmias-Stage 2	0.5607	0.0005
Essential Hypertension-Stage 2	-0.6186	0.0030
Neoplasm, Malignant Hematologic-Stage 3	-1.5129	0.0096
Cirrhosis of the Liver-Stage 2 or 3	0.8760	<.0001
Pancreatitis-all stages	0.9702	<.0001
Chronic Obstructive Pulmonary Disease-Stage 3	1.2772	0.0051
Neoplasm, Malignant: Lungs, Bronchi, or Mediastinum-Stage 3	1.5413	<.0001
Any Cancer - Stage 3 (from hospital data)	1.5337	<.0001
Any Cardiovascular - Stage 3 (from hospital data)	0.4528	<.0001
Any Endocrine Disease - Stage 1 (from hospital data)	-0.2681	0.0085
Any Endocrine - Stage 2 (from hospital data)	0.3403	0.0055
Any Gastrointestinal Disease - Stage 2 (from hospital data)	0.7672	<.0001
Any Immunologic Disease - All stages (from hospital data)	0.7049	<.0001
Any Musculoskeletal Disease - Stage 1 (from hospital data)	-0.3976	<.0001
Any Neurologic Disease - Stage 3 (from hospital data)	0.4660	0.0008
Any Psychologic Disease - Stage 2 (from hospital data)	0.8976	<.0001
Cardiovascular Disease (from drug prescriptions)	-0.1612	0.0030
Eye Disease (from drug prescriptions)	-0.5308	<.0001
Genitourinary Disease (from drug prescriptions)	0.4405	0.0099
Hematologic Disease (from drug prescriptions)	0.5097	0.0070
Hepatobiliary Disease (from drug prescriptions)	0.3691	0.0179
Number of day hospitalizations	0.1160	0.0093
Statins	-0.1389	0.0112
Anti-platelets	0.2288	<.0001
Anti-arrhythmics	0.3517	0.0063
Nitrates	0.4390	<.0001
Total number of ER visits	0.1627	<.0001
History of Cancer (from drug prescriptions) *	0.3251	0.0004
History of Aortic Stenosis-Stage 1 *	-0.9794	0.0150
History of Arrhythmias-Stage 2 *	0.3919	0.0019
History of Cardiomyopathies-Stage 3 *	0.7836	<.0001
History of Coronary Artery Disease-Stage 1 *	0.3743	<.0001
History of Thrombophlebitis-Stage 2 or 3 *	0.7954	<.0001
History of Diabetes Mellitus Type 1 or Type 2-Stage 1 *	0.3220	0.0001
History of Diabetes Mellitus Type 1 or Type 2-Stage 3 *	0.8677	<.0001
History of Calculus of the Urinary Tract-Stage 1 *	0.3374	0.0033
History of Renal Failure-Stage 2 or 3 *	0.4042	0.0033
History of Cholecystitis and Cholelithiasis-Stage 1 *	0.5888	0.0001
History of Cirrhosis of the Liver-Stage 2 or 3 *	0.4954	<.0001
History of Neoplasm, Malignant: Pancreas-Stage 2 or 3 *	1.9346	0.0029
History of Pancreatitis-any stage *	0.5981	0.0009
History of Obesity-Stage 2 or 3 *	0.5126	<.0001

*History variables are calculated on previous 5 years of exposure data

History of polypharmacy *	0.2306	<.0001
History of Bipolar Disorder - Manic Episode-Stage 2 *	0.8192	<.0001
History of Depression-Stage 1 or 2 *	0.2814	0.0098
History of Drug Abuse, Dependence, Intoxication: Alcohol-Stage 1 *	0.4287	0.0020
History of Drug Abuse, Dependence, Intoxication: Alcohol-Stage 2 or 3 *	0.9474	<.0001
History of Pneumonia: Bacterial-Stage 3 *	1.1780	<.0001
History of Other Cardiovascular drugs *	0.2404	<.0001
Male Genital System (from any data source)	-0.3177	0.0021
Neurologic Disease (from any data source)	0.2173	0.0002
Hospitalization	0.4249	<.0001
Number of hospitalizations	0.0445	0.1777
Polypharmacy	0.2976	<.0001
Gastrointestinal Disease (from hospital data)	-0.2445	0.0085

Females 55-64

Variable	Coefficient	p-value
Intercept	0.9467	0.6785
Number of Chronic Conditions (from any data source)=1	0.5017	<.0001
Number of Chronic Conditions (from any data source)=2	0.6666	<.0001
Number of Chronic Conditions (from any data source)=3	0.7010	<.0001
Number of Chronic Conditions (from any data source)=4	0.7868	0.0001
Number of Chronic Conditions (from any data source)=5	0.7545	0.0024
Number of Chronic Conditions (from any data source)=6 or more	0.5597	0.0587
Number of Chronic Conditions (from hospital data)=1	0.5017	<.0001
Number of Chronic Conditions (from hospital data)=2	0.6365	<.0001
Number of Chronic Conditions (from hospital data)=3	0.7653	<.0001
Number of Chronic Conditions (from hospital data)=4 or more	0.7953	0.0007
Number of Chronic Conditions (from home health prescription)=1 or more	0.4889	<.0001
Number of Chronic Conditions (from drug prescriptions)=1	-0.3395	0.0003
Number of Chronic Conditions (from drug prescriptions)=2	-0.3996	0.0020
Number of Chronic Conditions (from drug prescriptions)=3	-0.4436	0.0073
Number of Chronic Conditions (from drug prescriptions)=4	-0.5404	0.0083
Number of Chronic Conditions (from drug prescriptions)=5 or more	-0.4198	0.0955
Age on 12/ 31/ 2012	-0.1094	0.0134
Endocrine Disease (from home health prescription)	0.9016	0.0026
Gastrointestinal Disease (from home health prescription)	-0.6807	0.1725
Genitourinary Disease (from home health prescription)	1.1277	0.1537
Blood Diseases (from home health prescription)	-1.8804	0.1597
Infectious Disease (from home health prescription)	1.2458	0.0624
Musculoskeletal Disease (from home health prescription)	0.7627	0.0235

*History variables are calculated on previous 5 years of exposure data

Neurologic Diseases (from home health prescription)	0.7672	0.0003
Respiratory Diseases (from home health prescription)	1.0350	0.0211
Skin Disease (from home health prescription)	0.4575	0.2643
Cancer (chemo or radiation)	0.2011	0.0741
Genitourinary (dialysis)	-0.2335	0.2676
Aneurysm, Thoracic-all stages	0.7181	0.1737
Arrhythmias-Stage 1	-0.8531	0.1853
Arrhythmias-Stage 3	-0.4355	0.3839
Congestive Heart Failure-Stage3	0.5326	0.0248
Essential Hypertension-Stage 2	-0.4672	0.0156
Mitral Stenosis-Stage 1	0.3593	0.1871
Mitral Stenosis-Stage 2	0.4834	0.2609
Pericarditis: Viral or Traumatic-Stage 2 or 3	-1.2494	0.1428
Thrombophlebitis-Stage 2 or 3	0.3434	0.2209
Tibial/Iliac/Femoral/Popliteal Artery Disease-Stage 1	0.2126	0.4831
Diabetes Mellitus Type 1 or Type 2-Stage 3	-1.2846	0.0001
Hyperthyroidism-Stage 1	-0.6448	0.1376
Hypothyroidism-Stage 1	-0.1514	0.2913
Hypothyroidism-Stage 2 or 3	-0.4319	0.2665
Crohns Disease-Stage 2 or 3	-1.3093	0.2190
Diverticular Disease-Stage 1	-0.3203	0.2326
Diverticular Disease-Stage 2 or 3	-1.7244	0.0142
Gastritis-Stage 2 or 3	-0.4282	0.3525
Hernia, Hiatal or Reflux Esophagitis-Stage 1	-0.4908	0.0465
Hernia, Hiatal or Reflux Esophagitis-Stage 2 or 3	-0.6378	0.2767
Neoplasm, Malignant: Colon and Rectum-Stage 2	-0.6795	0.0391
Neoplasm, Malignant: Colon and Rectum-Stage 3	0.9264	<.0001
Neoplasm, Malignant: Stomach-Stage 1	0.5593	0.2519
Neoplasm, Malignant: Stomach-Stage 3	0.6181	0.1650
Ulcerative Colitis-all stages	0.5059	0.1961
Neoplasm, Malignant: Bladder, Urinary-Stage 1	-0.3433	0.3353
Neoplasm, Malignant: Kidneys-Stage 1	0.3389	0.3869
Renal Failure-Stage 2 or 3	0.3465	0.0464
Neoplasm, Malignant: Breast, Female-Stage 1	-0.9369	<.0001
Neoplasm, Malignant: Ovaries-Stage 1	-0.7428	0.0657
Anemia: Aplastic, Acquired-Stage 2 or 3	0.3219	0.2666
Neoplasm, Malignant Hematologic-Stage 1	-0.4013	0.0971
Neoplasm, Malignant Hematologic-Stage 2	-0.6307	0.0974
Neoplasm, Malignant Hematologic-Stage 3	-0.5380	0.2971
Cholecystitis and Cholelithiasis-Stage 1	0.7769	0.0033
Cholecystitis and Cholelithiasis-Stage 2	1.3013	0.0057
Cirrhosis of the Liver-Stage 2 or 3	0.7679	<.0001
Neoplasm, Malignant: Pancreas-Stage 1	0.8360	0.0386
Neoplasm, Malignant: Pancreas-Stage 2 or 3	1.3469	0.0051

*History variables are calculated on previous 5 years of exposure data

Pancreatitis-all stages	1.0560	0.0079
Progressive Systemic Sclerosis-Stage 2 or 3	1.0431	0.0155
Cerebrovascular Disease-Stage 1	0.2701	0.2083
Cerebrovascular Disease-Stage 2	-0.2745	0.2425
Cerebrovascular Disease-Stage 3	-0.2845	0.3180
Dementia: Primary Degenerative (Alzheimer or Pick)-Stage 1	0.6421	0.0743
Epilepsy-all stages	-0.4298	0.1025
Bipolar Disorder - Major Depressive Episode-Stage 2 or 3	-0.5924	0.2896
Depression-Stage 1 or 2	0.1495	0.4002
Drug Abuse, Dependence, Intoxication: Alcohol-Stage 1	-0.6312	0.2187
Drug Abuse, Dependence, Intoxication: Alcohol-Stage 2 or 3	0.4370	0.1568
Chronic Obstructive Pulmonary Disease-Stage 1 or 2	0.1433	0.4617
Neoplasm, Malignant: Lungs, Bronchi, or Mediastinum-Stage 1	0.4562	0.0554
Neoplasm, Malignant: Lungs, Bronchi, or Mediastinum-Stage 3	0.4995	0.0489
Pneumonia: Bacterial-Stage 1	0.3737	0.0753
Pneumonia: Bacterial-Stage 3	-0.4891	0.1195
Pulmonary Embolism-Stage 3	0.8005	0.0250
Any Cancer - Stage 1 (from hospital data)	0.2989	0.0931
Any Cancer - Stage 2 (from hospital data)	0.2308	0.2732
Any Cancer - Stage 3 (from hospital data)	0.8552	<.0001
Any Cardiovascular Disease - Stage 1 (from hospital data)	-0.2364	0.0023
Any Cardiovascular Disease - Stage 2 (from hospital data)	0.0953	0.3950
Any Cardiovascular - Stage 3 (from hospital data)	0.1844	0.1691
Any Endocrine - Stage 2 (from hospital data)	0.4515	<.0001
Any Endocrine Disease - Stage 3 (from hospital data)	0.7544	0.0013
Any Ear,Nose,Throat Disease - Stage 2 (from hospital data)	-0.8908	0.3948
Any Gastrointestinal Disease - Stage 2 (from hospital data)	0.3647	0.0445
Any Hepatobiliary Disease - Stage 1 (from hospital data)	-0.6278	0.0950
Any Hepatobiliary Disease - Stage 2 (from hospital data)	-0.4898	0.3504
Any Infectious Disease - Stage 3 (from hospital data)	-0.3543	0.3858
Any Neurologic Disease - Stage 2 (from hospital data)	0.5032	0.0016
Any Neurologic Disease - Stage 3 (from hospital data)	0.4457	0.0740
Any Psychologic Disease - Stage 1 (from hospital data)	-0.2030	0.1733
Any Psychologic Disease - Stage 2 (from hospital data)	0.1866	0.3379
Any Psychologic Disease - Stage 3 (from hospital data)	0.9858	0.0302
Any Respiratory Disease – Stage 1 (from hospital data)	-0.3063	0.0617
Any Respiratory Disease - Stage 3 (from hospital data)	0.9969	<.0001
Any Skin Disease - Stage 2 (from hospital data)	-0.5257	0.1185
Neoplasm, Malignant: Melanoma-Stage 2	-1.2688	0.1880
Neoplasm, Malignant: Melanoma-Stage 3	1.5149	0.0037
Cancer (from any data source)	-0.3957	0.0036
Cancer (from drug prescription)	0.4367	0.0002
Eye Disease (from drug prescriptions)	0.4615	0.0460
Gastrointestinal Disease (from drug prescriptions)	0.0544	0.1584

*History variables are calculated on previous 5 years of exposure data

Genitourinary Disease (from drug prescriptions)	0.2762	0.1949
Immunologic Disease (from drug prescriptions)	-1.0597	0.0780
Psychological Disease (from drug prescriptions)	-0.1619	0.3523
Respiratory Disease (from drug prescriptions)	0.2058	0.0005
Skin Disease (from drug prescriptions)	0.1296	0.4503
Day hospitalization	-0.0504	0.4576
Drug-Drug interactions	0.2803	0.0229
Statins	-0.2104	<.0001
Beta-blockers	0.0461	0.1974
Anti-platelets	0.1061	0.0107
Calcium channel blockers	0.0933	0.0329
Anti-arrhythmics	0.2835	0.0060
Digitalis glycosides	-0.2094	0.2138
Nitrates	0.4632	<.0001
Diuretics	0.2687	<.0001
Ear,Nose,Throat Disease (from any data source)	-0.3916	0.1154
Number of ER visits labeled 'Yellow'	0.0881	0.2672
Total number of ER visits	0.1621	0.0341
Eye Disease (from any data source)	-0.6320	0.0043
Genitourinary Disease (from any data source)	0.7024	0.0014
Gynecologic Disease (from any data source)	-0.6085	<.0001
Hematologic Disease (from any data source)	0.2896	0.0019
Hepatobiliary Disease (from any data source)	0.4386	0.0713
History of Cancer (from drug prescriptions) *	0.2544	<.0001
History of Neurological Disease (from drug prescriptions) *	0.0571	0.2898
History of Respiratory Disease (from drug prescriptions) *	0.0775	0.0855
History of Aortic Stenosis-Stage 1 *	0.1809	0.4275
History of Arrhythmias-Stage 2 *	0.3253	0.0041
History of Arrhythmias-Stage 3 *	0.3799	0.2085
History of Cardiomyopathies-Stage 2 *	0.4667	0.0155
History of Congestive Heart Failure-Stage 3 *	0.1210	0.4597
History of Coronary Artery Disease-Stage 1 *	0.3581	0.0002
History of Coronary Artery Disease-Stage 2 *	0.1121	0.4469
History of Coronary Artery Disease-Stage 3 *	0.3913	0.0023
History of Essential Hypertension-Stage 1 *	0.0703	0.1748
History of Infective Endocarditis-Stage 3 *	-0.5804	0.3469
History of Mitral Stenosis-Stage 2 *	0.4323	0.1047
History of Pericarditis: Viral or Traumatic-Stage 2 or 3 *	-0.5354	0.2771
History of Tibial/Iliac/Femoral/Popliteal Artery Disease-Stage 2 or 3 *	0.5543	0.0659
History of Diabetes Mellitus Type 1 or Type 2-Stage 1 *	0.3017	<.0001
History of Diabetes Mellitus Type 1 or Type 2-Stage 2 *	0.3810	0.0005
History of Diabetes Mellitus Type 1 or Type 2-Stage 3 *	0.4846	0.0020
History of Hypothyroidism-Stage 2 or 3 *	0.2600	0.3833

*History variables are calculated on previous 5 years of exposure data

History of Crohns Disease-Stage 2 or 3 *	0.7668	0.0458
History of Diverticular Disease-Stage 1 *	0.3579	0.0123
History of Diverticular Disease-Stage 2 or 3 *	0.7500	0.0026
History of Neoplasm, Malignant: Stomach-Stage 3 *	1.3562	0.0009
History of Calculus of the Urinary Tract-Stage 1 *	0.1328	0.4254
History of Calculus of the Urinary Tract-Stage 2 or 3 *	0.1600	0.4523
History of Neoplasm, Malignant: Kidneys-Stage 1 *	-0.2475	0.4638
History of Neoplasm, Malignant: Kidneys-Stage 3 *	1.1246	0.0296
History of Renal Failure-Stage 2 or 3 *	0.5356	<.0001
History of Neoplasm, Malignant: Breast, Female-Stage 1 *	-0.2892	0.0025
History of Neoplasm, Malignant: Breast, Female-Stage 3 *	0.5799	0.0001
History of Neoplasm, Malignant: Ovaries-Stage 2 or 3 *	0.4641	0.0675
History of Anemia: Aplastic, Acquired-Stage 2 or 3 *	0.2917	0.1730
History of Neoplasm, Malignant Hematologic-Stage 2 *	0.2692	0.3031
History of Neoplasm, Malignant Hematologic-Stage 2 *	-0.6343	0.2195
History of Cholecystitis and Cholelithiasis-Stage 2 *	0.4606	0.0057
History of Cholecystitis and Cholelithiasis-Stage 3 *	-0.3862	0.3756
History of Cirrhosis of the Liver-Stage 2 or 3 *	0.1037	0.4226
History of Neoplasm, Malignant: Pancreas-Stage 1 *	0.9151	0.0222
History of Neoplasm, Malignant: Pancreas-Stage 2 or 3 *	-1.0822	0.1459
History of Pancreatitis-any stage *	0.2106	0.4490
History of Progressive Systemic Sclerosis-Stage 1 *	0.2697	0.2504
History of Progressive Systemic Sclerosis-Stage 2 or 3 *	-0.4137	0.2802
History of Cerebrovascular Disease-Stage 1 *	0.2919	0.0479
History of Cerebrovascular Disease-Stage 2 *	0.1387	0.2983
History of Cerebrovascular Disease-Stage 3 *	0.3321	0.0030
History of Dementia: Primary Degenerative (Alzheimer or Pick)-Stage 1 *	0.2370	0.3913
History of Dementia: Primary Degenerative (Alzheimer or Pick)-Stage 2 or 3 *	1.0816	0.1258
History of Obesity-Stage 2 or 3 *	0.2556	0.0066
History of polypharmacy *	0.1792	<.0001
History of Bipolar Disorder - Major Depressive Episode-Stage 2 or 3 *	0.5506	0.0209
History of Bipolar Disorder - Manic Episode-Stage 2 *	0.6414	0.0002
History of Depression-Stage 1 or 2 *	0.3655	<.0001
History of Drug Abuse, Dependence, Intoxication: Alcohol-Stage 1 *	0.6588	0.0024
History of Drug Abuse, Dependence, Intoxication: Alcohol-Stage 2 or 3 *	0.6840	<.0001
History of Chronic Obstructive Pulmonary Disease-Stage 1 or 2 *	0.4496	<.0001
History of Chronic Obstructive Pulmonary Disease-Stage 3 *	0.9085	<.0001
History of Neoplasm, Malignant: Lungs, Bronchi, or Mediastinum-Stage 2 *	1.1063	0.0136

*History variables are calculated on previous 5 years of exposure data

History of Neoplasm, Malignant: Lungs, Bronchi, or Mediastinum-Stage 3 *	0.4570	0.1957
History of Pneumonia: Bacterial-Stage 2 *	0.7303	0.1047
History of Oral Anti-coagulants *	0.4605	<.0001
History of Other Cardiovascular drugs *	0.0431	0.3044
History of Statins *	0.0710	0.1377
Immunologic Disease (from any data source)	0.7304	0.0366
Neurologic Disease (from any data source)	0.2104	0.0008
Hospitalization	0.2413	0.0005
Polypharmacy	0.3614	<.0001
Psychological Disease (from any data source)	0.2990	0.0875
Cancer (from hospital data)	0.2380	0.2926
Gastrointestinal Disease (from hospital data)	-0.2031	0.0659
Genitourinary Disease (from hospital data)	-0.4981	0.0234
Hepatobiliary (from hospital data)	-0.5335	0.2235
Musculoskeletal Disease (from hospital data)	-0.4348	<.0001
Any of the other 9 Cardiovascular drugs	-0.1434	0.0142

Males 55-64

Variable	Coefficient	p-value
Intercept	-4.2367	<.0001
Number of Chronic Conditions (from any data source)=1	0.3641	<.0001
Number of Chronic Conditions (from any data source)=2	0.7530	<.0001
Number of Chronic Conditions (from any data source)=3	1.0181	<.0001
Number of Chronic Conditions (from any data source)=4	1.2055	<.0001
Number of Chronic Conditions (from any data source)=5	1.4339	<.0001
Number of Chronic Conditions (from any data source)=6 or more	1.4674	<.0001
Number of Chronic Conditions (from hospital data)=1	0.4141	<.0001
Number of Chronic Conditions (from hospital data)=2	0.5725	<.0001
Number of Chronic Conditions (from hospital data)=3	0.7463	<.0001
Number of Chronic Conditions (from hospital data)=4 or more	0.6436	0.0066
Number of Chronic Conditions (from home health prescription)=1 or more	-0.5216	0.0939
Number of Chronic Conditions (from drug prescriptions)=1	-0.0825	0.3624
Number of Chronic Conditions (from drug prescriptions)=2	-0.3715	0.0074
Number of Chronic Conditions (from drug prescriptions)=3	-0.5199	0.0060
Number of Chronic Conditions (from drug prescriptions)=4	-0.7343	0.0025
Number of Chronic Conditions (from drug prescriptions)=5 or more	-0.8378	0.0069
Age on 12 /31/ 2012	-0.00009	<.0001
Cancer (from home health prescription)	1.5149	<.0001
Cardiovascular Disease (from home health prescription)	0.6241	0.0555
Endocrine Disease (from home health prescription)	1.2243	0.0016
Genitourinary Disease (from home health prescription)	0.5007	0.4113

*History variables are calculated on previous 5 years of exposure data

Blood Diseases (from home health prescription)	1.2676	0.2946
Musculoskeletal Disease (from home health prescription)	1.2147	0.0136
Neurologic Diseases (from home health prescription)	1.5200	<.0001
Mental Disorders (from home health prescription)	0.9790	0.0086
Respiratory Diseases (from home health prescription)	0.5207	0.3572
Skin Disease (from home health prescription)	1.2618	0.0224
Cancer (chemo or radiation)	0.4095	0.0006
Genitourinary (dialysis)	0.4977	0.0006
Aneurysm, Abdominal-all stages	-0.4983	0.0674
Aneurysm, Thoracic-all stages	-1.0860	0.0027
Aortic Stenosis-Stage 3	0.3053	0.4855
Arrhythmias-Stage 1	0.3575	0.2891
Arrhythmias-Stage 3	0.4253	0.1234
Cardiomyopathies-Stage 2	0.1958	0.2233
Cardiomyopathies-Stage 3	0.3422	0.0864
Congestive Heart Failure-Stage3	0.2219	0.2411
Coronary Artery Disease-Stage 1	-0.0683	0.3883
Coronary Artery Disease-Stage 2	0.0967	0.3847
Essential Hypertension-Stage 2	-0.1509	0.2134
Mitral Stenosis-Stage 2	0.4867	0.0815
Thrombophlebitis-Stage 1	0.3111	0.1622
Thrombophlebitis-Stage 2 or 3	0.2554	0.2361
Tibial/Iliac/Femoral/Popliteal Artery Disease-Stage 1	0.1621	0.2869
Crohns Disease-Stage 1	1.2423	0.0002
Diverticular Disease-Stage 1	0.1565	0.4435
Diverticular Disease-Stage 2 or 3	-0.6513	0.1725
Functional Digestive Disorders-Stage 1	0.2423	0.3863
Hernia, Hiatal or Reflux Esophagitis-Stage 1	0.4054	0.0335
Hernia, Hiatal or Reflux Esophagitis-Stage 2 or 3	0.3879	0.3142
Neoplasm, Malignant: Colon and Rectum-Stage 2	-0.3750	0.1667
Neoplasm, Malignant: Colon and Rectum-Stage 3	0.1798	0.4389
Neoplasm, Malignant: Stomach-Stage 1	0.3938	0.2408
Neoplasm, Malignant: Stomach-Stage 3	0.5800	0.1449
Calculus of the Urinary Tract-Stage 2 or 3	0.2830	0.3339
Neoplasm, Malignant: Bladder, Urinary-Stage 3	0.8356	0.0617
Neoplasm, Malignant: Kidneys-Stage 3	0.9161	0.0054
Renal Failure-Stage 2 or 3	0.2518	0.0215
Anemia: Aplastic, Acquired-Stage 2 or 3	0.3357	0.2123
Neoplasm, Malignant Hematologic-Stage 2	-0.4371	0.1590
Neoplasm, Malignant Hematologic-Stage 3	-0.8421	0.0510
Cholecystitis and Cholelithiasis-Stage 1	0.1946	0.3670
Cholecystitis and Cholelithiasis-Stage 2	0.7374	0.0003
Cirrhosis of the Liver-Stage 2 or 3	0.6437	<.0001
Neoplasm, Malignant: Pancreas-Stage 1	1.1672	0.0009

*History variables are calculated on previous 5 years of exposure data

Neoplasm, Malignant: Pancreas-Stage 2 or 3	0.4115	0.3686
Pancreatitis-all stages	0.6998	0.0093
Rheumatic Fever- Stage 2	0.2881	0.3795
Rheumatic Fever- Stage 3	0.7440	0.2101
Neoplasm, Malignant: Prostate-Stage 2	-0.9665	0.0008
Progressive Systemic Sclerosis-Stage 1	1.5792	0.0739
Cerebrovascular Disease-Stage 3	-0.3096	0.1750
Dementia: Primary Degenerative (Alzheimer or Pick)-Stage 1	0.3701	0.2504
Dementia: Primary Degenerative (Alzheimer or Pick)-Stage 2 or 3	-0.8789	0.3960
Bipolar Disorder - Major Depressive Episode-Stage 2 or 3	0.4031	0.3584
Bipolar Disorder - Manic Episode-Stage 2	0.3873	0.2024
Depression-Stage 1 or 2	-0.1959	0.3188
Drug Abuse, Dependence, Intoxication: Alcohol-Stage 2 or 3	0.5678	0.0022
Chronic Obstructive Pulmonary Disease-Stage 1 or 2	0.4929	0.0002
Chronic Obstructive Pulmonary Disease-Stage 3	0.7526	0.0053
Neoplasm, Malignant: Lungs, Bronchi, or Mediastinum-Stage 1	0.4482	0.0104
Neoplasm, Malignant: Lungs, Bronchi, or Mediastinum-Stage 3	0.7027	0.0037
Pneumonia: Bacterial-Stage 1	0.4147	0.0065
Pneumonia: Bacterial-Stage 2	-1.0459	0.0841
Any Cancer - Stage 1 (from hospital data)	0.1447	0.3765
Any Cancer - Stage 2 (from hospital data)	0.4529	0.0235
Any Cancer - Stage 3 (from hospital data)	0.8561	<.0001
Any Cardiovascular Disease - Stage 1 (from hospital data)	-0.1085	0.2067
Any Cardiovascular - Stage 3 (from hospital data)	0.1646	0.0649
Any Endocrine - Stage 2 (from hospital data)	0.1840	0.0457
Any Endocrine Disease - Stage 3 (from hospital data)	0.1092	0.4222
Any Eye Disease - All stages (from hospital data)	0.1685	0.4757
Any Gastrointestinal Disease - Stage 1 (from hospital data)	-0.3016	0.0049
Any Gastrointestinal Disease - Stage 2 (from hospital data)	0.2142	0.0818
Any Genitourinary Disease - Stage 2 (from hospital data)	0.1929	0.4584
Any Genitourinary Disease - Stage 3 (from hospital data)	-0.3144	0.2654
Any Male Genital System - All stages (from hospital data)	-0.4482	0.0010
Any Neurologic Disease - Stage 1 (from hospital data)	0.2517	0.1493
Any Neurologic Disease - Stage 2 (from hospital data)	0.3684	0.0263
Any Neurologic Disease - Stage 3 (from hospital data)	0.6947	0.0025
Any Respiratory Disease - Stage 2 (from hospital data)	0.3146	0.0525
Any Respiratory Disease - Stage 3 (from hospital data)	0.5118	0.0036
Neoplasm, Malignant: Melanoma-Stage 2	-1.0279	0.1274
Neoplasm, Malignant: Melanoma-Stage 3	0.8045	0.0919
Cancer (from any data source)	-0.5680	<.0001
Cancer (from drug prescription)	0.7548	<.0001
Cardiovascular Disease (from drug prescriptions)	-0.2032	0.0068
Eye Disease (from drug prescriptions)	0.4930	0.0727
Gastrointestinal Disease (from drug prescriptions)	0.2771	0.0301

*History variables are calculated on previous 5 years of exposure data

Genitourinary Disease (from drug prescriptions)	0.5082	0.0008
Hematologic Disease (from drug prescriptions)	0.7320	<.0001
Hepatobiliary Disease (from drug prescriptions)	0.7078	<.0001
Musculoskeletal Disease (from drug prescriptions)	0.2658	0.0704
Neurologic Diseases (from drug prescriptions)	-0.1106	0.4344
Respiratory Disease (from drug prescriptions)	0.3397	0.0140
Skin Disease (from drug prescriptions)	-0.8534	0.0737
Day hospitalization	-0.3167	0.0005
Number of day hospitalizations	0.1936	0.0009
Oral anti-coagulants	0.2097	0.0073
Alpha-blockers	-0.0815	0.1273
Statins	-0.1195	0.0067
Beta-blockers	0.0758	0.0200
ACE/ARB	-0.1067	0.0015
Anti-platelets	0.2416	<.0001
Anti-arrhythmics	0.2796	<.0001
Nitrates	0.3750	<.0001
Diuretics	0.1841	<.0001
Ear,Nose,Throat Disease (from any data source)	-0.4299	0.0218
Total number of ER visits	0.1667	<.0001
Eye Disease (from any data source)	-0.5605	0.0459
Gastrointestinal Disease (from any data source)	-0.2670	0.0340
Genitourinary Disease (from any data source)	-0.2029	0.0436
Hematologic Disease (from any data source)	-0.2489	0.0209
History of Endocrine Disease (from drug prescriptions) *	0.1446	0.0036
History of Neurological Disease (from drug prescriptions) *	0.1136	0.0491
History of Aortic Stenosis-Stage 1 *	0.1778	0.2745
History of Aortic Stenosis-Stage 3 *	-0.3400	0.2752
History of Arrhythmias-Stage 2 *	0.1806	0.0180
History of Cardiomyopathies-Stage 2 *	0.2800	0.0099
History of Cardiomyopathies-Stage 3 *	0.2745	0.0450
History of Congestive Heart Failure-Stage 3 *	0.3791	0.0032
History of Coronary Artery Disease-Stage 1 *	0.2123	<.0001
History of Coronary Artery Disease-Stage 2 *	0.2602	0.0002
History of Coronary Artery Disease-Stage 3 *	0.1210	0.0479
History of Essential Hypertension-Stage 3 *	0.1309	0.1997
History of Mitral Stenosis-Stage 2 *	0.1638	0.4910
History of Pericarditis: Chronic-Stage 2 or 3 *	-0.6191	0.0980
History of Thrombophlebitis-Stage 2 or 3 *	0.2574	0.0966
History of Tibial/Iliac/Femoral/Popliteal Artery Disease-Stage 2 or 3 *	0.3798	0.0282
History of Diabetes Mellitus Type 1 or Type 2-Stage 1 *	0.0741	0.1711
History of Diabetes Mellitus Type 1 or Type 2-Stage 2 *	0.2216	0.0034
History of Diabetes Mellitus Type 1 or Type 2-Stage 3 *	0.2666	0.0234

*History variables are calculated on previous 5 years of exposure data

History of Hypothyroidism-Stage 1 *	-0.1031	0.4735
History of Crohns Disease-Stage 2 or 3 *	0.5055	0.1168
History of Diverticular Disease-Stage 1 *	0.1351	0.3093
History of Diverticular Disease-Stage 2 or 3 *	0.3463	0.1463
History of Neoplasm, Malignant: Colon and Rectum-Stage 3 *	0.6400	0.0005
History of Neoplasm, Malignant: Stomach-Stage 1 *	0.7035	0.0151
History of Neoplasm, Malignant: Stomach-Stage 3 *	0.7735	0.0405
History of Ulcerative Colitis-any stage *	0.1614	0.4858
History of Calculus of the Urinary Tract-Stage 1 *	0.1264	0.1702
History of Calculus of the Urinary Tract-Stage 2 or 3 *	0.3105	0.0119
History of Neoplasm, Malignant: Kidneys-Stage 1 *	-0.3428	0.0948
History of Renal Failure-Stage 2 or 3 *	0.3768	<.0001
History of Anemia: Aplastic, Acquired-Stage 2 or 3 *	0.4850	0.0332
History of Neoplasm, Malignant Hematologic-Stage 1 *	0.2115	0.1691
History of Neoplasm, Malignant Hematologic-Stage 2 *	0.2152	0.3377
History of Neoplasm, Malignant Hematologic-Stage 2 *	-0.5625	0.1068
History of Cholecystitis and Cholelithiasis-Stage 1 *	0.3497	0.0041
History of Cholecystitis and Cholelithiasis-Stage 3 *	0.1889	0.4655
History of Cirrhosis of the Liver-Stage 2 or 3 *	0.3937	<.0001
History of Neoplasm, Malignant: Pancreas-Stage 1 *	0.3556	0.3596
History of Neoplasm, Malignant: Pancreas-Stage 2 or 3 *	-0.7080	0.2534
History of Pancreatitis-any stage *	0.5502	0.0003
History of Rheumatic Fever-Stage 3 *	0.6045	0.2213
History of Neoplasm, Malignant: Prostate-Stage 2 *	-0.3042	0.0181
History of Progressive Systemic Sclerosis-Stage 1 *	-1.8861	0.1260
History of Progressive Systemic Sclerosis-Stage 2 or 3 *	1.2042	0.1939
History of Cerebrovascular Disease-Stage 1 *	0.1150	0.3529
History of Cerebrovascular Disease-Stage 2 *	0.1580	0.0735
History of Cerebrovascular Disease-Stage 3 *	0.2798	0.0003
History of Dementia: Primary Degenerative (Alzheimer or Pick)- Stage 1 *	0.5172	0.0355
History of Dementia: Primary Degenerative (Alzheimer or Pick)- Stage 2 or 3 *	0.9102	0.1461
History of Obesity-Stage 2 or 3 *	0.2153	0.0147
History of polypharmacy *	0.1251	0.0003
History of Bipolar Disorder - Manic Episode-Stage 2 *	0.4806	0.0162
History of Depression-Stage 1 or 2 *	0.4028	<.0001
History of Drug Abuse, Dependence, Intoxication: Alcohol-Stage 1 *	0.3627	0.009
History of Drug Abuse, Dependence, Intoxication: Alcohol-Stage 2 or 3 *	0.6949	<.0001
History of Chronic Obstructive Pulmonary Disease-Stage 1 or 2 *	0.3625	<.0001
History of Chronic Obstructive Pulmonary Disease-Stage 3 *	0.9574	<.0001
History of Neoplasm, Malignant: Lungs, Bronchi, or Mediastinum- Stage 1 *	0.1444	0.4290

*History variables are calculated on previous 5 years of exposure data

History of Neoplasm, Malignant: Lungs, Bronchi, or Mediastinum-Stage 2 *	0.3890	0.3220
History of Neoplasm, Malignant: Lungs, Bronchi, or Mediastinum-Stage 3 *	0.7587	0.0080
History of Pneumonia: Bacterial-Stage 2 *	-0.9199	0.0638
History of Pneumonia: Bacterial-Stage 3 *	0.4583	0.0128
History of Neoplasm, Malignant: Melanoma-Stage 2 *	0.2292	0.4962
History of Neoplasm, Malignant: Melanoma-Stage 3 *	0.6301	0.2916
History of Oral Anti-coagulants *	0.0666	0.3850
History of Other Cardiovascular drugs *	0.0303	0.4200
History of Statins *	0.0592	0.1378
Immunologic Disease (from any data source)	0.2942	0.1479
Male Genital System (from any data source)	-0.1980	0.0015
Musculoskeletal Disease (from any data source)	-0.3422	0.0208
Neurologic Disease (from any data source)	0.2313	0.1007
Hospitalization	0.2053	0.0038
Number of hospitalizations	0.0291	0.2995
Polypharmacy	0.2601	<.0001
Psychological Disease (from any data source)	0.1041	0.0984
Respiratory Disease (from any data source)	-0.1691	0.2366
Cancer (from hospital data)	0.2023	0.3581
Cardiovascular Disease (from hospital data)	-0.0893	0.3710
Hepatobiliary (from hospital data)	-0.6082	<.0001
Musculoskeletal Disease (from hospital data)	-0.4016	0.0016
Neurologic Disease (from hospital data)	-0.6060	0.0072
Psychological Disease (from hospital data)	-0.2465	0.1059
Respiratory Disease (from hospital data)	-0.2243	0.1884
Skin Disease (from hospital data)	-0.5825	0.2155
Skin Disease (from any data source)	0.6403	0.1830
Any of the other 9 Cardiovascular drugs	0.0866	0.1859

Females 65-74

Variable	Coefficient	p-value
Intercept	-4.5504	<.0001
Number of Chronic Conditions (from any data source)=1	0.3294	0.0005
Number of Chronic Conditions (from any data source)=2	0.7012	<.0001
Number of Chronic Conditions (from any data source)=3	1.0162	<.0001
Number of Chronic Conditions (from any data source)=4	1.2243	<.0001
Number of Chronic Conditions (from any data source)=5	1.3625	<.0001
Number of Chronic Conditions (from any data source)=6 or more	1.5014	<.0001
Number of Chronic Conditions (from hospital data)=1	0.3904	<.0001
Number of Chronic Conditions (from hospital data)=2	0.4301	<.0001
Number of Chronic Conditions (from hospital data)=3	0.4970	<.0001

*History variables are calculated on previous 5 years of exposure data

Number of Chronic Conditions (from hospital data)=4 or more	0.5908	<.0001
Number of Chronic Conditions (from home health prescription)=1 or more	0.4758	<.0001
Number of Chronic Conditions (from drug prescriptions)=1	-0.1393	0.1297
Number of Chronic Conditions (from drug prescriptions)=2	-0.3041	0.0058
Number of Chronic Conditions (from drug prescriptions)=3	-0.3950	0.0024
Number of Chronic Conditions (from drug prescriptions)=4	-0.4051	0.0076
Number of Chronic Conditions (from drug prescriptions)=5 or more	-0.4003	0.0256
Age on 12 /31/ 2012	-0.00012	<.0001
Cancer (from home health prescription)	0.6069	<.0001
Cardiovascular Disease (from home health prescription)	-0.2636	0.0301
Blood Diseases (from home health prescription)	0.6193	0.1479
Neurologic Diseases (from home health prescription)	0.4376	0.0016
Mental Disorders (from home health prescription)	-0.2879	0.1224
Cancer (chemo or radiation)	0.1589	0.0714
Aortic Stenosis-Stage 1	0.5120	0.0026
Cardiomyopathies-Stage 3	0.8973	0.0003
Congestive Heart Failure-Stage3	0.3086	0.0103
Coronary Artery Disease-Stage 1	-0.1015	0.2148
Coronary Artery Disease-Stage 2	0.4617	0.0005
Coronary Artery Disease-Stage 3	0.2471	0.0565
Essential Hypertension-Stage 1	-0.1363	0.0191
Essential Hypertension-Stage 3	0.2124	0.0429
Mitral Stenosis-Stage 1	-0.4732	0.0120
Thrombophlebitis-Stage 2 or 3	0.7060	<.0001
Tibial/Iliac/Femoral/Popliteal Artery Disease-Stage 1	0.3844	0.0228
Tibial/Iliac/Femoral/Popliteal Artery Disease-Stage 2 or 3	0.8107	0.0004
Diabetes Mellitus Type 1 or Type 2-Stage 3	-0.6668	0.0022
Crohns Disease-Stage 2 or 3	0.7852	0.1300
Hernia, Hiatal or Reflux Esophagitis-Stage 1	0.1799	0.1780
Neoplasm, Malignant: Stomach-Stage 3	0.4943	0.1142
Neoplasm, Malignant: Bladder, Urinary-Stage 3	0.8348	0.0780
Neoplasm, Malignant: Breast, Female-Stage 1	-0.7289	<.0001
Neoplasm, Malignant: Breast, Female-Stage 3	-0.2375	0.1392
Anemia: Aplastic, Acquired-Stage 2 or 3	0.2640	0.1999
Neoplasm, Malignant Hematologic-Stage 1	0.2313	0.1024
Neoplasm, Malignant Hematologic-Stage 3	-1.0860	0.0017
Cirrhosis of the Liver-Stage 2 or 3	0.6134	<.0001
Neoplasm, Malignant: Pancreas-Stage 1	0.7125	0.0116
Neoplasm, Malignant: Pancreas-Stage 2 or 3	1.7605	<.0001
Rheumatic Fever- Stage 2	0.3447	0.0706
Cerebrovascular Disease-Stage 3	-0.6890	0.0007
Dementia: Primary Degenerative (Alzheimer or Pick)-Stage 2 or 3	0.3887	0.2397
Bipolar Disorder - Major Depressive Episode-Stage 2 or 3	-0.7551	0.1418

*History variables are calculated on previous 5 years of exposure data

Bipolar Disorder - Manic Episode-Stage 2	0.6386	0.0329
Depression-Stage 1 or 2	-0.1537	0.1428
Drug Abuse, Dependence, Intoxication: Alcohol-Stage 1	1.4878	0.0036
Chronic Obstructive Pulmonary Disease-Stage 1 or 2	0.1325	0.0980
Chronic Obstructive Pulmonary Disease-Stage 3	0.5302	0.0063
Neoplasm, Malignant: Lungs, Bronchi, or Mediastinum-Stage 1	0.5790	0.0005
Neoplasm, Malignant: Lungs, Bronchi, or Mediastinum-Stage 2	0.6907	0.0477
Neoplasm, Malignant: Lungs, Bronchi, or Mediastinum-Stage 3	0.7408	0.0003
Any Cancer - Stage 1 (from hospital data)	0.3101	<.0001
Any Cancer - Stage 3 (from hospital data)	1.2060	<.0001
Any Endocrine Disease - Stage 3 (from hospital data)	0.4493	0.0062
Any Eye Disease - All stages (from hospital data)	-0.1582	0.1255
Any Genitourinary Disease - Stage 2 (from hospital data)	0.3230	0.0655
Any Genitourinary Disease - Stage 3 (from hospital data)	-0.4009	0.1324
Any Gynecologic Disease - Stage 2 or 3 (from hospital data)	-0.4173	0.0548
Any Hepatobiliary Disease - Stage 1 (from hospital data)	-0.3374	0.0002
Any Hepatobiliary Disease - Stage 3 (from hospital data)	0.3881	0.1255
Any Immunologic Disease - All stages (from hospital data)	-0.5745	0.1396
Any Infectious Disease - Stage 3 (from hospital data)	0.5105	0.0511
Any Neurologic Disease - Stage 3 (from hospital data)	0.8526	<.0001
Any Psychologic Disease - Stage 2 (from hospital data)	0.3067	0.0376
Any Psychologic Disease - Stage 3 (from hospital data)	0.6691	0.0261
Any Respiratory Disease - Stage 3 (from hospital data)	0.1787	0.1601
Any Skin Disease - Stage 1 (from hospital data)	-0.2893	0.0063
Cancer (from any data source)	-0.3239	<.0001
Cancer (from drug prescriptions)	0.3190	<.0001
Cardiovascular Disease (from drug prescriptions)	-0.3086	<.0001
Genitourinary Disease (from drug prescriptions)	0.6302	<.0001
Hematologic Disease (from drug prescriptions)	0.3673	<.0001
Hepatobiliary Disease (from drug prescriptions)	0.6321	0.0005
Musculoskeletal Disease (from drug prescriptions)	0.1877	0.0283
Respiratory Disease (from drug prescriptions)	0.1731	<.0001
Oral anti-coagulants	0.2036	0.0012
Statins	-0.1126	<.0001
ACE/ARB	-0.1348	<.0001
Anti-platelets	0.1104	0.0002
Anti-arrhythmics	0.0912	0.0986
Digitalis glycosides	0.2082	0.0046
Nitrates	0.2180	<.0001
Diuretics	0.0387	0.2255
Endocrine Disease (from any data source)	-0.1114	0.0002
Ear,Nose,Throat Disease (from any data source)	-0.4077	0.0494
Number of ER visits labeled 'Yellow'	-0.3525	<.0001
Total number of ER visits	0.5514	<.0001

*History variables are calculated on previous 5 years of exposure data

Eye Disease (from any data source)	-0.2411	<.0001
Gastrointestinal Disease (from any data source)	-0.0917	0.0025
Gynecologic Disease (from any data source)	-0.4752	<.0001
History of Cancer (from drug prescriptions) *	0.1368	0.0038
History of Neurological Disease (from drug prescriptions) *	0.1374	<.0001
History of Aortic Stenosis-Stage 3 *	0.2156	0.1868
History of Arrhythmias-Stage 2 *	0.1567	0.0059
History of Cardiomyopathies-Stage 2 *	0.4598	0.0002
History of Congestive Heart Failure-Stage 3 *	0.2601	0.0033
History of Coronary Artery Disease-Stage 1 *	0.1550	0.0040
History of Coronary Artery Disease-Stage 2 *	0.1778	0.0271
History of Coronary Artery Disease-Stage 3 *	0.2409	0.0019
History of Essential Hypertension-Stage 2 *	0.1060	0.0526
History of Essential Hypertension-Stage 3 *	0.1504	0.0375
History of Mitral Stenosis-Stage 2 *	-0.2678	0.0937
History of Mitral Stenosis-Stage 3 *	0.3696	0.0337
History of Diabetes Mellitus Type 1 or Type 2-Stage 1 *	0.2128	<.0001
History of Diabetes Mellitus Type 1 or Type 2-Stage 2 *	0.3147	<.0001
History of Diabetes Mellitus Type 1 or Type 2-Stage 3 *	0.4937	<.0001
History of Crohns Disease-Stage 2 or 3 *	0.5581	0.0954
History of Neoplasm, Malignant: Colon and Rectum-Stage 3 *	0.4016	0.0044
History of Neoplasm, Malignant: Stomach-Stage 3 *	0.4353	0.1847
History of Calculus of the Urinary Tract-Stage 1 *	0.2185	0.0607
History of Neoplasm, Malignant: Kidneys-Stage 3 *	-0.7174	0.1125
History of Renal Failure-Stage 2 or 3 *	0.4347	<.0001
History of Neoplasm, Malignant: Breast, Female-Stage 1 *	-0.1897	0.0064
History of Neoplasm, Malignant: Breast, Female-Stage 3 *	0.2713	0.0494
History of Neoplasm, Malignant: Ovaries-Stage 1 *	0.4490	0.0239
History of Neoplasm, Malignant Hematologic-Stage 2 *	0.5429	0.0348
History of Cholecystitis and Cholelithiasis-Stage 2 *	0.1929	0.0880
History of Cirrhosis of the Liver-Stage 2 or 3 *	0.3420	<.0001
History of Progressive Systemic Sclerosis-Stage 2 or 3 *	0.7431	<.0001
History of Cerebrovascular Disease-Stage 1 *	0.2276	0.0043
History of Cerebrovascular Disease-Stage 3 *	0.1967	0.0029
History of Dementia: Primary Degenerative (Alzheimer or Pick)- Stage 1 *	0.4871	<.0001
History of Dementia: Primary Degenerative (Alzheimer or Pick)- Stage 2 or 3 *	0.7255	0.0080
History of Obesity-Stage 2 or 3 *	0.1359	0.0870
History of polypharmacy *	0.1622	<.0001
History of Bipolar Disorder - Major Depressive Episode-Stage 2 or 3 *	0.6969	0.0010
History of Depression-Stage 1 or 2 *	0.1646	0.0034
History of Drug Abuse, Dependence, Intoxication: Alcohol-Stage 1 *	0.8459	0.0008

*History variables are calculated on previous 5 years of exposure data

History of Drug Abuse, Dependence, Intoxication: Alcohol-Stage 2 or 3 *	0.6589	<.0001
History of Chronic Obstructive Pulmonary Disease-Stage 1 or 2 *	0.4628	<.0001
History of Chronic Obstructive Pulmonary Disease-Stage 3 *	0.8534	<.0001
History of Neoplasm, Malignant: Lungs, Bronchi, or Mediastinum-Stage 1 *	0.2386	0.1126
History of Neoplasm, Malignant: Lungs, Bronchi, or Mediastinum-Stage 2 *	0.6212	0.0971
History of Pneumonia: Bacterial-Stage 2 *	0.4624	0.1267
History of Pneumonia: Bacterial-Stage 3 *	0.4924	0.0003
History of Neoplasm, Malignant: Melanoma-Stage 3 *	0.8606	0.1231
History of Oral Anti-coagulants *	0.2508	<.0001
History of Other Cardiovascular drugs *	0.1002	0.0015
Musculoskeletal Disease (from any data source)	-0.3863	<.0001
Hospitalization	0.2562	<.0001
Number of hospitalizations	-0.0651	0.0068
Polypharmacy	0.2370	<.0001
Cardiovascular Disease (from hospital data)	-0.0957	0.1172
Musculoskeletal Disease (from hospital data)	-0.2090	0.0016
Any of the other 9 Cardiovascular drugs	0.0806	0.1274
Number of the other 9 Cardiovascular drugs	0.0425	0.0129

Males 65-74

Variable	Coefficient	p-value
Intercept	-4.0290	<.0001
Number of Chronic Conditions (from any data source)=1	0.3090	<.0001
Number of Chronic Conditions (from any data source)=2	0.4055	<.0001
Number of Chronic Conditions (from any data source)=3	0.6026	<.0001
Number of Chronic Conditions (from any data source)=4	0.7813	<.0001
Number of Chronic Conditions (from any data source)=5	0.7088	<.0001
Number of Chronic Conditions (from any data source)=6 or more	0.8178	<.0001
Number of Chronic Conditions (from hospital data)=1	0.2460	<.0001
Number of Chronic Conditions (from hospital data)=2	0.3676	<.0001
Number of Chronic Conditions (from hospital data)=3	0.3746	<.0001
Number of Chronic Conditions (from hospital data)=4 or more	0.4616	<.0001
Number of Chronic Conditions (from home health prescription)=1 or more	0.7247	<.0001
Number of Chronic Conditions (from drug prescriptions)=1	-0.0302	0.6751
Number of Chronic Conditions (from drug prescriptions)=2	0.0804	0.3543
Number of Chronic Conditions (from drug prescriptions)=3	0.0770	0.4505
Number of Chronic Conditions (from drug prescriptions)=4	0.1604	0.1774
Number of Chronic Conditions (from drug prescriptions)=5 or more	0.3823	0.0066
Age on 12 /31/ 2012	-0.0001	<.0001

*History variables are calculated on previous 5 years of exposure data

Cardiovascular Disease (from home health prescription)	-0.2088	0.0342
Gastrointestinal Disease (from home health prescription)	-0.9964	0.0117
Cancer (chemo or radiation)	0.4296	<.0001
Cardiomyopathies-Stage 3	0.5047	0.0007
Coronary Artery Disease-Stage 2	0.2966	<.0001
Coronary Artery Disease-Stage 3	0.2001	0.0086
Tibial/Iliac/Femoral/Popliteal Artery Disease-Stage 1	0.2752	0.0019
Tibial/Iliac/Femoral/Popliteal Artery Disease-Stage 2 or 3	0.3313	0.0330
Hyperthyroidism-Stage 1	-0.8506	0.0059
Hyperthyroidism-Stage 2 or 3	-0.8443	0.0397
Hypothyroidism-Stage 1	-0.4005	0.0102
Diverticular Disease-Stage 1	0.3805	0.0034
Gastritis-Stage 1	0.2944	0.0367
Hernia, Hiatal or Reflux Esophagitis-Stage 1	0.3404	0.0214
Neoplasm, Malignant: Stomach-Stage 3	0.6357	0.0021
Neoplasm, Malignant: Bladder, Urinary-Stage 1	-0.3858	0.0003
Neoplasm, Malignant: Bladder, Urinary-Stage 3	1.0573	0.0003
Renal Failure-Stage 2 or 3	0.2462	0.0001
Cholecystitis and Cholelithiasis-Stage 2	0.8383	0.0010
Cirrhosis of the Liver-Stage 2 or 3	0.5557	<.0001
Neoplasm, Malignant: Pancreas-Stage 1	0.8289	0.0004
Neoplasm, Malignant: Pancreas-Stage 2 or 3	1.0295	0.0026
Rheumatic Fever- Stage 2	0.4941	0.0138
Rheumatic Fever- Stage 3	0.9219	0.0348
Neoplasm, Malignant: Prostate-Stage 2	-0.5899	<.0001
Cerebrovascular Disease-Stage 1	0.2014	0.0319
Cerebrovascular Disease-Stage 3	-0.3785	0.0234
Drug Abuse, Dependence, Intoxication: Alcohol-Stage 2 or 3	0.2581	0.1704
Neoplasm, Malignant: Lungs, Bronchi, or Mediastinum-Stage 1	0.6623	<.0001
Neoplasm, Malignant: Lungs, Bronchi, or Mediastinum-Stage 2	1.0595	<.0001
Neoplasm, Malignant: Lungs, Bronchi, or Mediastinum-Stage 3	0.9074	<.0001
Pulmonary Embolism-Stage 3	0.5962	0.0059
Any Cancer - Stage 1 (from hospital data)	0.1424	0.1477
Any Cancer - Stage 3 (from hospital data)	0.9400	<.0001
Any Cardiovascular Disease - Stage 1 (from hospital data)	-0.0869	0.0242
Any Ear,Nose,Throat Disease - Stage 1 (from hospital data)	-0.4741	0.0100
Any Gastrointestinal Disease - Stage 1 (from hospital data)	-0.2854	<.0001
Any Hepatobiliary Disease - Stage 2 (from hospital data)	-0.5419	0.0149
Any Hepatobiliary Disease - Stage 3 (from hospital data)	0.4751	0.0179
Any Immunologic Disease - All stages (from hospital data)	0.6987	0.0029
Any Musculoskeletal Disease - Stage 1 (from hospital data)	-0.2629	<.0001
Any Neurologic Disease - Stage 3 (from hospital data)	0.5546	0.0004
Any Psychologic Disease - Stage 1 (from hospital data)	-0.4107	0.0146
Any Psychologic Disease - Stage 3 (from hospital data)	-0.7275	0.0035

*History variables are calculated on previous 5 years of exposure data

Any Respiratory Disease - Stage 3 (from hospital data)	0.6359	<.0001
Cancer (from any data source)	-0.3827	<.0001
Cancer (from drug prescriptions)	0.2794	<.0001
Cardiovascular Disease (from drug prescriptions)	-0.3439	<.0001
Eye Disease (from drug prescriptions)	-0.3279	<.0001
Genitourinary Disease (from drug prescriptions)	0.2042	0.0754
Hepatobiliary Disease (from drug prescriptions)	0.5858	0.0002
Respiratory Disease (from drug prescriptions)	0.1468	<.0001
Drug-Drug interactions	0.1473	0.0128
Oral anti-coagulants	0.1161	0.0182
Statins	-0.1331	<.0001
Beta-blockers	0.0499	0.0248
ACE/ARB	-0.0997	<.0001
Anti-platelets	0.1992	<.0001
Anti-arrhythmics	0.1064	0.0130
Digitalis glycosides	0.3471	<.0001
Nitrates	0.3349	<.0001
Diuretics	0.1464	<.0001
Total number of ER visits	0.1632	<.0001
Gastrointestinal Disease (from any data source)	-0.1029	<.0001
Genitourinary Disease (from any data source)	0.3139	0.0021
History of Cancer (from drug prescriptions) *	0.1477	0.0020
History of Neurological Disease (from drug prescriptions) *	0.1240	0.0001
History of Cardiomyopathies-Stage 2 *	0.3116	<.0001
History of Cardiomyopathies-Stage 3 *	0.4397	<.0001
History of Congestive Heart Failure-Stage 3 *	0.3374	<.0001
History of Coronary Artery Disease-Stage 1 *	0.2568	<.0001
History of Essential Hypertension-Stage 2 *	0.1079	0.0140
History of Diabetes Mellitus Type 1 or Type 2-Stage 1 *	0.1006	0.0031
History of Diabetes Mellitus Type 1 or Type 2-Stage 2 *	0.1970	0.0001
History of Neoplasm, Malignant: Colon and Rectum-Stage 3 *	0.3887	0.0005
History of Renal Failure-Stage 2 or 3 *	0.3301	<.0001
History of Cholecystitis and Cholelithiasis-Stage 1 *	0.2586	0.0009
History of Cirrhosis of the Liver-Stage 2 or 3 *	0.3021	<.0001
History of Neoplasm, Malignant: Prostate-Stage 3 *	0.3601	0.0252
History of Cerebrovascular Disease-Stage 1 *	0.1414	0.0309
History of Cerebrovascular Disease-Stage 3 *	0.2819	<.0001
History of Dementia: Primary Degenerative (Alzheimer or Pick)- Stage 1 *	0.6145	<.0001
History of polypharmacy *	0.1051	<.0001
History of Bipolar Disorder - Manic Episode-Stage 1 *	0.6800	0.0265
History of Drug Abuse, Dependence, Intoxication: Alcohol-Stage 1 *	0.3941	0.0071
History of Drug Abuse, Dependence, Intoxication: Alcohol-Stage 2 or 3 *	0.4235	<.0001

*History variables are calculated on previous 5 years of exposure data

History of Chronic Obstructive Pulmonary Disease-Stage 1 or 2 *	0.3669	<.0001
History of Chronic Obstructive Pulmonary Disease-Stage 3 *	0.7646	<.0001
History of Pneumonia: Bacterial-Stage 3 *	0.3809	0.0002
History of Oral Anti-coagulants *	0.1253	0.0059
History of Other Cardiovascular drugs *	0.1019	0.0003
Male Genital System (from any data source)	-0.3918	<.0001
Musculoskeletal Disease (from any data source)	-0.1502	<.0001
Hospitalization	0.1762	0.0003
Number of hospitalizations	0.0176	0.3845
Polypharmacy	0.2522	<.0001
Cancer (from hospital data)	0.3120	0.0130
Genitourinary Disease (from hospital data)	-0.4713	<.0001
Psychological Disease (from hospital data)	0.5748	0.0003

Females 75-84

Variable	Coefficient	p-value
Intercept	-2.1966	0.0983
Number of Chronic Conditions (from any data source)=1	0.3204	<.0001
Number of Chronic Conditions (from any data source)=2	0.5216	<.0001
Number of Chronic Conditions (from any data source)=3	0.6879	<.0001
Number of Chronic Conditions (from any data source)=4	0.8108	<.0001
Number of Chronic Conditions (from any data source)=5	0.8615	<.0001
Number of Chronic Conditions (from any data source)=6 or more	0.9003	<.0001
Number of Chronic Conditions (from hospital data)=1	0.2734	<.0001
Number of Chronic Conditions (from hospital data)=2	0.4760	<.0001
Number of Chronic Conditions (from hospital data)=3	0.4602	<.0001
Number of Chronic Conditions (from hospital data)=4 or more	0.5605	<.0001
Number of Chronic Conditions (from home health prescription)=1	0.4539	<.0001
Number of Chronic Conditions (from home health prescription)=2 or more	0.5024	<.0001
Number of Chronic Conditions (from drug prescriptions)=1	-0.2927	<.0001
Number of Chronic Conditions (from drug prescriptions)=2	-0.4346	<.0001
Number of Chronic Conditions (from drug prescriptions)=3	-0.5230	<.0001
Number of Chronic Conditions (from drug prescriptions)=4	-0.5943	<.0001
Number of Chronic Conditions (from drug prescriptions)=5 or more	-0.6388	<.0001
Age on 12/ 31/ 2012	-0.0494	0.0537
Cancer (from home health prescription)	0.5074	<.0001
Cardiovascular Disease (from home health prescription)	-0.1174	0.0117
Respiratory Diseases (from home health prescription)	0.4899	<.0001
Cancer (chemo or radiation)	0.3093	0.0003
Genitourinary (dialysis)	0.3668	0.0018
Aneurysm, Thoracic-all stages	0.4180	0.0286

*History variables are calculated on previous 5 years of exposure data

Aortic Stenosis-Stage 1	0.2859	0.0055
Arrhythmias-Stage 3	-0.4014	0.0049
Coronary Artery Disease-Stage 2	0.3630	<.0001
Essential Hypertension-Stage 3	-0.1678	0.0129
Mitral Stenosis-Stage 2	-0.3215	0.0749
Thrombophlebitis-Stage 1	0.3956	0.0024
Thrombophlebitis-Stage 2 or 3	-0.3711	0.0013
Hyperthyroidism-Stage 1	-0.3290	0.0847
Crohns Disease-Stage 1	0.7565	0.0329
Functional Digestive Disorders-Stage 1	0.2509	0.0124
Gastritis-Stage 1	0.3782	0.0002
Neoplasm, Malignant: Kidneys-Stage 3	-0.7235	0.1071
Renal Failure-Stage 2 or 3	0.2070	0.0002
Neoplasm, Malignant: Breast, Female-Stage 1	-0.3991	0.0001
Neoplasm, Malignant: Breast, Female-Stage 3	-0.4149	0.0077
Neoplasm, Malignant: Ovaries-Stage 1	0.5296	0.0693
Anemia: Aplastic, Acquired-Stage 2 or 3	0.3538	0.0227
Cirrhosis of the Liver-Stage 2 or 3	0.6150	<.0001
Neoplasm, Malignant: Pancreas-Stage 1	0.8098	0.0011
Neoplasm, Malignant: Pancreas-Stage 2 or 3	0.7321	0.0866
Progressive Systemic Sclerosis-Stage 1	0.5340	0.0203
Cerebrovascular Disease-Stage 1	0.1406	0.0941
Dementia: Primary Degenerative (Alzheimer or Pick)-Stage 1	0.3594	<.0001
Dementia: Primary Degenerative (Alzheimer or Pick)-Stage 2 or 3	0.2377	0.0716
Bipolar Disorder - Manic Episode-Stage 1	-0.9145	0.1201
Chronic Obstructive Pulmonary Disease-Stage 1 or 2	0.2567	0.0037
Neoplasm, Malignant: Lungs, Bronchi, or Mediastinum-Stage 1	0.5431	0.0015
Neoplasm, Malignant: Lungs, Bronchi, or Mediastinum-Stage 2	0.9029	0.0394
Pneumonia: Bacterial-Stage 1	0.3367	0.0003
Pneumonia: Bacterial-Stage 3	-0.3613	0.0110
Pulmonary Embolism-Stage 3	-0.3302	0.0333
Any Cancer - Stage 1 (from hospital data)	0.2294	0.0003
Any Cancer - Stage 2 (from hospital data)	0.1477	0.1008
Any Cancer - Stage 3 (from hospital data)	1.3077	<.0001
Any Cardiovascular Disease - Stage 1 (from hospital data)	-0.1001	0.0026
Any Cardiovascular - Stage 3 (from hospital data)	0.3030	<.0001
Any Eye Disease - All stages (from hospital data)	-0.1491	0.0443
Any Gastrointestinal Disease - Stage 1 (from hospital data)	-0.2093	<.0001
Any Hemotologic Disease - Stage 3 (from hospital data)	0.4744	0.0174
Any Musculoskeletal Disease - Stage 1 (from hospital data)	-0.1645	<.0001
Any Neurologic Disease - Stage 1 (from hospital data)	-0.1809	0.0076
Any Neurologic Disease - Stage 3 (from hospital data)	0.3131	<.0001
Any Psychologic Disease - Stage 1 (from hospital data)	-0.2321	0.0008
Any Respiratory Disease – Stage 1 (from hospital data)	-0.1657	0.0476

*History variables are calculated on previous 5 years of exposure data

Any Respiratory Disease - Stage 3 (from hospital data)	0.5038	<.0001
Cancer (from any data source)	-0.1228	0.0560
Cancer (from drug prescriptions)	0.2540	<.0001
Cardiovascular Disease (from drug prescriptions)	-0.2097	0.0046
Endocrine Disease (from drug prescriptions)	-0.0828	0.0222
Genitourinary Disease (from drug prescriptions)	0.4347	<.0001
Hematologic Disease (from drug prescriptions)	0.1757	0.0011
Hepatobiliary Disease (from drug prescriptions)	0.6510	0.0006
Neurologic Diseases (from drug prescriptions)	0.1086	0.0014
Respiratory Disease (from drug prescriptions)	0.1865	<.0001
Cardiovascular Disease (from any data source)	-0.0770	0.2400
Day hospitalization	-0.1056	0.0250
Oral anti-coagulants	0.1976	<.0001
Alpha-blockers	-0.1014	0.0038
Statins	-0.1832	<.0001
Beta-blockers	-0.0628	0.0031
ACE/ARB	-0.1956	<.0001
Calcium channel blockers	-0.0715	0.0007
Nitrates	0.1676	<.0001
Number of ER visits labeled 'Red'	0.2174	<.0001
Total number of ER visits	0.2167	<.0001
Eye Disease (from any data source)	-0.1462	<.0001
Gynecologic Disease (from any data source)	-0.4041	<.0001
History of Cancer (from drug prescriptions) *	0.1108	0.0048
History of Endocrine Disease (from drug prescriptions) *	0.1042	0.0016
History of Neurological Disease (from drug prescriptions) *	0.0915	0.0011
History of Psychological Disease (from drug prescriptions) *	0.0506	0.0295
History of Respiratory Disease (from drug prescriptions) *	0.0905	0.0002
History of Aortic Stenosis-Stage 3 *	0.1616	0.0515
History of Arrhythmias-Stage 2 *	0.1000	0.0015
History of Cardiomyopathies-Stage 2 *	0.1681	0.0697
History of Cardiomyopathies-Stage 3 *	0.3151	0.0108
History of Congestive Heart Failure-Stage 3 *	0.3407	<.0001
History of Coronary Artery Disease-Stage 1 *	0.1753	<.0001
History of Coronary Artery Disease-Stage 2 *	0.1517	0.0017
History of Coronary Artery Disease-Stage 3 *	0.1935	<.0001
History of Essential Hypertension-Stage 1 *	0.0413	0.0434
History of Diabetes Mellitus Type 1 or Type 2-Stage 1 *	0.1886	<.0001
History of Diabetes Mellitus Type 1 or Type 2-Stage 2 *	0.1483	0.0027
History of Diabetes Mellitus Type 1 or Type 2-Stage 3 *	0.1335	0.0715
History of Hypothyroidism-Stage 2 or 3 *	0.1892	0.0534
History of Diverticular Disease-Stage 2 or 3 *	0.1638	0.0572
History of Neoplasm, Malignant: Stomach-Stage 3 *	0.7712	0.0010
History of Neoplasm, Malignant: Bladder, Urinary-Stage 3 *	1.3084	0.0182

*History variables are calculated on previous 5 years of exposure data

History of Neoplasm, Malignant: Kidneys-Stage 3 *	0.7219	0.0444
History of Renal Failure-Stage 2 or 3 *	0.2398	<.0001
History of Neoplasm, Malignant: Breast, Female-Stage 1 *	-0.2279	0.0002
History of Neoplasm, Malignant: Breast, Female-Stage 3 *	0.3479	0.0056
History of Neoplasm, Malignant: Ovaries-Stage 1 *	0.3945	0.0551
History of Neoplasm, Malignant: Ovaries-Stage 2 or 3 *	0.4745	0.0314
History of Anemia: Aplastic, Acquired-Stage 2 or 3 *	0.2900	0.0103
History of Neoplasm, Malignant Hematologic-Stage 2 *	-0.4900	0.0545
History of Cholecystitis and Cholelithiasis-Stage 1 *	0.1010	0.0831
History of Cholecystitis and Cholelithiasis-Stage 2 *	0.1793	0.0089
History of Cholecystitis and Cholelithiasis-Stage 3 *	0.2803	0.0315
History of Cirrhosis of the Liver-Stage 2 or 3 *	0.2739	<.0001
History of Rheumatic Fever-Stage 3 *	0.4281	0.0005
History of Progressive Systemic Sclerosis-Stage 1 *	0.4962	0.0004
History of Cerebrovascular Disease-Stage 1 *	0.1710	<.0001
History of Cerebrovascular Disease-Stage 2 *	0.1318	0.0003
History of Cerebrovascular Disease-Stage 3 *	0.2019	<.0001
History of Dementia: Primary Degenerative (Alzheimer or Pick)-Stage 1 *	0.3755	<.0001
History of Dementia: Primary Degenerative (Alzheimer or Pick)-Stage 2 or 3 *	0.4162	<.0001
History of Obesity-Stage 2 or 3 *	0.1187	0.1089
History of polypharmacy *	0.1086	<.0001
History of Bipolar Disorder - Manic Episode-Stage 2 *	0.3557	0.0356
History of Chronic Obstructive Pulmonary Disease-Stage 1 or 2 *	0.2343	<.0001
History of Chronic Obstructive Pulmonary Disease-Stage 3 *	0.6055	<.0001
History of Neoplasm, Malignant: Lungs, Bronchi, or Mediastinum-Stage 1 *	0.3311	0.0150
History of Pneumonia: Bacterial-Stage 3 *	0.2981	0.0013
History of Oral Anti-coagulants *	0.1008	0.0057
History of Other Cardiovascular drugs *	0.1223	<.0001
Musculoskeletal Disease (from any data source)	-0.0624	0.0065
Hospitalization	0.1280	0.0248
Number of hospitalizations	-0.0643	0.0011
Polypharmacy	0.1500	<.0001
Psychological Disease (from any data source)	0.1240	<.0001
Any of the other 9 Cardiovascular drugs	0.0679	0.1160
Number of the other 9 Cardiovascular drugs	0.1028	<.0001

Males 75-84

Variable	Coefficient	p-value
Intercept	-1.0190	0.4621
Number of Chronic Conditions (from any data source)=1	0.2984	0.0003

*History variables are calculated on previous 5 years of exposure data

Number of Chronic Conditions (from any data source)=2	0.5009	<.0001
Number of Chronic Conditions (from any data source)=3	0.5987	<.0001
Number of Chronic Conditions (from any data source)=4	0.7284	<.0001
Number of Chronic Conditions (from any data source)=5	0.7507	<.0001
Number of Chronic Conditions (from any data source)=6 or more	0.8596	<.0001
Number of Chronic Conditions (from hospital data)=1	0.1570	0.0049
Number of Chronic Conditions (from hospital data)=2	0.1638	0.0317
Number of Chronic Conditions (from hospital data)=3	0.1457	0.1301
Number of Chronic Conditions (from hospital data)=4 or more	0.2159	0.0857
Number of Chronic Conditions (from home health prescription)=1	0.3898	<.0001
Number of Chronic Conditions (from home health prescription)=2 or more	0.2645	0.0832
Number of Chronic Conditions (from drug prescriptions)=1	-0.2228	0.0042
Number of Chronic Conditions (from drug prescriptions)=2	-0.2887	0.0012
Number of Chronic Conditions (from drug prescriptions)=3	-0.2736	0.0079
Number of Chronic Conditions (from drug prescriptions)=4	-0.3649	0.0023
Number of Chronic Conditions (from drug prescriptions)=5 or more	-0.3187	0.0260
Reside in Mountain area on 12/ 31/ 2012	-0.0273	0.4157
Reside in Hill area on 12/ 31/ 2012	0.0419	0.0161
Age on 12/ 31/ 2012	-0.0638	0.0170
Cancer (from home health prescription)	0.6146	<.0001
Genitourinary Disease (from home health prescription)	-0.2349	0.2216
Blood Diseases (from home health prescription)	0.5082	0.1476
Infectious Disease (from home health prescription)	0.3613	0.1489
Neurologic Diseases (from home health prescription)	0.2858	0.0007
Mental Disorders (from home health prescription)	0.1399	0.1595
Respiratory Diseases (from home health prescription)	0.1985	0.1585
Cancer (chemo or radiation)	0.2160	0.0058
Genitourinary (dialysis)	0.1829	0.1227
Aneurysm, Thoracic-all stages	-0.1892	0.2250
Aortic Stenosis-Stage 1	0.1531	0.1625
Aortic Stenosis-Stage 3	0.1564	0.2244
Arrhythmias-Stage 2	-0.1538	0.0208
Cardiomyopathies-Stage 2	-0.1466	0.2544
Cardiomyopathies-Stage 3	0.3133	0.0224
Conduction Disorders-all stages	-0.1835	0.0881
Congestive Heart Failure-Stage3	0.2137	0.0021
Coronary Artery Disease-Stage 2	0.0566	0.4552
Coronary Artery Disease-Stage 3	0.1414	0.0418
Essential Hypertension-Stage 1	-0.1169	0.0073
Essential Hypertension-Stage 2	-0.2785	0.0001
Essential Hypertension-Stage 3	0.1298	0.0362
Infective Endocarditis-Stage 3	0.9736	0.0197

*History variables are calculated on previous 5 years of exposure data

Mitral Stenosis-Stage 2	-0.3114	0.1333
Pericarditis: Viral or Traumatic-Stage 2 or 3	-0.8469	0.0349
Thrombophlebitis-Stage 1	0.2275	0.1472
Thrombophlebitis-Stage 2 or 3	-0.1048	0.4208
Tibial/Iliac/Femoral/Popliteal Artery Disease-Stage 1	0.1183	0.1409
Tibial/Iliac/Femoral/Popliteal Artery Disease-Stage 2 or 3	0.1645	0.2385
Diabetes Mellitus Type 1 or Type 2-Stage 2	-0.1939	0.0562
Diabetes Mellitus Type 1 or Type 2-Stage 3	-0.4025	0.0333
Hyperthyroidism-Stage 2 or 3	-0.2385	0.4296
Hypothyroidism-Stage 1	-0.1541	0.2322
Crohns Disease-Stage 1	0.8307	0.0454
Functional Digestive Disorders-Stage 1	0.1566	0.1709
Hernia, Hiatal or Reflux Esophagitis-Stage 2 or 3	0.7272	0.0040
Neoplasm, Malignant: Colon and Rectum-Stage 2	-0.4353	0.0125
Neoplasm, Malignant: Colon and Rectum-Stage 3	-0.2956	0.1051
Neoplasm, Malignant: Stomach-Stage 1	0.5695	0.0019
Neoplasm, Malignant: Stomach-Stage 3	0.3811	0.1781
Calculus of the Urinary Tract-Stage 1	-0.1383	0.3085
Neoplasm, Malignant: Bladder, Urinary-Stage 3	0.2547	0.4352
Neoplasm, Malignant: Kidneys-Stage 1	0.1778	0.2881
Renal Failure-Stage 2 or 3	0.3215	<.0001
Anemia: Aplastic, Acquired-Stage 2 or 3	0.2550	0.2048
Neoplasm, Malignant Hematologic-Stage 1	0.1501	0.1974
Neoplasm, Malignant Hematologic-Stage 3	-0.8912	0.0050
Cholecystitis and Cholelithiasis-Stage 2	0.4441	0.0408
Cirrhosis of the Liver-Stage 2 or 3	0.5304	<.0001
Neoplasm, Malignant: Pancreas-Stage 1	1.1048	<.0001
Neoplasm, Malignant: Pancreas-Stage 2 or 3	1.2846	0.0009
Rheumatic Fever- Stage 2	0.2675	0.0866
Rheumatic Fever- Stage 3	0.2708	0.3136
Neoplasm, Malignant: Prostate-Stage 2	-0.3625	0.0290
Neoplasm, Malignant: Prostate-Stage 3	-0.2814	0.1619
Progressive Systemic Sclerosis-Stage 1	1.1059	0.1109
Cerebrovascular Disease-Stage 1	0.1684	0.0636
Cerebrovascular Disease-Stage 2	-0.2728	0.0094
Cerebrovascular Disease-Stage 3	-0.2874	0.0742
Dementia: Primary Degenerative (Alzheimer or Pick)-Stage 1	0.4422	0.0018
Dementia: Primary Degenerative (Alzheimer or Pick)-Stage 2 or 3	0.7034	0.0002
Epilepsy-all stages	-0.3392	0.0337
Bipolar Disorder - Manic Episode-Stage 1	0.6002	0.4877
Depression-Stage 1 or 2	-0.1468	0.3176
Drug Abuse, Dependence, Intoxication: Alcohol-Stage 1	1.2556	0.0028
Drug Abuse, Dependence, Intoxication: Alcohol-Stage 2 or 3	0.1890	0.3351

*History variables are calculated on previous 5 years of exposure data

Chronic Obstructive Pulmonary Disease-Stage 1 or 2	0.0777	0.0884
Chronic Obstructive Pulmonary Disease-Stage 3	0.1545	0.2047
Neoplasm, Malignant: Lungs, Bronchi, or Mediastinum-Stage 1	0.7063	<.0001
Neoplasm, Malignant: Lungs, Bronchi, or Mediastinum-Stage 2	0.3644	0.2398
Neoplasm, Malignant: Lungs, Bronchi, or Mediastinum-Stage 3	0.3851	0.0755
Pulmonary Embolism-Stage 3	-0.2243	0.2238
Any Cancer - Stage 2 (from hospital data)	0.4412	0.0019
Any Cancer - Stage 3 (from hospital data)	1.2233	<.0001
Any Cardiovascular Disease - Stage 1 (from hospital data)	-0.0637	0.2223
Any Cardiovascular Disease - Stage 2 (from hospital data)	0.1167	0.1053
Any Endocrine Disease - Stage 1 (from hospital data)	-0.1650	0.0986
Any Endocrine Disease - Stage 3 (from hospital data)	0.3361	0.0522
Any Ear,Nose,Throat Disease - Stage 1 (from hospital data)	-0.3128	0.1174
Any Ear,Nose,Throat Disease - Stage 2 (from hospital data)	-1.4375	0.0217
Any Eye Disease - All stages (from hospital data)	-0.2230	0.0012
Any Gastrointestinal Disease - Stage 1 (from hospital data)	-0.1736	0.0372
Any Genitourinary Disease - Stage 1 (from hospital data)	0.2720	0.1932
Any Genitourinary Disease - Stage 2 (from hospital data)	0.3593	0.0553
Any Genitourinary Disease - Stage 3 (from hospital data)	0.4935	0.0195
Any Hemotologic Disease - Stage 3 (from hospital data)	0.3202	0.1946
Any Hepatobiliary Disease - Stage 2 (from hospital data)	-0.4870	0.0127
Any Immunologic Disease - All stages (from hospital data)	0.3766	0.3824
Any Infectious Disease - Stage 3 (from hospital data)	0.2171	0.2273
Any Male Genital System - All stages (from hospital data)	-0.1061	0.0692
Any Musculoskeletal Disease - Stage 1 (from hospital data)	-0.1530	0.0217
Any Neurologic Disease - Stage 1 (from hospital data)	-0.1396	0.1837
Any Neurologic Disease - Stage 2 (from hospital data)	0.2235	0.0339
Any Neurologic Disease - Stage 3 (from hospital data)	0.3632	0.0284
Any Psychologic Disease - Stage 1 (from hospital data)	-0.2738	0.0487
Any Psychologic Disease - Stage 3 (from hospital data)	-0.3812	0.0297
Any Respiratory Disease - Stage 2 (from hospital data)	0.2521	0.0012
Any Respiratory Disease - Stage 3 (from hospital data)	0.4709	<.0001
Any Skin Disease - Stage 1 (from hospital data)	-0.2014	0.1407
Any Skin Disease - Stage 2 (from hospital data)	-0.4164	0.0263
Neoplasm, Malignant: Melanoma-Stage 2	-0.5839	0.1101
Neoplasm, Malignant: Melanoma-Stage 3	0.6833	0.1751
Cancer (from drug prescriptions)	0.1681	<.0001
Cardiovascular Disease (from drug prescriptions)	-0.2349	<.0001
Endocrine Disease (from drug prescriptions)	-0.0963	0.2515
Eye Disease (from drug prescriptions)	-0.1283	<.0001
Genitourinary Disease (from drug prescriptions)	0.4556	<.0001
Hematologic Disease (from drug prescriptions)	0.1419	0.0185
Hepatobiliary Disease (from drug prescriptions)	0.5789	0.0029

*History variables are calculated on previous 5 years of exposure data

Musculoskeletal Disease (from drug prescriptions)	0.0610	0.4251
Neurologic Diseases (from drug prescriptions)	0.0903	0.0217
Psychological Disease (from drug prescriptions)	-0.0954	0.2745
Respiratory Disease (from drug prescriptions)	0.1867	<.0001
Skin Disease (from drug prescriptions)	-0.3674	0.0144
Number of day hospitalizations	-0.0412	0.1517
Oral anti-coagulants	0.1213	0.0014
Alpha-blockers	-0.0742	0.0360
Statins	-0.1293	<.0001
ACE/ARB	-0.1708	<.0001
Anti-platelets	0.0372	0.1632
Calcium channel blockers	-0.0590	0.0133
Digitalis glycosides	0.1134	0.0086
Nitrates	0.2066	<.0001
Diuretics	0.0565	0.0325
Endocrine Disease (from any data source)	0.0742	0.3637
Number of ER visits labeled 'Yellow'	-0.1352	0.0027
Total number of ER visits	0.3208	<.0001
Genitourinary Disease (from any data source)	0.1205	0.3247
History of Endocrine Disease (from drug prescriptions) *	0.0680	0.0589
History of Neurological Disease (from drug prescriptions) *	0.0426	0.2080
History of Psychological Disease (from drug prescriptions) *	0.0262	0.3867
History of Respiratory Disease (from drug perscriptions) *	0.0918	0.0003
History of Aortic Stenosis-Stage 1 *	-0.1295	0.0581
History of Aortic Stenosis-Stage 3 *	0.0889	0.2974
History of Arrhythmias-Stage 2 *	0.0850	0.0061
History of Arrhythmias-Stage 3 *	0.1402	0.0717
History of Cardiomyopathies-Stage 2 *	0.1934	0.0028
History of Cardiomyopathies-Stage 3 *	0.2510	0.0033
History of Congestive Heart Failure-Stage 3 *	0.2257	<.0001
History of Coronary Artery Disease-Stage 1 *	0.1133	<.0001
History of Coronary Artery Disease-Stage 2 *	0.1341	0.0004
History of Coronary Artery Disease-Stage 3 *	0.0377	0.3346
History of Essential Hypertension-Stage 2 *	-0.0501	0.1298
History of Essential Hypertension-Stage 3 *	0.1584	<.0001
History of Infective Endocarditis-Stage 3 *	-0.3815	0.1951
History of Mitral Stenosis-Stage 3 *	0.1789	0.1632
History of Pericarditis: Chronic-Stage 2 or 3 *	-0.1570	0.3956
History of Pericarditis: Viral or Traumatic-Stage 2 or 3 *	0.2146	0.2431
History of Thrombophlebitis-Stage 2 or 3 *	-0.1115	0.1430
History of Tibial/Iliac/Femoral/Popliteal Artery Disease-Stage 2 or 3 *	0.0900	0.3217
hx_Drug-Drug interactions	0.0611	0.0593

*History variables are calculated on previous 5 years of exposure data

History of Diabetes Mellitus Type 1 or Type 2-Stage 1 *	0.0914	0.0047
History of Diabetes Mellitus Type 1 or Type 2-Stage 2 *	0.3099	<.0001
History of Diabetes Mellitus Type 1 or Type 2-Stage 3 *	0.1290	0.0545
History of Hypothyroidism-Stage 2 or 3 *	0.2294	0.1961
History of Crohns Disease-Stage 2 or 3 *	0.8327	0.0190
History of Diverticular Disease-Stage 1 *	0.1541	0.0060
History of Diverticular Disease-Stage 2 or 3 *	0.1222	0.1954
History of Neoplasm, Malignant: Colon and Rectum-Stage 3 *	0.4265	<.0001
History of Neoplasm, Malignant: Stomach-Stage 3 *	0.6959	0.0011
History of Neoplasm, Malignant: Bladder, Urinary-Stage 1*	-0.0471	0.3540
History of Neoplasm, Malignant: Bladder, Urinary-Stage 3 *	0.3138	0.3404
History of Neoplasm, Malignant: Kidneys-Stage 3 *	0.3046	0.3079
History of Renal Failure-Stage 2 or 3 *	0.1469	<.0001
History of Anemia: Aplastic, Acquired-Stage 2 or 3 *	0.2973	0.0315
History of Neoplasm, Malignant Hematologic-Stage 1 *	0.2804	0.0030
History of Neoplasm, Malignant Hematologic-Stage 2 *	-0.1374	0.3846
History of Cholecystitis and Cholelithiasis-Stage 1 *	0.1693	0.0044
History of Cholecystitis and Cholelithiasis-Stage 2 *	0.1182	0.0785
History of Cholecystitis and Cholelithiasis-Stage 3 *	0.1319	0.2852
History of Cirrhosis of the Liver-Stage 2 or 3 *	0.2384	0.0009
History of Neoplasm, Malignant: Pancreas-Stage 1 *	-0.5740	0.0601
History of Neoplasm, Malignant: Pancreas-Stage 2 or 3 *	0.5440	0.3348
History of Rheumatic Fever-Stage 2 *	0.0840	0.3429
History of Neoplasm, Malignant: Prostate-Stage 3 *	0.1568	0.3460
History of Progressive Systemic Sclerosis-Stage 1 *	0.4957	0.3135
History of Cerebrovascular Disease-Stage 1 *	0.1907	<.0001
History of Cerebrovascular Disease-Stage 2 *	0.1589	<.0001
History of Cerebrovascular Disease-Stage 3 *	0.1081	0.0017
History of Dementia: Primary Degenerative (Alzheimer or Pick)-Stage 1 *	0.3414	<.0001
History of Dementia: Primary Degenerative (Alzheimer or Pick)-Stage 2 or 3 *	0.6441	<.0001
History of Potentially inappropriate prescribing - always to be avoided drugs *	-0.0564	0.0053
History of polypharmacy *	0.1075	<.0001
History of Depression-Stage 1 or 2 *	0.0912	0.1498
History of Drug Abuse, Dependence, Intoxication: Alcohol-Stage 2 or 3 *	0.4811	<.0001
History of Chronic Obstructive Pulmonary Disease-Stage 1 or 2 *	0.2667	<.0001
History of Chronic Obstructive Pulmonary Disease-Stage 3 *	0.5780	<.0001
History of Neoplasm, Malignant: Lungs, Bronchi, or Mediastinum-Stage 1 *	0.3130	0.0002
History of Neoplasm, Malignant: Lungs, Bronchi, or Mediastinum-Stage 3 *	0.3404	0.1018

*History variables are calculated on previous 5 years of exposure data

History of Pneumonia: Bacterial-Stage 2 *	0.2648	0.1229
History of Pneumonia: Bacterial-Stage 3 *	0.2801	0.0001
History of Pulmonary Embolism-Stage 3 *	-0.1687	0.1666
History of Neoplasm, Malignant: Melanoma-Stage 3 *	-0.6881	0.1493
History of Oral Anti-coagulants *	0.0418	0.2647
History of Other Cardiovascular drugs *	0.1298	<.0001
Male Genital System (from any data source)	-0.2023	<.0001
Musculoskeletal Disease (from any data source)	-0.1057	0.1679
Hospitalization	0.2060	<.0001
Number of hospitalizations	-0.0217	0.2903
Polypharmacy	0.0913	0.0005
Psychological Disease (from any data source)	0.2569	0.0032
Cardiovascular Disease (from hospital data)	0.0736	0.2121
Endocrine Disease (from hospital data)	0.1978	0.0758
Gastrointestinal Disease (from hospital data)	-0.0878	0.2559
Genitourinary Disease (from hospital data)	-0.4235	0.0770
Hepatobiliary (from hospital data)	-0.1192	0.0959
Neurologic Disease (from hospital data)	0.0927	0.3439
Skin Disease (from any data source)	0.2454	0.0506
Any of the other 9 Cardiovascular drugs	0.0558	0.2144
Number of the other 9 Cardiovascular drugs	0.0680	<.0001

Females 85 and over

Variable	Coefficient	p-value
Intercept	-4.4541	<.0001
Number of Chronic Conditions (from any data source)=1	0.1340	0.0095
Number of Chronic Conditions (from any data source)=2	0.2527	<.0001
Number of Chronic Conditions (from any data source)=3	0.3482	<.0001
Number of Chronic Conditions (from any data source)=4	0.3660	<.0001
Number of Chronic Conditions (from any data source)=5	0.3330	0.0004
Number of Chronic Conditions (from any data source)=6 or more	0.3306	0.0032
Number of Chronic Conditions (from hospital data)=1	-0.0564	0.3573
Number of Chronic Conditions (from hospital data)=2	-0.0127	0.8565
Number of Chronic Conditions (from hospital data)=3	0.1268	0.0996
Number of Chronic Conditions (from hospital data)=4 or more	0.1910	0.0340
Number of Chronic Conditions (from home health prescription)=1	0.3946	<.0001
Number of Chronic Conditions (from home health prescription)=2 or more	0.6315	<.0001
Number of Chronic Conditions (from drug prescriptions)=1	-0.0973	0.0439
Number of Chronic Conditions (from drug prescriptions)=2	-0.1674	0.0036
Number of Chronic Conditions (from drug prescriptions)=3	-0.1843	0.0057

*History variables are calculated on previous 5 years of exposure data

Number of Chronic Conditions (from drug prescriptions)=4	-0.0790	0.3133
Number of Chronic Conditions (from drug prescriptions)=5 or more	-0.0275	0.7718
Age on 12 /31/ 2012	-0.0002	<.0001
Cardiovascular Disease (from home health prescription)	-0.0967	0.0033
Blood Diseases (from home health prescription)	-0.3867	0.0183
Respiratory Diseases (from home health prescription)	-0.3093	0.0020
Skin Disease (from home health prescription)	0.2047	0.0023
Genitourinary (dialysis)	0.8709	0.0002
Aortic Stenosis-Stage 3	0.2778	0.0107
Conduction Disorders-all stages	-0.2408	0.0266
Congestive Heart Failure-Stage3	0.1248	0.0454
Coronary Artery Disease-Stage 1	-0.1922	0.0014
Coronary Artery Disease-Stage 2	0.2265	0.0047
Essential Hypertension-Stage 1	-0.3230	<.0001
Essential Hypertension-Stage 2	-0.1393	0.0052
Mitral Stenosis-Stage 2	-0.4336	0.0440
Diabetes Mellitus Type 1 or Type 2-Stage 2	-0.3893	0.0295
Functional Digestive Disorders-Stage 1	0.2998	0.0008
Hernia, Hiatal or Reflux Esophagitis-Stage 1	-0.2273	0.0578
Neoplasm, Malignant: Colon and Rectum-Stage 2	-0.9583	0.0003
Renal Failure-Stage 2 or 3	0.1598	0.0010
Neoplasm, Malignant: Breast, Female-Stage 1	-0.4438	0.0011
Anemia: Aplastic, Acquired-Stage 2 or 3	0.9430	<.0001
Rheumatic Fever- Stage 2	0.2483	0.0251
Rheumatic Fever- Stage 3	0.7922	<.0001
Cerebrovascular Disease-Stage 3	0.7130	0.0005
Dementia: Primary Degenerative (Alzheimer or Pick)-Stage 2 or 3	0.2095	0.0381
Bipolar Disorder - Manic Episode-Stage 2	1.3679	0.0661
Any Cancer - Stage 2 (from hospital data)	1.1401	<.0001
Any Cancer - Stage 3 (from hospital data)	0.9674	<.0001
Any Cardiovascular Disease - Stage 1 (from hospital data)	0.2126	0.0002
Any Cardiovascular - Stage 3 (from hospital data)	0.1855	<.0001
Any Endocrine - Stage 2 (from hospital data)	0.4821	0.0015
Any Gastrointestinal Disease - Stage 1 (from hospital data)	-0.2081	0.0003
Any Hemotologic Disease - Stage 3 (from hospital data)	0.3382	0.0529
Any Musculoskeletal Disease - Stage 1 (from hospital data)	-0.0783	0.0438
Any Neurologic Disease - Stage 3 (from hospital data)	-0.4771	0.0171
Any Respiratory Disease - Stage 3 (from hospital data)	0.2027	0.0040
Neoplasm, Malignant: Melanoma-Stage 2	-1.4509	0.0019
Cardiovascular Disease (from drug prescriptions)	-0.2006	<.0001
Endocrine Disease (from drug prescriptions)	-0.1009	0.0041
Genitourinary Disease (from drug prescriptions)	0.2622	0.0004
Hematologic Disease (from drug prescriptions)	0.1242	0.0087
Hepatobiliary Disease (from drug prescriptions)	0.8195	0.0083

*History variables are calculated on previous 5 years of exposure data

Oral anti-coagulants	-0.0905	0.0222
Statins	-0.2123	<.0001
ACE/ARB	-0.1098	<.0001
Calcium channel blockers	-0.0802	0.0002
Anti-arrhythmics	0.0988	0.0106
Digitalis glycosides	0.1114	0.0002
Nitrates	0.1279	<.0001
Diuretics	0.0611	0.0088
Number of ER visits labeled 'Yellow'	-0.2129	0.0004
Total number of ER visits	0.4649	<.0001
Eye Disease (from any data source)	-0.1404	<.0001
History of Cancer (from drug prescriptions) *	0.1381	0.0002
History of Endocrine Disease (from drug prescriptions) *	0.1108	0.0005
History of Psychological Disease (from drug prescriptions) *	0.0824	<.0001
History of Respiratory Disease (from drug prescriptions) *	0.0686	0.0043
History of Aortic Stenosis-Stage 1 *	0.1279	0.0492
History of Aortic Stenosis-Stage 3 *	0.3272	<.0001
History of Arrhythmias-Stage 2 *	0.1359	<.0001
History of Cardiomyopathies-Stage 3 *	0.4752	0.0004
History of Congestive Heart Failure-Stage 3 *	0.1905	<.0001
History of Coronary Artery Disease-Stage 1 *	0.0616	0.0342
History of Coronary Artery Disease-Stage 2 *	0.1270	0.0059
History of Essential Hypertension-Stage 3 *	0.1426	<.0001
History of Mitral Stenosis-Stage 2 *	0.2121	0.0393
History of Mitral Stenosis-Stage 3 *	0.2109	0.0254
History of Tibial/Iliac/Femoral/Popliteal Artery Disease-Stage 2 or 3 *	0.1684	0.0609
History of Diabetes Mellitus Type 1 or Type 2-Stage 1 *	0.0983	0.0030
History of Neoplasm, Malignant: Kidneys-Stage 1 *	0.3075	0.0501
History of Renal Failure-Stage 2 or 3 *	0.1614	<.0001
History of Neoplasm, Malignant: Breast, Female-Stage 3 *	0.5190	0.0032
History of Anemia: Aplastic, Acquired-Stage 2 or 3 *	0.3169	0.0038
History of Neoplasm, Malignant Hematologic-Stage 1 *	0.2489	0.0263
History of Cholecystitis and Cholelithiasis-Stage 1 *	0.1278	0.0084
History of Cirrhosis of the Liver-Stage 2 or 3 *	0.1977	0.0150
History of Rheumatic Fever-Stage 2 *	0.1641	0.0171
History of Rheumatic Fever-Stage 3 *	0.4295	<.0001
History of Cerebrovascular Disease-Stage 1 *	0.1780	<.0001
History of Cerebrovascular Disease-Stage 2 *	0.1248	0.0001
History of Cerebrovascular Disease-Stage 3 *	0.2010	<.0001
History of Dementia: Primary Degenerative (Alzheimer or Pick)-Stage 1 *	0.2327	<.0001
History of Dementia: Primary Degenerative (Alzheimer or Pick)-Stage 2 or 3 *	0.3112	<.0001
History of polypharmacy *	0.0412	0.0637

*History variables are calculated on previous 5 years of exposure data

History of Chronic Obstructive Pulmonary Disease-Stage 1 or 2 *	0.1641	<.0001
History of Chronic Obstructive Pulmonary Disease-Stage 3 *	0.2718	0.0010
History of Pneumonia: Bacterial-Stage 3 *	0.2305	0.0024
History of Oral Anti-coagulants *	0.1412	0.0001
History of Other Cardiovascular drugs *	0.0945	0.0002
Musculoskeletal Disease (from any data source)	-0.1212	<.0001
Hospitalization	0.4053	<.0001
Number of hospitalizations	-0.0572	0.0152
Polypharmacy	0.0686	0.0047
Psychological Disease (from any data source)	0.0241	0.3329
Respiratory Disease (from any data source)	0.1452	<.0001
Cancer (from hospital data)	0.1946	0.0015
Number of the other 9 Cardiovascular drugs	0.0343	0.0067

Males 85 and over

Variable	Coefficient	p-value
Intercept	-6.5943	<.0001
Number of Chronic Conditions (from any data source)=1	0.0148	0.7836
Number of Chronic Conditions (from any data source)=2	0.0567	0.3273
Number of Chronic Conditions (from any data source)=3	0.1133	0.0832
Number of Chronic Conditions (from any data source)=4	0.1108	0.1382
Number of Chronic Conditions (from any data source)=5	0.1027	0.2348
Number of Chronic Conditions (from any data source)=6 or more	-0.00058	0.9956
Number of Chronic Conditions (from hospital data)=1	0.2260	<.0001
Number of Chronic Conditions (from hospital data)=2	0.3490	<.0001
Number of Chronic Conditions (from hospital data)=3	0.3454	<.0001
Number of Chronic Conditions (from hospital data)=4 or more	0.2443	0.0024
Number of Chronic Conditions (from home health prescription)=1	0.5620	<.0001
Number of Chronic Conditions (from home health prescription)=2 or more	0.9112	<.0001
Age on 12/ 31/ 2012	0.0552	<.0001
Cardiovascular Disease (from home health prescription)	-0.1808	0.0009
Neurologic Diseases (from home health prescription)	-0.2313	0.0125
Cancer (chemo or radiation)	0.4807	0.0028
Aortic Stenosis-Stage 3	0.3770	0.0178
Coronary Artery Disease-Stage 2	0.1810	0.0345
Essential Hypertension-Stage 1	-0.1334	0.0049
Mitral Stenosis-Stage 3	0.7232	0.0092
Crohns Disease-Stage 2 or 3	2.0123	0.0823
Renal Failure-Stage 2 or 3	0.2166	<.0001
Neoplasm, Malignant Hematologic-Stage 2	0.9737	0.0279
Cerebrovascular Disease-Stage 2	-0.3039	0.0005

*History variables are calculated on previous 5 years of exposure data

Dementia: Primary Degenerative (Alzheimer or Pick)-Stage 1	0.4636	0.0033
Neoplasm, Malignant: Lungs, Bronchi, or Mediastinum-Stage 1	1.0085	<.0001
Any Cancer - Stage 3 (from hospital data)	1.2151	<.0001
Any Cardiovascular - Stage 3 (from hospital data)	0.1683	0.0006
Any Eye Disease – All stages (from hospital data)	-0.3186	0.0024
Any Psychologic Disease - Stage 1 (from hospital data)	-0.3000	0.0483
Any Psychologic Disease - Stage 2 (from hospital data)	0.3406	0.0468
Cancer (from any data source)	0.0881	0.0255
Cardiovascular Disease (from drug prescriptions)	-0.0958	0.0203
Eye Disease (from drug prescriptions)	-0.1138	0.0019
Genitourinary Disease (from drug prescriptions)	0.3297	0.0004
Hepatobiliary Disease (from drug prescriptions)	1.1786	0.0031
Respiratory Disease (from drug prescriptions)	0.2047	<.0001
Day hospitalization	-0.2140	0.0003
Statins	-0.1823	<.0001
ACE/ARB	-0.1220	<.0001
Digitalis glycosides	0.1380	0.0011
Nitrates	0.1895	<.0001
Diuretics	0.1133	<.0001
Number of ER visits labeled ‘Yellow’	-0.3232	<.0001
Total number of ER visits	0.5087	<.0001
Genitourinary Disease (from any data source)	0.1686	0.0037
Hematologic Disease (from any data source)	0.1699	0.0006
History of Endocrine Disease (from drug prescriptions) *	0.0877	0.0078
History of Psychological Disease (from drug prescriptions) *	0.1168	0.0009
History of Aortic Stenosis-Stage 3 *	0.3893	0.0002
History of Arrhythmias-Stage 2 *	0.1078	0.0013
History of Congestive Heart Failure-Stage 3 *	0.2010	0.0002
History of Coronary Artery Disease-Stage 1 *	0.1312	0.0002
History of Coronary Artery Disease-Stage 2 *	0.1103	0.0392
History of Coronary Artery Disease-Stage 3 *	0.1075	0.0476
History of Essential Hypertension-Stage 3 *	0.1204	0.0079
History of Pericarditis: Viral or Traumatic-Stage 2 or 3 *	-0.7456	0.0101
History of Diabetes Mellitus Type 1 or Type 2-Stage 1 *	0.1159	0.0141
History of Neoplasm, Malignant: Bladder, Urinary-Stage 1*	0.1311	0.0546
History of Renal Failure-Stage 2 or 3 *	0.1660	<.0001
History of Neoplasm, Malignant Hematologic-Stage 1 *	0.3476	0.0069
History of Neoplasm, Malignant Hematologic-Stage 2 *	-1.1984	0.0057
History of Cirrhosis of the Liver-Stage 2 or 3 *	0.2949	0.0083
History of Progressive Systemic Sclerosis-Stage 1 *	2.4748	0.0284
History of Cerebrovascular Disease-Stage 1 *	0.2552	<.0001
History of Cerebrovascular Disease-Stage 3 *	0.1474	0.0006
History of Dementia: Primary Degenerative (Alzheimer or Pick)- Stage 1 *	0.2598	<.0001

*History variables are calculated on previous 5 years of exposure data

History of Dementia: Primary Degenerative (Alzheimer or Pick)- Stage 2 or 3 *	0.2971	0.0457
History of Potentially inappropriate prescribing - always to be avoided drugs *	-0.0705	0.0104
History of polypharmacy *	0.1276	0.0001
History of Chronic Obstructive Pulmonary Disease-Stage 1 or 2 *	0.2083	<.0001
History of Chronic Obstructive Pulmonary Disease-Stage 3 *	0.2686	0.0030
History of Neoplasm, Malignant: Lungs, Bronchi, or Mediastinum- Stage 1 *	0.4042	0.0142
History of Pneumonia: Bacterial-Stage 2 *	0.4137	0.0392
History of Other Cardiovascular drugs *	0.1277	0.0005
Immunologic Disease (from any data source)	0.9577	0.0461
Male Genital System (from any data source)	-0.1301	<.0001
Neurologic Disease (from any data source)	0.1639	<.0001
Polypharmacy	0.0778	0.0206
Psychological Disease (from any data source)	0.1247	0.0017
Endocrine Disease (from hospital data)	0.1413	0.0154
Respiratory Disease (from hospital data)	0.3324	<.0001

*History variables are calculated on previous 5 years of exposure data