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|  | **Patient-Level Analytic File** | | | |  |
|  | **DATA DICTIONARY** | | | |  |
|  | **Prepared for UOP** | | | |  |
|  | **September 25, 2015** | | | |  |

| **Variable** | **Variable Name in SAS dataset** | **Values/Description** |
| --- | --- | --- |
| **PATIENT AND COHORT INDICATORS** |  |  |
| Study ID | patient\_key |  |
| **DEMOGRAPHICS** |  |  |
| Age Group | age\_grpN | 1 0 - 18 years 2 19 - 44 years 3 45 - 64 years 4 65+ years |
| Age group new | age\_cat | 1 Age group 19-34 2 Age group 35-44 3 Age group 45-54 4 Age group 55-64 5 Age group 65-74 6 Age group 75+ |
| Gender at index: | sexN | 1 Male 2 Female |
| US Census Region at index: | regionN | 1 Northeast 2 Midwest 3 South 4 West |
| Health Plan Type at index: | idx\_prodtypeN | 1 HMO 2 PPO 3 All others |
| Primary Payer Type at index: | idx\_paytypN | 1 Commercial2 Medicaid3 Medicare 4 Self-Insured |
| **COMORBID CONDITIONS** |  |  |
| Alcohol/Drug abuse | ALCOHOL\_DRUG | = 1 if patient has comorbidity, = 0 otherwise |
| Asthma | ASTHMA | = 1 if patient has comorbidity, = 0 otherwise |
| Cardiac Arrhythmia | CARDIAC\_ARRYTHMIA | = 1 if patient has comorbidity, = 0 otherwise |
| Cardiac Valvular Disease | CARDIAC\_VALVULAR | = 1 if patient has comorbidity, = 0 otherwise |
| Cerebrovascular disease | CEREBROVASCULAR | = 1 if patient has comorbidity, = 0 otherwise |
| Chronic kidney disease (all but renal failure) | CHRONIC\_KIDNEY | = 1 if patient has comorbidity, = 0 otherwise |
| Chronic Pain/Fibromyalgia | CHRONIC\_PAIN\_FIBRO | = 1 if patient has comorbidity, = 0 otherwise |
| Congestive heart failure | CHF | = 1 if patient has comorbidity, = 0 otherwise |
| COPD | COPD | = 1 if patient has comorbidity, = 0 otherwise |
| Dementia/Alzheimer’s | DEMENTIA | = 1 if patient has comorbidity, = 0 otherwise |
| Depression | DEPRESSION | = 1 if patient has comorbidity, = 0 otherwise |
| Diabetes mellitus | DIABETES | = 1 if patient has comorbidity, = 0 otherwise |
| Dyslipidemia | DYSLIPIDEMIA | = 1 if patient has comorbidity, = 0 otherwise |
| Epilepsy/seizure disorder | EPILEPSY\_SEIZURE | = 1 if patient has comorbidity, = 0 otherwise |
| Hepatitis | HEPATITIS | = 1 if patient has comorbidity, = 0 otherwise |
| HIV/AIDS | HIV\_AIDS | = 1 if patient has comorbidity, = 0 otherwise |
| Hypertension | HYPERTENSION | = 1 if patient has comorbidity, = 0 otherwise |
| Liver/Gallbladder/Pancreatic disease | LIVER\_GALLBLADDER\_PANCREAS | = 1 if patient has comorbidity, = 0 otherwise |
| Myocardial Infarction/CAD | MI\_CAD | = 1 if patient has comorbidity, = 0 otherwise |
| Osteoarthritis | OSTEOARTHRITIS | = 1 if patient has comorbidity, = 0 otherwise |
| Paralysis/hemiplegia/paraplegia | PARALYSIS | = 1 if patient has comorbidity, = 0 otherwise |
| Peptic ulcer disease | PEPTIC\_ULCER | = 1 if patient has comorbidity, = 0 otherwise |
| Peripheral vascular disease | PERIPHERAL\_VASCULAR | = 1 if patient has comorbidity, = 0 otherwise |
| Renal failure/dialysis | RENAL\_FAILURE | = 1 if patient has comorbidity, = 0 otherwise |
| Rheumatologic disease (SLE, RA, AS, PSA) | RHEUMATOLOGIC | = 1 if patient has comorbidity, = 0 otherwise |
| Schizophrenia | SCHIZOPHRENIA | = 1 if patient has comorbidity, = 0 otherwise |
| Sleep disorders | SLEEP DISORDERS | = 1 if patient has comorbidity, = 0 otherwise |
| Smoking or history of smoking | SMOKING | = 1 if patient has comorbidity, = 0 otherwise |
| Thyroid disease | THYROID | = 1 if patient has comorbidity, = 0 otherwise |
| Solid Tumor | Solid\_Tumor | = 1 if patient has comorbidity, = 0 otherwise |
| Metastatic disease | Metastatic | = 1 if patient has comorbidity, = 0 otherwise |
| Leukemia/Lymphoma | Leukemia\_Lymphoma | = 1 if patient has comorbidity, = 0 otherwise |
| Other Cancer (excludes in-situ) | Other\_Cancer | = 1 if patient has comorbidity, = 0 otherwise |
| Cancer In-Situ | Cancer\_In\_Situ | = 1 if patient has comorbidity, = 0 otherwise |
| Charlson Comorbidity Index (CCI) Score, pre-index | pre\_CCI | CCI score pre-index |
| **PRE-INDEX UTILIZATION AND COSTS** |  |  |
| Patients with ≥ 1 hospital admission, pre-index | pre\_ip\_flag | = 1 if patient hospitalized pre-index, = 0 otherwise |
| Inpatient hospital stays, pre-index | num\_ip | number of stays |
| Total Inpatient days, pre-index | total\_los | number of days |
| Total Outpatient visits, pre-index | num\_op | number of visits |
| Patients with ≥ 1 ER visit, pre-index | pre\_er\_flag | = 1 if ≥ 1 ER visit, = 0 otherwise |
| Total Emergency Department visits, pre-index | num\_er | number of visits |
| Total Number of Prescriptions, pre-index | num\_ndc | number of scripts |
| Number of Unique GPI6s for Prescriptions Filled, pre-index | num\_gpi6 | Number of unique GPIs on scripts |
| 30 day adjusted fill rate, pre-index | adjust\_total\_30d | Number of scripts normalized to 30 days supply units, e.g. a script with 90 days supply is converted to 3 scripts with 30 days supply |
| Generic dispensing rate, pre-index | generic\_rate | Ratio of generic scripts to total scripts |
| Generic scripts filled, pre-index | numofgen | Number of generic scripts |
| Brand scripts filled, pre-index | numofbrand | Number of brand scripts |
| Total healthcare costs per person , pre-index | pre\_total\_cost | Allowed amount in dollars |
| Total medical costs per person, pre-index | pre\_medical\_cost | Allowed amount in dollars |
| Total pharmacy costs per person, pre-index | pre\_rx\_cost | Allowed amount in dollars |
| Total inpatient costs per person, pre-index | pre\_ip\_cost | Allowed amount in dollars |
| Total outpatient costs per person, pre-index | pre\_op\_cost | Allowed amount in dollars |
| Total emergency department costs per person, pre-index | pre\_er\_cost | Allowed amount in dollars |
| Cost of generic scripts filled, pre-index | generic\_cost | Allowed amount in dollars |
| Cost of brand scripts filled, pre-index | brand\_cost | Allowed amount in dollars |
| Ratio of generic to total pharmacy costs, pre-index | ratio\_G\_total\_cost | Ratio of generic script cost to total script cost |
| Log inpatient costs, pre-index | log\_pre\_ip\_cost | Natural logarithm of cost variable |
| Log ER costs, pre,index | log\_pre\_er\_cost | Natural logarithm of cost variable |
| Log outpatient costs, pre-index | log\_pre\_op\_cost | Natural logarithm of cost variable |
| Log pharmacy costs, pre-index | log\_pre\_rx\_cost | Natural logarithm of cost variable |
| **POST-INDEX UTILIZATION AND COSTS** |  |  |
| Patients with ≥ 1 hospital admission, post-index | post\_ip\_flag | = 1 if patient hospitalized pre-index, = 0 otherwise |
| Inpatient hospital stays, post-index | num\_ip\_post | number of stays |
| Total Inpatient days, post-index | total\_los\_post | number of days |
| Total Outpatient visits, post-index | num\_op\_post | number of visits |
| Patients with ≥ 1 ER visit, post-index | post\_er\_flag | = 1 if ≥ 1 ER visit, = 0 otherwise |
| Total Emergency Department visits, post-index | num\_er\_post | number of visits |
| Total Number of Prescriptions, post-index | num\_ndc\_post | number of scripts |
| Number of Unique GPI6s for Prescriptions Filled, post-index | num\_gpi6\_post | Number of unique GPI6s on scripts |
| 30 day adjusted fill rate, post-index | adjust\_total\_30d\_post | Number of scripts normalized to 30 days supply units, e.g. a script with 90 days supply is converted to 3 scripts with 30 days supply |
| Generic dispensing rate, post-index | generic\_rate\_post | Ratio of generic scripts to total scripts |
| Generic scripts filled, post-index | numofgen\_post | Number of generic scripts |
| Brand scripts filled, post-index | numofbrand\_post | Number of brand scripts |
| Total healthcare costs per person, post-index | post\_total\_cost | Allowed amount in dollars |
| Total medical costs per person, post-index | post\_medical\_cost | Allowed amount in dollars |
| Total pharmacy costs per person, post-index | post\_rx\_cost | Allowed amount in dollars |
| Total inpatient costs per person, post-index | post\_ip\_cost | Allowed amount in dollars |
| Total outpatient costs per person, post-index | post\_op\_cost | Allowed amount in dollars |
| Total emergency department costs per person, post-index | post\_er\_cost | Allowed amount in dollars |
| Cost of generic scripts filled, post-index | generic\_cost\_post | Allowed amount in dollars |
| Cost of brand scripts filled, post-index | brand\_cost\_post | Allowed amount in dollars |
| Ratio of generic to total pharmacy costs, post-index | ratio\_G\_total\_cost\_post | Ratio of generic script cost to total script cost |
| **OTHER VARIABLES USED IN MODELS** |  |  |
| Age group new | age\_cat | 1 Age group 19-34 2 Age group 35-44 3 Age group 45-54 4 Age group 55-64 5 Age group 65-74 6 Age group 75+ |
| Pre-index total costs decile | pre\_total\_cat | 1 0<=412.387  2 >412.387 <=747.605  3 >747.605 <=1164.40 4 >1164.40<=1701.98 5 >1701.98<=2442.35 6 >2442.35<=3549.45 7 >3549.45<=5323.65 8 >5323.65<=8922.02 9 >8922.02<=18582.43 10 >18582.43 |
| Out of pocket cost for the index script filled (continuous) | idx\_copay | Patient copay for the index script |
| Log out of pocket costs for index script | log\_idx\_copay | Natural logarithm of copay for index scripts |
| **ADHERENCE** |  |  |
| PDC | pdc | Proportion of days covered (=total days supply/180 days follow-up |
| Adherent (PDC ≥ 80%) | pdc\_80\_flag | =1 if pdc ≥ 0.80; =0 otherwise |
| Adherence (PDC) categorical variable | pdc\_cat | 1 Adherence (PDC)≥ 80% 2 Adherence (PDC) 48.3% to <80.0%  3 Adherence (PDC) 16.7% to <48.3%  0 Adherence (PDC) < 16.7%) |
| **OTHER PROGRAM VARIABLES** |  |  |
| Medispan\_Drg\_Class | drug\_class | Character name of patient's Medispan drug class:  \*ANTICOAGULANTS\*  \*ANTIDIABETICS\* |
| drug\_class is a character variable. All other variables are numeric. | |  |
| Costs are in 2014 dollars. |  |  |
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