Data Dictionary for 1999-2016 targeted inpatient claims data (N=162,900,552, records with missing zipcode and age<64 were excluded. All records were from the contiguous of US (no Alaska, Hawaii, or any off-shore US territories, per the initial data request)

| **Variable** | **Label** |
| --- | --- |
| ADATE | Date beneficiary admitted for Inpatient care or date care started |
| ADM\_SOURCE | Admission source: (   |  |  | | --- | --- | | 0= | ANOMALY: invalid value, if present, translate to '9' | | 1= | Non-Health Care Facility Point of Origin (Physician Referral) - The patient was admitted to this facility upon an order of a physician. | | 2= | Clinical referral - The patient was admitted upon the recommendation of this facility's clinic physician. | | 3= | HMO referral - Reserved for national assignment. (eff. 3/08) Prior to 3/08, HMO referral - The patient was admitted upon the recommendation of a health maintenance organization (HMO) physician. | | 4= | Transfer from hospital (Different Facility) - The patient was admitted to this facility as a hospital transfer from an acute care facility where he or she was an inpatient. | | 5= | Transfer from a skilled nursing facility (SNF) or Intermediate Care Facility (ICF) - The patient was admitted to this facility as a transfer from a SNF or ICF where he or she was a resident. | | 6= | Transfer from another health care facility - The patient was admitted to this facility as a transfer from another type of health care facility not defined elsewhere in this code list where he or she was an inpatient. | | 7= | Emergency room - The patient was admitted to this facility after receiving services in this facility's emergency room department. (Obsolete - eff. 7/1/10) | | 8= | Court/law enforcement - The patient was admitted upon the direction of a court of law or upon the request of a law enforcement agency's representative. Includes transfers from incarceration facilities. | | 9= | Information not available - The means by which the patient was admitted is not known. | | A= | Reserved for National Assignment. (eff. 3/08) Prior to 3/08 defined as: Transfer from a Critical Access Hospital - patient was admitted/referred to this facility as a transfer from a Critical Access Hospital. | | B= | Transfer from Another Home Health Agency - The patient was admitted to this home health agency as a transfer from another home health agency. (Discontinued July 1, 2010 - See Condition Code 47) | | C= | Readmission to Same Home Health Agency - The patient was readmitted to this home health agency within the same home health episode period. (Discontinued July 1, 2010) | | D= | Transfer from hospital inpatient in the same facility resulting in a separate claim to the payer - The patient was admitted to this facility as a transfer from hospital inpatient within this facility resulting in a separate claim to the payer. | | E= | Transfer from Ambulatory Surgery Center - The patient was admitted to this facility as a transfer from an ambulatory surgery center. (eff. 10/1/2007) | | F= | Transfer from Hospice and is under a Hospice Plan of Care or Enrolled in a Hospice Program - The patient was admitted to this facility as a transfer from a hospice. (eff. 10/1/2007)) | |
| ADM\_TYPE | Type and priority of admission: (   |  |  | | --- | --- | | 0= | Blank | | 1= | Emergency - The patient required immediate medical intervention as a result of severe, life threatening, or potentially disabling conditions. Generally, the patient was admitted through the emergency room. | | 2= | Urgent - The patient required immediate attention for the care and treatment of a physical or mental disorder. Generally, the patient was admitted to the first available and suitable accommodation. | | 3= | Elective - The patient's condition permitted adequate time to schedule the availability of suitable accommodations. | | 4= | Newborn - Necessitates the use of special source of admission codes. | | 5= | Trauma Center - visits to a trauma center/hospital as licensed or designated by the State or local government authority authorized to do so, or as verified by the American College of Surgeons and involving a trauma activation. | | 6=THRU | 8 Reserved | | 9 | Unknown - Information not available. | |
| AGE | Age as of Date of Admission. |
| AMI\_pdx | AMI principal discharge diagnosis code (see appendix) 1=yes/0=no |
| AMI\_pdx2dx\_10 | AMI principal or 2nd discharge diagnosis codes (prior 2011) 1=yes/0=no |
| AMI\_pdx2dx\_25 | AMI principal or 2nd discharge diagnosis codes (post 2010) 1=yes/0=no |
| Alzheimer\_pdx | Alzheimer principal discharge diagnosis code (see appendix) 1=yes/0=no |
| Alzheimer\_pdx2dx\_10 | Alzheimer principal or 2nd discharge diagnosis codes (prior 2011) 1=yes/0=no |
| Alzheimer\_pdx2dx\_25 | Alzheimer principal or 2nd discharge diagnosis codes (post 2010) 1=yes/0=no |
| BENE\_DOD | Date beneficiary died |
| CCI | Coronary care unit type code |
| CCI\_DAY | Coronary care days used by beneficiary for stay |
| CHF\_pdx | Heart failure principal discharge diagnosis code (see appendix) 1=yes/0=no |
| CHF\_pdx2dx\_10 | Heart failure principal or 2nd discharge diagnosis codes (prior 2011) 1=yes/0=no |
| CHF\_pdx2dx\_25 | Heart failure principal or 2nd discharge diagnosis codes (post 2010) 1=yes/0=no |
| COPD\_pdx | COPD principal discharge diagnosis code (see appendix) 1=yes/0=no |
| COPD\_pdx2dx\_10 | COPD principal or 2nd discharge diagnosis codes (prior 2011) 1=yes/0=no |
| COPD\_pdx2dx\_25 | COPD principal or 2nd discharge diagnosis codes (post 2010) 1=yes/0=no |
| CSD\_pdx | Circulatory system diseases principal discharge diagnosis code (see appendix) 1=yes/0=no |
| CSD\_pdx2dx\_10 | Circulatory system diseases principal or 2nd discharge diagnosis codes (prior 2011) 1=yes/0=no |
| CSD\_pdx2dx\_25 | Circulatory system diseases principal or 2nd discharge diagnosis codes (post 2010) 1=yes/0=no |
| CVD\_pdx | CVD principal discharge diagnosis code (see appendix) 1=yes/0=no |
| CVD\_pdx2dx\_10 | CVD principal or 2nd discharge diagnosis codes (prior 2011) 1=yes/0=no |
| CVD\_pdx2dx\_25 | CVD principal or 2nd discharge diagnosis codes (post 2010) 1=yes/0=no |
| DDATE | Date beneficiary was discharged or died |
| DIAG1 | Primary ICD-9-CM code |
| DIAG2 | ICD-9-CM Diagnosis code II |
| DIAG3 | ICD-9-CM Diagnosis code III |
| DIAG4 | ICD-9-CM Diagnosis code IV |
| DIAG5 | ICD-9-CM Diagnosis code V |
| DIAG6 | ICD-9-CM Diagnosis code VI |
| DIAG7 | ICD-9-CM Diagnosis code VII |
| DIAG8 | ICD-9-CM Diagnosis code VIII |
| DIAG9 | ICD-9-CM Diagnosis code IX |
| DIAG10 | ICD-9-CM Diagnosis code X |
| DM\_pdx | Diabetic principal discharge diagnosis code (see appendix) 1=yes/0=no |
| DM\_pdx2dx\_10 | Diabetic principal or 2nd discharge diagnosis codes (prior 2011) 1=yes/0=no |
| DM\_pdx2dx\_25 | Diabetic principal or 2nd discharge diagnosis codes (post 2010) 1=yes/0=no |
| DODFLAG | Death Date Verification Code: v=confirmed |
| Dementia\_pdx | Dementia principal discharge diagnosis code (see appendix) 1=yes/0=no |
| Dementia\_pdx2dx\_10 | Dementia principal or 2nd discharge diagnosis codes (prior 2011) 1=yes/0=no |
| Dementia\_pdx2dx\_25 | Dementia principal or 2nd discharge diagnosis codes (post 2010) 1=yes/0=no |
| Dual | Dual-eligible for Medicare and Medicaid, 1=yes 0=no |
| Hemo\_Stroke\_pdx | Hemorrhagic stroke principal discharge diagnosis code (see appendix) 1=yes/0=no |
| Hemo\_Stroke\_pdx2dx\_10 | Hemorrhagic stroke principal or 2nd discharge diagnosis codes (prior 2011) 1=yes/0=no |
| Hemo\_Stroke\_pdx2dx\_25 | Hemorrhagic stroke principal or 2nd discharge diagnosis codes (post 2010) 1=yes/0=no |
| ICU | ICU type code |
| ICU\_DAY | Intensive care days used by beneficiary for stay |
| Ischemic\_stroke\_pdx | Ischemic stroke principal discharge diagnosis code (see appendix) 1=yes/0=no |
| Ischemic\_stroke\_pdx2dx\_10 | Ischemic stroke principal or 2nd discharge diagnosis codes (prior 2011) 1=yes/0=no |
| Ischemic\_stroke\_pdx2dx\_25 | Ischemic stroke principal or 2nd discharge diagnosis codes (post 2010) 1=yes/0=no |
| LOS | Length of stay |
| PROV\_NUM | MEDPAR Provider Number |
| Parkinson\_pdx | Parkinson principal discharge diagnosis code (see appendix) 1=yes/0=no |
| Parkinson\_pdx2dx\_10 | Parkinson principal or 2nd discharge diagnosis codes (prior 2011) 1=yes/0=no |
| Parkinson\_pdx2dx\_25 | Parkinson principal or 2nd discharge diagnosis codes (post 2010) 1=yes/0=no |
| QID | Unique patient ID to link/merge to/with enrollment data |
| RACE | Race of Beneficiary (0= UNKNOWN  1= WHITE  2 =BLACK  3 =OTHER  4 =ASIAN/PACIFIC ISLANDER  5 =HISPANIC  6 =NORTH AMERICAN NATIVE) |
| Race\_gp | White/black/other |
| SEX | Sex of Beneficiary 1=male 2=female |
| SSA\_CNTY\_CD | MEDPAR Provider Number |
| SSA\_STATE\_CD | Encrypted 723 Beneficiary ID |
| Sex\_gp | Male/female |
| Stroke\_pdx | Stroke principal discharge diagnosis code (see appendix) 1=yes/0=no |
| Stroke\_pdx2dx\_10 | Stroke principal or 2nd discharge diagnosis codes (prior 2011) 1=yes/0=no |
| Stroke\_pdx2dx\_25 | Stroke principal or 2nd discharge diagnosis codes (post 2010) 1=yes/0=no |
| YEAR | Year of data |
| age\_gp | 65-74/75-84/85 years or older |
| diag11 | ICD-9-CM Diagnosis code XI |
| diag12 | ICD-9-CM Diagnosis code XII |
| diag13 | ICD-9-CM Diagnosis code XIII |
| diag14 | ICD-9-CM Diagnosis code XIV |
| diag15 | ICD-9-CM Diagnosis code XV |
| diag16 | ICD-9-CM Diagnosis code XVI |
| diag17 | ICD-9-CM Diagnosis code XVII |
| diag18 | ICD-9-CM Diagnosis code XVIII |
| diag19 | ICD-9-CM Diagnosis code XIX |
| diag20 | ICD-9-CM Diagnosis code XX |
| diag21 | ICD-9-CM Diagnosis code XXI |
| diag22 | ICD-9-CM Diagnosis code XXII |
| diag23 | ICD-9-CM Diagnosis code XXIII |
| diag24 | ICD-9-CM Diagnosis code XXIV |
| diag25 | ICD-9-CM Diagnosis code XXV |
| zipcode\_R | Patient's zipcode (reversed) |

**Appendix ICD-9-CM/ICD-10-CM codes for targeted conditions**

|  |  |  |
| --- | --- | --- |
| **Condition** | **ICD-9-CM** | **ICD-10-CM** |
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| Parkinson (principal or 2nd diagnosis) | 332.xx | G20, G2111, G2119, G218 |
| Alzheimer (principal or 2nd diagnosis) | 331.0x | G309 |
| Dementia (principal or 2nd diagnosis) | 290.xx | F0390, F05, F0150, F0151,**I673** |
| Heart failure (principal diagnosis code) | 428.xx | I501, I5020, I5021, I5022, I5023, I5030, I5031, I5032, I5033, I5040, I5041, I5042, I5043, I509 |
| Myocardial infarction (principal diagnosis code) | 410.xx | I2109, I2111, I2119, I2129, I213, I214 |
| Chronic obstructive pulmonary disease (principal diagnosis code) | 490.xx–492.xx, 494.xx–496.xx | J40, J410, J411, J449, J441, J440, J418, J42, J439, J479, J471, J670-J679 |
| Diabetes (principal or 2nd diagnosis) | 250.xx | E10.xxx E11.xxx, Z794, Z7984 |
| Stroke (principal diagnosis code) | 434.91 | I6350, I63.511, I63.512, I63.519, I63.521,I63.522, I63.529, I63.531, I63.532, I63.539, I63.541, I63.542, I63.549, I63.59, I63.8, I63.9 |
| Heart failure (principal diagnosis code) | 428.xx | I50 |
| Myocardial infarction (principal diagnosis code) | 410.xx | I219 (effective 10/1/2017) |
| CVD (principal or 2nd diagnosis) | 390.xx-429.xx | I00-I99, Q20-Q28 |
| Circulatory system diseases (principal or 2nd diagnosis) | 390.xx-459.xx | I00-I99 |
| Iscemic stroke (principal diagnosis code) | 434.xx, 436.xx | I63 |
| Hemorrhagic stroke (principal diagnosis code) | 431.xx | I60-I62 |