**Code table for AMI Staple Dataset**

**Data is from 2007 to the latest available year, based on date of AMI onset.**

| **No.** | **Variable Name** | **Description** | **Code Table** | **Since** |
| --- | --- | --- | --- | --- |
| 1 | reg\_no | key coded episode ID |  |  |
| 2 | uin | key coded patient ID |  |  |
| 3 | order | episode order of the same patient |  |  |
| 4 | resident | resident status | SG=Singaporean,  PR=Permanent Resident |  |
| 5 | gender | gender | M=male,  F=female |  |
| 6 | race | race | CN=Chinese,  MY=Malay,  IN=Indian,  XX=Others |  |
| 7 | onset\_age | age at onset (years) | (date of onset) - (date of birth) |  |
| 8 | onset\_year | year of AMI onset |  |  |
| 9 | admission\_year | year of admission |  |  |
| 10 | discharge\_year | year of discharge |  |  |
| 11 | los | if admitted: length of hospital stay (days) | (date of admission) - (date of discharge) |  |
| 12 | aor | discharged at own request | Y=yes,  N=no,  A=not applicable | 2008 |
| 13 | trans\_from\_hosp | if admitted: transferred from hospital | Y=yes,  N=no |  |
| 14 | emd\_na | inpatient AMI | Y=yes |  |
| 15 | ecg\_trans | ECG transmission | Y=yes,  N=no,  A=not applicable | 2009 |
| 16 | breathlessness | presenting symptom | Y=yes |  |
| 17 | back\_pain | presenting symptom | Y=yes |  |
| 18 | chest\_pain | presenting symptom | Y=yes |  |
| 19 | diaphoresis | presenting symptom | Y=yes |  |
| 20 | ecg\_change | presenting symptom | Y=yes |  |
| 21 | elevated\_car\_enz | presenting symptom | Y=yes |  |
| 22 | epigastric\_pain | presenting symptom | Y=yes |  |
| 23 | jaw\_pain | presenting symptom | Y=yes |  |
| 24 | syncope | presenting symptom | Y=yes |  |
| 25 | shoulder\_pain | presenting symptom | Y=yes |  |
| 26 | symptom | presenting symptom | A=atypical,  D=typical but inadequately described,  N=none,  O=others,  T=typical |  |
| 27 | cpr\_amb | CPR done in ambulance | Y=yes,  N=no |  |
| 28 | cpr\_emd | CPR done in ED | Y=yes,  N=no |  |
| 29 | dc\_shock | DC shock done in ambulance/EMD/hospitalisation | Y=yes,  N=no |  |
| 30 | heart\_fail\_adm | heart failure on ED/admission | 1=killip class 1,  2=killip class 2,  3=killip class 3,  4=killip class 4 |  |
| 31 | mgmt | management of patient after onset | C=in hospital on clinical trial,  D=at home by a doctor,  H=in hospital,  M=medically unattended,  N=in nursing home,  O=other medical consultation excluding hospitalisation |  |
| 32 | smk | smoking status | E=former smoker,  N=never smoker,  S=current smoker |  |
| 33 | height | height (m) |  |  |
| 34 | weight | weight (kg) |  |  |
| 35 | past\_ht | past history of hypertension | Y=yes,  N=no |  |
| 36 | past\_dm | past history of diabetes mellitus | Y=yes,  N=no |  |
| 37 | past\_lipid | past history of hyperlipidaemia | Y=yes,  N=no |  |
| 38 | past\_ami | past history of AMI | Y=yes,  N=no |  |
| 39 | past\_cabg | past history of CABG | Y=yes,  N=no |  |
| 40 | past\_ptca | past history of PTCA/PCI | Y=yes,  N=no |  |
| 41 | diag\_ht | hypertension diagnosed during admission | Y=yes,  N=no |  |
| 42 | diag\_dm | diabetes mellitus diagnosed during admission | Y=yes,  N=no |  |
| 43 | diag\_lipid | hyperlipidaemia diagnosed during admission | Y=yes,  N=no |  |
| 44 | bld\_sugar\_level | blood sugar level (mmol/L) |  |  |
| 45 | bld\_sugar\_cond | blood sugar level condition | F=fasting,  R=random |  |
| 46 | bld\_sugar\_src | blood sugar level source | C=capillary,  V=venous |  |
| 47 | ttl\_chlt\_level | total cholesterol level (mmol/L) |  |  |
| 48 | ttl\_chlt\_cond | total cholesterol level condition | F=fasting,  R=random |  |
| 49 | hdl\_chlt\_level | HDL cholesterol level (mmol/L) |  |  |
| 50 | hdl\_chlt\_cond | HDL cholesterol level condition | F=fasting,  R=random |  |
| 51 | ldl\_chlt\_level | LDL cholesterol level (mmol/L) |  |  |
| 52 | ldl\_chlt\_cond | LDL cholesterol level condition | F=fasting,  R=random |  |
| 53 | trig\_level | triglyceride level (mmol/L) |  |  |
| 54 | trig\_cond | triglyceride level condition | F=fasting,  R=random |  |
| 55 | hba1c | HbA1c level (%) |  |  |
| 56 | haemo | haemoglobin level (g/dL) |  |  |
| 57 | creatinine | creatinine level (umol/L) |  |  |
| 58 | renal\_impair | renal impairment | N=new,  P=pre-existing,  X=no | 2012 |
| 59 | stemi | MI type | S=STEMI,  N=NSTEMI |  |
| 60 | mi\_type | MI type based on the American College of Cardiology | AMI=acute myocardial infarct (unspecified),  T1=type 1,  T2=type 2,  T3=type 3,  T4A=type 4a,  T4B=type 4b,  T5=type 5 | 2012 |
| 61 | stemi\_rep\_thpy | if STEMI: indication of reperfusion therapy | Y=yes,  N=no |  |
| 62 | throm\_rtpa | if STEMI and had reperfusion therapy: thrombolysis (RTPA) | Y=yes,  N=no |  |
| 63 | throm\_strep | if STEMI and had reperfusion therapy: thrombolysis (streptokinase) | Y=yes,  N=no |  |
| 64 | throm\_oth | if STEMI and had reperfusion therapy: thrombolysis (others) | text |  |
| 65 | pri\_ptca | if STEMI and had reperfusion therapy: primary PTCA | Y=yes,  N=no |  |
| 66 | s2d | symptom-to-door time (minutes) | (time of first medical contact) - (time of onset) for outpatient;  not applicable for inpatient |  |
| 67 | d2b | door-to-balloon time (minutes) | (time of first device) - (time of first medical contact) for outpatient;  (time of first device) - (time of onset) for inpatient |  |
| 68 | rescue\_ptca | if STEMI and had reperfusion therapy: rescue PTCA | Y=yes,  N=no |  |
| 69 | facilitated\_ptca | if STEMI and had reperfusion therapy: facilitated PTCA | Y=yes,  N=no |  |
| 70 | urgent\_cabg | if STEMI and had reperfusion therapy: urgent CABG | Y=yes,  N=no |  |
| 71 | late | if STEMI and did not have reperfusion therapy: late presentation | Y=yes |  |
| 72 | declined | if STEMI and did not have reperfusion therapy: declined | Y=yes |  |
| 73 | contra | if STEMI and did not have reperfusion therapy: contraindication | Y=yes |  |
| 74 | others | if STEMI and did not have reperfusion therapy: other reasons | Y=yes |  |
| 75 | subseq\_cath | if STEMI: subsequent CATH | T=yes,  D=no |  |
| 76 | subseq\_ptca | if STEMI: subsequent PTCA | T=yes,  D=no |  |
| 77 | subseq\_cabg | if STEMI: subsequent CABG | T=yes,  D=no |  |
| 78 | nstemi\_cath | if NSTEMI: CATH | T=yes,  D=no |  |
| 79 | nstemi\_ptca | if NSTEMI: PTCA | T=yes,  D=no |  |
| 80 | nstemi\_cabg | if NSTEMI: CABG | T=yes,  D=no |  |
| 81 | stent\_throm | stent thrombosis | Y=yes,  I=inpatient,  N=not applicable | 2012 |
| 82 | drug\_stat\_asp | aspirin given on admission / within 24h from onset for inpatient | Y=yes,  N=no |  |
| 83 | drug\_stat\_asp\_con | if no aspirin given: contraindication | Y=yes,  N=no |  |
| 84 | drug\_stat\_beta | beta blocker given on admission / within 24h from onset for inpatient | Y=yes,  N=no |  |
| 85 | drug\_stat\_beta\_con | if no beta blocker given: contraindication | Y=yes,  N=no |  |
| 86 | drug\_stat\_oth | other anti-platelet agents given on admission / within 24h from onset for inpatient | Y=yes,  N=no |  |
| 87 | drug\_stat\_oth\_con | if no other anti-platelet agents given: contraindication | Y=yes,  N=no |  |
| 88 | drug\_curr\_asp | aspirin given during hospitalisation | Y=yes,  N=no |  |
| 89 | drug\_curr\_asp\_con | if no aspirin given: contraindication | Y=yes,  N=no |  |
| 90 | drug\_curr\_beta | beta blocker given during hospitalisation | Y=yes,  N=no |  |
| 91 | drug\_curr\_beta\_con | if no beta blocker given: contraindication | Y=yes,  N=no |  |
| 92 | drug\_curr\_ace | ACE inhibitor/ARB given during hospitalisation | Y=yes,  N=no |  |
| 93 | drug\_curr\_ace\_con | if no ACE inhibitor/ARB given: contraindication | Y=yes,  N=no |  |
| 94 | drug\_curr\_lipid | lipid lowering therapy/statin given during hospitalisation | Y=yes,  N=no |  |
| 95 | drug\_curr\_lipid\_con | if no lipid lowering therapy/statin given: contraindication | Y=yes,  N=no |  |
| 96 | drug\_curr\_oth | other anti-platelet agents given during hospitalisation | Y=yes,  N=no |  |
| 97 | drug\_curr\_oth\_con | if no other anti-platelet agents given: contraindication | Y=yes,  N=no |  |
| 98 | drug\_disc\_asp | aspirin given at discharge | Y=yes,  N=no |  |
| 99 | drug\_disc\_asp\_con | if no aspirin given: contraindication | Y=yes,  N=no |  |
| 100 | drug\_disc\_beta | beta blocker given at discharge | Y=yes,  N=no |  |
| 101 | drug\_disc\_beta\_con | if no beta blocker given: contraindication | Y=yes,  N=no |  |
| 102 | drug\_disc\_ace | ACE inhibitor/ARB given at discharge | Y=yes,  N=no |  |
| 103 | drug\_disc\_ace\_con | if no ACE inhibitor/ARB given: contraindication | Y=yes,  N=no |  |
| 104 | drug\_disc\_lipid | lipid lowering therapy/statin given at discharge | Y=yes,  N=no |  |
| 105 | drug\_disc\_lipid\_con | if no lipid lowering therapy/statin given: contraindication | Y=yes,  N=no |  |
| 106 | drug\_disc\_oth | other anti-platelet agents given at discharge | Y=yes,  N=no |  |
| 107 | drug\_disc\_oth\_con | if no other anti-platelet agents given: contraindication | Y=yes,  N=no |  |
| 108 | comp\_ami\_shock | if admitted: cardiogenic shock | Y=yes,  N=no |  |
| 109 | comp\_ami\_heart\_failure | if admitted: heart failure | 1=killip class 1,  2=killip class 2,  3=killip class 3,  4=killip class 4 |  |
| 110 | comp\_ami\_reinfarct | if admitted: reinfarction | Y=yes,  N=no |  |
| 111 | comp\_ami\_arrhy | if admitted: arrhythmic complication status | Y=yes,  N=no |  |
| 112 | comp\_ami\_arrhy\_supra | if had arrhythmic complication: supraventricular arrhythmia | Y=yes,  N=no |  |
| 113 | antrial\_fib | if had supraventricular arrhythmia: atrial fibrillation | Y=yes,  N=no |  |
| 114 | antrial\_flu | if had supraventricular arrhythmia: atrial flutter | Y=yes,  N=no |  |
| 115 | comp\_ami\_arrhy\_vent | if had arrhythmic complication: ventricular arrhythmia | Y=yes,  N=no |  |
| 116 | vf | if had ventricular arrhythmia: VF | Y=yes,  N=no |  |
| 117 | sustain\_vt | if had ventricular arrhythmia: sustained VT | Y=yes,  N=no |  |
| 118 | nsvt | if had ventricular arrhythmia: non-sustained VT | Y=yes,  N=no |  |
| 119 | comp\_ami\_heart\_block | if admitted: complete heart block | Y=yes,  N=no |  |
| 120 | comp\_ami\_inpatient\_arf | if admitted: acute renal failure | Y=yes,  N=no |  |
| 121 | comp\_ami\_inpatient\_cva | if admitted: CVA | Y=yes,  N=no |  |
| 122 | comp\_ami\_inpatient\_cva\_yes | if had CVA: type of CVA | H=haemorrhagic,  I=ischaemic |  |
| 123 | comp\_ami\_inpatient\_lvsd | if admitted: LVSD | Y=yes,  N=no |  |
| 124 | lvef | LVEF (%) |  | 2008 |
| 125 | surv\_len | survival duration (years) | (date of death) - (date of onset) if patient died;  (date of censor) - (date of onset) if patient survived;  date of censor=31/03/2016 |  |
| 126 | death\_age | age at death (years) | (date of death) - (date of birth) |  |
| 127 | death\_year | year of death |  |  |
| 128 | death\_code | cause of death (ICD codes) |  |  |
| 129 | death\_cause | cause of death (text) |  |  |

**Note:**

1. Observation is by episode, following the MONICA criteria.
2. Item no. 7, 11, 66, 67, 125 and 126 are computed variables to replace the original variables.
3. All variables have been captured by the Registry since 2007, unless stated otherwise in the last column.
4. Outliers which are low in frequency and with values that are far from the rest of the observations for numeric variables, were replaced with missing values to reduce the risk of identification of patients.