**Adverse Events related to Clopidogrel**

Record must have:

1. An H&P including a problem list
2. An H&P with Past Medical History (PMH)

**Phenotype definition:**

MI defined by ICD-9 code AND clopidogrel on med list at discharge

OR

Intracoronary stent defined by CPT code or text mention

**No** evidence of: MI (ICD9 or text mention in PL)

OR

Revascularization (CPT or text mention in PL)

OR

Stroke (ICD9)

OR

death

OR

PltP2Y (Platelet Function P2Y12) lab value

within 730 before or after the initial event

Evidence of : MI (ICD9)

OR

Revascularization (CPT)

OR

Stroke (ICD9)

OR

death

between 30 and 730 days from initial event

**p**

Record must have:

Presence of follow up (defined below) at least 730 days from initial event

**Potential CONTROL**

**Potential CASE**

Evidence of clopidogrel use (dose information available) within 30 days of second event.

**Note:** For all text mentions of events, use only the first text mention as a qualifying event as they are typically repeated through the rest of the record as part of the patient’s medical history.

**Stent placement**

CPT code: 92980 or 92981

OR text mention = “cypher”, “taxus”, “BMS”, “DES”, “stent” (*note*: for controls, use only BMS, DES)

**MI/Revascularization CPT Codes:**

33533 – coronary artery bypass, using arterial grafts; single arterial graft

33534 - coronary artery bypass, using arterial grafts; two coronary artery grafts

33535 - coronary artery bypass, using arterial grafts; three coronary artery grafts

33536 - coronary artery bypass, using arterial grafts; four or more coronary artery grafts

33510 - coronary artery bypass, vein only, single coronary venous graft

33511- coronary artery bypass, vein only, two coronary venous grafts

33512- coronary artery bypass, vein only, three coronary venous grafts

33513- coronary artery bypass, vein only, four coronary venous grafts

33514- coronary artery bypass, vein only, five coronary venous grafts

33515- coronary artery bypass (old code)

33516- coronary artery bypass, vein only, six coronary venous grafts

33517 - coronary artery bypass, using venous grafts and arterial grafts, single vein graft

33518 - coronary artery bypass, using venous grafts and arterial grafts, two venous grafts

33519- coronary artery bypass, using venous grafts and arterial grafts, three venous grafts

33520 - coronary artery bypass (old code)

33521 - coronary artery bypass, using venous grafts and arterial grafts, four venous grafts

33522 - coronary artery bypass, using venous grafts and arterial grafts, five venous grafts

33523 - coronary artery bypass, using venous grafts and arterial grafts, six venous grafts

92980 – transcatheter placement of an intracoronary stent, percutaneous, with or without other therapeutic intervention, any method, single vessel

92981 - transcatheter placement of an intracoronary stent, percutaneous, with or without other therapeutic intervention, any method, each additional vessel

92982 – percutaneous transluminal coronary balloon angioplasty, single vessel

92984  – percutaneous transluminal coronary balloon angioplasty, each additional vessel

92995 - percutaneous transluminal coronary atherectomy, by mechanical or other method, with or without balloon angioplasty, single vessel

92996 - percutaneous transluminal coronary atherectomy, by mechanical or other method, with or without balloon angioplasty, each additional vessel

Text mention in PL = CABG, coronary artery bypass

**MI Definition:**

410.\* Code must occur on two successive days

Text mention in PL = myocardial infarction

**Stroke ICD 9 codes**

433 Occlusion and stenosis of precerebral arteries

433.01 Occlusion and stenosis of basilar artery

433.11 Occlusion and stenosis of carotid artery

433.21 Occlusion and stenosis of vertebral artery

433.31 Occlusion and stenosis of multiple and bilateral precerebral arteries

433.81 (3dig) Occlusion and stenosis of other specified precerebral artery

433.91 (3dig) Occlusion and stenosis of unspecified precerebral artery

434 Occlusion of cerebral arteries

434.01 (3dig) Cerebral thrombosis

434.11 (3dig) Cerebral embolism

434.91 (3dig) Cerebral artery occlusion, unspecified

“Follow Up” Definition:

Confirmation of a discharge summary, history and physical, past medical history or clinic visit or clinic note, or any clinical report. May also be defined as a problem list consisting of a non-zero medication section or non-zero problem section.