

Supplementary Table S1: ICD-9 codes of Cardiovascular diagnosis and treatments.

| Diagnosis | ICD-9 codes | Source |
|--|---|-----------------------------|
| ST-elevation myocardial infarction (STEMI) | 410.1%-410.6%, 410.8% | Hospital EMRs |
| Non-ST-elevation myocardial infarction (non-STEMI) | 410.7%, 410.9% 410 | Hospital EMRs |
| Atrial fibrillation (AF) | 427.3, 427.31, 427.32, K78 | Community and Hospital EMRs |
| Congestive heart failure (CHF) | 428.0, 428.1 428.2, 428.20, 428.21, 428.22, 428.23 428.3, 428.31, 428.32, 428.33 428.4, 428.40, 428.41, 428.42, 428.43, 112.1, 112.3, 112.9 398.91, 402.01, 402.11, 402.91, 404.01, 404.03, 404.11, 404.13, 404.91, 404.93, 416.9, 514 | Community and Hospital EMRs |
| Cerebrovascular accident (CVA) | 430, 431, 432, 433%, 434.91, 436, 438.0, 438.1%, 438.2% | Community and Hospital EMRs |
| Ablation | 37.34 | Hospital EMRs |
| Catheterization | 0066, 0040, 0041, 0042, 0043, 0044, 0045, 0046, 0047, 0048 | Hospital EMRs |
| Coronary artery bypass graft (CABG) | 36.1, 36.10, 36.15, 36.16, 36.11, 36.12, 36.13 | Hospital EMRs |
| Pacemaker | 0050, 0053, 37.71, 37.73, 37.81, 37.82, 37.83 | Hospital EMRs |
| Defibrillator | 0051, 0054, 37.94, 37.98 | Hospital EMRs |