

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