Supplementary

Table S1 Codes used to identify records of patients with CVD

| Index condition | ICD-10-CM diagnosis codes |
|-----------------|--------------------------|
| CHD             | I20.001, I20.002, I20.003, I20.004, I20.005, I20.101, I20.801, I20.804, I20.806, I20.807, I21, I22, I23, I24, I25 |
| HF              | I50.003, I50.001, I50.005, I50.000x006, I50.100, I50.102, I50.103, I50.107, I50.000, I50.907, I50.908, I50.900, I97.100x004, P29.000, I11.001, I11.000, I13.000, I13.000, I13.200, I50.900x017, I97.102, I97.803, I50.103, I50.901, P29.001, I50.900x018, I50.102, J81.xx02, O99.417, O99.429, O75.403, O99.423, O99.402, O99.507, O29.102, O74.202, O75.402, O89.102, I50.901, I50.902, I50.903, I50.904, I50.905, I50.900x007, I50.900x008, I50.900x009, I50.900x010, R57.901, J81.x00, R57.000, J96.102 |
| Stroke          | I60, I61, I63, I64, I69, H34.1, G45 |

CVD, cardiovascular disease; CHD, coronary heart disease; HF, heart failure; ICD-10-CM, International Classification of Diseases, 10th revision, Clinical Modification.

Table S2 Operation codes used to identify records of patients with CVD

| Index condition | Operation | ICD-9-CM procedure codes |
|-----------------|-----------|--------------------------|
|                 | Beijing edition | Clinic edition |
| CHD             | CAG       | 88.55001, 88.56001, 88.57002 | 88.5500, 88.5500x02, 88.5600, 88.5600x002, 88.5700, 88.5701, 88.5700x003, 88.5900 |
|                 | PCI       | 36.06003, 36.06004, 36.07003 | 36.0600, 36.0601, 36.0602, 36.0700, 36.0700x004, 36.0701 |
|                 | CABG      | 36.1101, 36.1201, 36.1301, 36.1401, 36.1501, 36.1601, 36.1701, 36.2001 |

CVD, cardiovascular disease; CHD, coronary heart disease; CAG, coronary angiography; PCI, percutaneous coronary intervention; CABG, coronary artery bypass grafting; ICD-9-CM, International Classification of Diseases, 9th revision, Clinical Modification.

Table S3 Prescription drugs categories used to identify records of patients with CVD

| Index condition | Drug category |
|-----------------|---------------|
| CHD             | Organic nitrate esters |
| HF              | Cardiac glycosides, phosphodiesterase inhibitors, adrenergic, and dopaminergic drugs |
| Stroke          | Antihypertensive agents, almitrine-raubasine combination, calcium channel blockers, antimelancholic agents, peripheral vasodilators, antivertigo medication |

CVD, cardiovascular disease; CHD, coronary heart disease; HF, heart failure.