**Supplemental Table 1**. ICD-9-CM diagnostic code used in this study

| Variable | ICD-9-CM code |
| --- | --- |
| Dialysis | 585.xx (Catastrophic illness card) |
| Chronic kidney disease | 580.xx–589.xx, 403.xx–404.xx, 016.0x, 095.4x, 236.9x, 250.4x, 274.1x, 442.1x, 447.3x, 440.1x, 572.4x, 642.1x, 646.2x, 753.1x, 283.11, 403.01, 404.02, 446.21 |
| Aortic pathology |  |
| Un-ruptured aortic aneurysm | 441.xx except 441.0x, 441.1, 441.3, 441.5, 441.6 |
| Ruptured aortic aneurysm | 441.1, 441.3, 441.5, 441.6 |
| Aortic dissection | 441.0x |
| Traumatic aortic injury | 901.0x，902.0x |
| Diabetes mellitus | 250.xx |
| Hypertension | 401.xx–405.xx |
| Heart failure | 428.xx |
| Atrial fibrillation | 427.31 |
| Coronary artery disease | 410.xx–414.xx |
| Stroke | 430.xx–437.xx |
| Prior myocardial infarction | 410.xx, 412.xx |
| Peripheral arterial disease | 440.0x, 440.2x, 440.3x, 440.8x, 440.9x, 443.xx, 444.0x, 444.22, 444.8x, 447.8x, 447.9x |
| Chronic obstructive pulmonary disease  | 491.xx, 492.xx, 496.xx |
| Malignancy | 140.xx–208.xx (Catastrophic illness card) |
| Postoperative infection | 038.xx, 9985 |
| Acute myocardial infarction | 410.xx |

ICD-9-CM, International Classification of Diseases, Ninth Revision, Clinical Modification.