Supplement Table 1. ICD-9-CM code used for diagnosis in the current study

| Variable | ICD-9-CM code |
| --- | --- |
| Acute myocardial infarction | 410.xx |
| Old myocardial infarction | 410.xx, 412.xx |
| Liver cirrhosis | 571.2x, 571.5x, 571.6x |
| Liver transplant | V42.7 |
| Hypertension | 401.xx–405.xx |
| Diabetes mellitus | 250.xx |
| Hyperlipidemia | 272.xx |
| Heart failure | 428.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 |
| Atrial fibrillation | 427.31 |
| Old stroke | 430.xx–437.xx |
| 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 |
| ESRD (dialysis) | 585.xx (Catastrophic illness card) |
| Malignancy | 140.xx–208.xx (Catastrophic illness card) |
| Alcoholic cirrhosis | 571.2x |
| Hepatitis B virus infection | 070.20, 070.22, 070.30, 070.32, V02.61 |
| Hepatitis C virus infection | 070.41, 070.44, 070.51, 070.54, 070.70, 070.71, V02.62 |
| Gastrointestinal bleeding | 530.21, 530.7, 530.82, 531.xx–534.xx, 535.xx, 537.83, 537.84, 578.xx |
| Major bleeding | 430.xx–432.xx, 578.xx, 719.1x, 423.0, 599.7, 626.2, 626.6, 626.8, 627.0, 627.1, 786.3, 784.7, 459.0 |
| Hepatic encephalopathy | 572.2 |
| Ascites | 789.5x |
| Esophageal varices bleeding | 456.0, 456.20 |
| Alcoholic cirrhosis | 571.2 |
| Hepatocellular carcinoma | 155.xx (Catastrophic illness card) |
| Hepatic encephalopathy | 572.2 |
| Ascites | 789.5x |
| Esophageal varices bleeding | 456.0, 456.20 |
| Coagulopathy | 286.0, 286.1, 286.2, 286.3 (Catastrophic illness card) |
| Ventricular tachycardia | 427.1 |
| Ventricular fibrillation | 427.4x |
| Atrial fibrillation | 427.31 |

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