**Table 3 A-C:**

**A:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | |
| **Elixhauser** | **OR** | **90 d**  **CI(95%)** | **C.ind** | **OR** | **1 year**  **CI(95%)** | **C.ind** |
|  |  |  |  |  |  |  |
| Congestive heart failure | 9.3 | 5.63- 14.68 | 0.58 | 5.7 | 4.06- 7.78 | 0.55 |
| Cardiac arrhythmias | 2.8 | 1.70- 4.50 | 0.55 | 2.37 | 1.75- 3.14 | 0.54 |
| Valvular disease | 1.3 | 0.32- 3.42 | 0.50 | 1.8 | 0.98- 3.01 | 0.51 |
| Pulmonary circulation disorder | 7.0 | 1.71- 18.81 | 0.51 | 4.45 | 1.74- 9.27 | 0.51 |
| Peripheral vascular disorder | 3.5 | 1.08- 8.45 | 0.51 | 2.5 | 1.19- 4.60 | 0.51 |
| Hypertension uncomplicated | 1.3 | 0.88-1.88 | 0.53 | 1.35 | 1.09- 1.66 | 0.53 |
| Hypertension complicated | 4.5 | 1.10- 12.02 | 0.51 | 2.8 | 1.12- 5.87 | 0.51 |
| Paralysis | 0 | 0- 4.87 | 0.50 | 2.5 | 0.42-8.00 | 0.50 |
| Other neurological disorders | 3.2 | 0.97- 7.59 | 0.51 | 2.0 | 0.90-3.77 | 0.51 |
| Chronic pulmonary disease | 1.6 | 0.77- 3.06 | 0.51 | 1.68 | 1.12- 2.42 | 0.52 |
| Diabetes uncomplicated | 1.5 | 0.78- 2.63 | 0.52 | 1.65 | 1.17-2.26 | 0.52 |
| Diabetes complicated | 2.3 | 0.55- 5.93 | 0.51 | 2.38 | 1.18-4.25 | 0.51 |
| Hypothyroidism | 1.3 | 0.47-2.92 | 0.51 | 1.25 | 0.71- 2.03 | 0.50 |
| Renal failure | 11.6 | 5.65- 21.34 | 0.54 | 6.1 | 3.56-9.71 | 0.52 |
| Liver disease | 0 | 0-6.59 | 0.50 | 2.7 | 0.95- 5.90 | 0.50 |
| Peptic ulcer disease | 2.7 | 0.15- 12.30 | 0.50 | 3.5 | 1.08- 8.38 | 0.50 |
| Aids/hiv | 0 | NA-54218648.46 | 0.50 | 17.1 | 0.91- 96.41 | 0.50 |
| Lymphoma | 5.3 | 0.86- 16.67 | 0.51 | 5.1 | 1.98- 10.59 | 0.51 |
| Metastatic cancer | 3.0 | 0.17- 13.37 | 0.50 | 9.1 | 4.25- 17.02 | 0.51 |
| Solid\_tumor | 2.3 | 1.11- 4.14 | 0.52 | 4.3 | 3.15- 5.67 | 0.56 |
| Rheumatoid arthritis | 1.7 | 0.66- 3.51 | 0.51 | 1.5 | 0.89- 2.37 | 0.51 |
| Coagulopathy | 2.4 | 0.14- 11.02 | 0.50 | 1.5 | 0.26- 4.85 | 0.50 |
| Obesity | 1.6 | 0.57-3.57 | 0.51 | 0.7 | 0.30- 1.36 | 0.50 |
| Weight loss | 0 | 0- 358.25 | 0.50 | 0 | 0- 0.69 | 0.50 |
| Fluid electrolyte disorders | 0 | 0- 0.14 | 0.50 | 2.6 | 0.79- 6.13 | 0.50 |
| Blood loss anemia | 14.1 | 0.79-67.28 | 0.50 | 4.4 | 0.25- 20.87 | 0.50 |
| Deficiency anemia | 2.6 | 0.44- 8.36 | 0.51 | 4.3 | 2.13- 7.77 | 0.51 |
| Alcohol\_abuse | 2.1 | 0.12- 9.27 | 0.50 | 2.0 | 0.48- 5.19 | 0.50 |
| Drug abuse | 0 | 0- 58.13 | 0.50 | 0 | 0- 0.11 | 0.50 |
| Psychoses | 4.2 | 0.24- 19.07 | 0.50 | 4.05 | 0.99- 10.85 | 0.50 |
| Depression | 0.6 | 0.03- 2.50 | 0.50 | 1.6 | 0.77- 2.98 | 0.51 |
| Elixhauser index | 1.5 | 1.36- 1.72 | 0.63 | 1.5 | 1.41- 1.62 | 0.65 |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

**B:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Charlson** | **OR** | **90 d**  **CI(95%)** | **C.ind** | **OR** | **1 year**  **CI(95%)** | **C.ind** |
|  |  |  |  |  |  |  |
| Myocardial infarction | 4.4 | 2.51- 7.11 | 0.56 | 3.0 | 2.18- 4.26 | 0.54 |
| Congestive heart failure | 9.8 | 5.91- 15.42 | 0.58 | 6.0 | 4.32- 8.28 | 0.55 |
| Peripheral vascular disease | 3.5 | 1.08- 8.45 | 0.51 | 2.5 | 1.29- 4.89 | 0.51 |
| Cerebrovascular disease | 3.9 | 1.76- 7.61 | 0.53 | 2.9 | 1.84- 4.68 | 0.52 |
| Dementia | 4.9 | 0.80- 15.49 | 0.51 | 3.1 | 1.14- 8.36 | 0.50 |
| Chronic pulmonary disease | 1.6 | 0.77- 3.06 | 0.51 | 1.7 | 1.15- 2.46 | 0.52 |
| Rheumatic disease | 2.1 | 0.81- 4.35 | 0.51 | 1.6 | 0.97- 2.75 | 0.51 |
| Peptic ulcer disease | 1.4 | 0.08- 6.49 | 0.50 | 2.3 | 0.95- 5.66 | 0.50 |
| Mild liver disease | 0 | 0- 9.47 | 0.50 | 2.8 | 1.16- 6.90 | 0.50 |
| Diabetes no complication | 1.5 | 0.77- 2.57 | 0.52 | 1.7 | 1.24- 2.35 | 0.52 |
| Charlson diabetes complication | 2.0 | 0.33- 6.41 | 0.50 | 1.3 | 0.47- 3.44 | 0.50 |
| Hemiplegia or paraplegia | 0 | 0- 4.87 | 0.50 | 2.5 | 0.62- 10.27 | 0.50 |
| Renal disease | 11.3 | 5.48- 20.68 | 0.54 | 5.9 | 3.58- 9.70 | 0.52 |
| Malingnacy | 2.7 | 1.45-4.67 | 0.53 | 4.6 | 3.47- 6.02 | 0.57 |
| Moderate or severe liver disease | 0 | NA- 634.03 | 0.50 | 0 | 0- 1.343E+149 | 0.50 |
| Metastasic solid tumor | 3.0 | 0.17- 13.37 | 0.50 | 9.1 | 4.58-18.01 | 0.51 |
| Aids/hiv | 0 | NA- 54218648.50 | 0.50 | 17.1 | 2.10-139.30 | 0.50 |
| Charlson index\_original | 1.5 | 1.34- 1.59 | 0.65 | 1.5 | 1.42- 1.58 | 0.65 |
| Charlson index updated | 1.5 | 1.33- 1.60 | 0.61 | 1.5 | 1.44-1.60 | 0.63 |
|  |  |  |  |  |  |  |

**C:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **RcRiskV** | **OR** | **90 d**  **CI(95%)** | **C.ind** | **OR** | **1 year**  **CI(95%)** | **C.ind** |
|  |  |  |  |  |  |  |
| Alcohol dependence | 2.6 | 0.15- 11.86 | 0.50 | 1.7 | 0.41-6.73 | 0.50 |
| Allergies | 0.7 | 0.30- 1.27 | 0.52 | 0.8 | 0.52- 1.12 | 0.51 |
| Anti coagulation therapy | 1.8 | 0.96- 2.98 | 0.53 | 1.8 | 1.32- 2.47 | 0.53 |
| Anti platelet therapy | 2.1 | 1.44- 3.11 | 0.58 | 1.8 | 1.41- 2.20 | 0.56 |
| Anxiety | 2.2 | 1.24- 3.71 | 0.54 | 1.9 | 1.41- 2.70 | 0.53 |
| Arrhythmia | 2.5 | 0.89- 5.62 | 0.51 | 2.3 | 1.31- 3.86 | 0.51 |
| Benign prostate hypertrophy | 1.8 | 0.62-3.90 | 0.51 | 2.0 | 1.26- 3.29 | 0.51 |
| Bipolar disorder | 0.4 | 0.02- 1.87 | 0.51 | 1.5 | 0.82- 2.74 | 0.51 |
| Chronic heart failure | 2.3 | 1.61-3.49 | 0.61 | 1.8 | 1.46- 2.24 | 0.57 |
| Dementia | NA | NA- NA | 0.50 | NA | NA-NA | 0.50 |
| Depression | 0.7 | 0.35- 1.29 | 0.52 | 1.1 | 0.84- 1.54 | 0.51 |
| Diabetes | 2.2 | 1.29- 3.58 | 0.54 | 1.8 | 1.31- 2.42 | 0.53 |
| End stage renal disease | 7.8 | 2.36- 18.73 | 0.52 | 9.8 | 5.72- 16.72 | 0.52 |
| Epilepsy | 1.7 | 0.52- 4.07 | 0.51 | 2.1 | 1.22- 3.46 | 0.51 |
| Gastric oesophageal reflux disorder | 0.8 | 0.47- 1.21 | 0.52 | 1.3 | 0.99- 1.58 | 0.52 |
| Glaucoma | 1.4 | 0.59-2.82 | 0.51 | 1.1 | 0.71- 1.83 | 0.50 |
| Gout | 2.3 | 0.90-4.83 | 0.52 | 2.5 | 1.56- 3.89 | 0.52 |
| Hepatitis C | 1.4 | 0.24- 4.55 | 0.50 | 1.1 | 0.47- 2.76 | 0.50 |
| Hiv | 0 | NA-26514.03 | 0.50 | 14.3 | 3.29- 62.14 | 0.50 |
| Hyperkalaemia | 0 | 0- 21257.96 | 0.50 | 0 | 0-2.09E+214 | 0.50 |
| Hyperlipidemia | 1.5 | 0.98- 2.17 | 0.54 | 1.5 | 1.17- 1.82 | 0.54 |
| Hypertension | 2.3 | 1.61-3.44 | 0.60 | 1.5 | 1.25- 1.91 | 0.55 |
| Hyperthyroidism | 1.0 | 0.50- 1.87 | 0.50 | 0.9 | 0.61- 1.32 | 0.50 |
| Angina | 4.4 | 2.71- 6.86 | 0.58 | 2.9 | 2.14- 3.90 | 0.55 |
| Ischaemic heart disease hypertension | 3.7 | 2.47- 5.65 | 0.66 | 2.0 | 1.63- 2.50 | 0.59 |
| Inflammatory bowel disease | 4.1 | 1.25- 9.83 | 0.51 | 2.2 | 1.05- 4.77 | 0.51 |
| Liver failure | 3.4 | 1.81- 5.84 | 0.54 | 3.0 | 2.09- 4.19 | 0.53 |
| Malignancies | 2.1 | 0.12- 9.45 | 0.50 | 5.6 | 2.72- 11.40 | 0.51 |
| Malnutrition | 0 | NA- 3.2031E+22 | 0.50 | 0 | 0- 1.22E+192 | 0.50 |
| Migraine | 0 | 0-0.25 | 0.51 | 0.3 | 0.04- 2.19 | 0.50 |
| Osteoporosis pagets | 2.0 | 0.94- 3.76 | 0.52 | 1.7 | 1.11- 2.55 | 0.51 |
| Pain | 1.3 | 0.88- 1.87 | 0.53 | 1.3 | 1.05- 1.61 | 0.53 |
| Inflammation pain | 0.4 | 0.26- 0.57 | 0.62 | 0.4 | 0.31- 0.48 | 0.62 |
| Pancreatic insufficiency | 0 | 0- 2.28 | 0.50 | 2.1 | 0.52- 8.50 | 0.50 |
| Parkinsons disease | 1.3 | 0.32- 3.48 | 0.50 | 1.7 | 0.94- 3.00 | 0.51 |
| Psoriasis | 2.2 | 0.36-6.89 | 0.51 | 0.7 | 0.17- 2.73 | 0.50 |
| Psychotic illness | 2.5 | 0.61- 6.63 | 0.51 | 1.8 | 0.86- 3.90 | 0.51 |
| Chronic airways disease | 1.3 | 0.73- 2.25 | 0.51 | 1.1 | 0.80- 1.57 | 0.51 |
| Smoking cessation | 0 | 0- 0.61 | 0.50 | 0.4 | 0.05- 2.55 | 0.50 |
| Steroid responsive diseases | 1.7 | 0.99- 2.80 | 0.53 | 1.5 | 1.14- 2.10 | 0.52 |
| Transplant | 0 | 0- 253.43 | 0.50 | 0 | 0- 1.94E+237 | 0.50 |
| Tuberculosis | 0 | NA-212367.77 | 0.50 | 0 | 0- 9.9E+177 | 0.50 |
| RcRiskV index | 1.210 | 1.135-1.290 | 0.661 | 1.161 | 1.118-1.205 | 0.619 |