***Supplementary Material***

Supplementary Table 1. ICD-10 codes used in the analysis of the study

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| --- | --- | --- |
| Comorbidity | ICD-10 | Weight |
| Myocardial infarction  | I21.x, I22.x, I25.2 | 1 |
| Congestive heart failure  | I09.9, I11.0, I13.0, I13.2, I25.5 ,I42.0, I42.5-9, I43.x, I50.x, P29.0  | 2 |
| Peripheral vascular disease  | I70.x, I71.x, I73.1, I73.8-9, I77.1, I79.0, I79.2, K55.1, K55.8-9, Z95.8-9  | 3 |
| Dementia  | F00.x-F03.x, F05.1, G30.x, G31.1  |
| Chronic pulmonary disease  | I27.8-9, J40.x-J47.x, J60.x-J67.x, J68.4, J70.1, J70.3  |
| Rheumatologic disease  | M05.x, M06.x, M31.5, M32.x-M34.x, M35.1, M35.3, M36.0  |
| Pepticulcer disease  | K25.x-K28.x  |
| Mildliver disease  | B18.x, K70.0-K70.3, K70.9, K71.3-K71.5, K71.7, K73.x, K74.x, K76.0, K76.2-4, K76.8-9, Z94.4  |
| Diabetes without chronic complication  | E10.0-1, E10.6, E10.8-9, E11.0-1, E11.6, E11.8-9, E12.0-1, E12.6, E12.8-9, E13.0-1, E13.6, E13.8-9, E14.0-1, E14.6, E14.8-9  |
| Diabetes with chronic complication  | E10.2-5, E10.7, E11.2-5, E11.7, E12.2-5, E12.7, E13.2-5, E13.7, E14.2-5, E14.7  |
| Hemiplegia or paraplegia  | G04.1, G11.4, G80.1-2, G81.x, G82.x, G83.0-4, G83.9  |
| Moderate or severe renal disease  | I12.0, I13.1, N03.2-7, N05.2-7, N18.x, N19.x, N25.0, Z49.0-2, Z94.0, Z99.2  |
| Any malignancy  | C00.x-C26.x, C30.x-C34.x, C37.x-C41.x, C43.x, C45.x-C58.x, C60.x-C76.x, C81.x-C85.x, C88.x, C90.x-C97.x  |
| Moderate or severe liver disease  | I85.0, I85.9, I86.4, I98.2, K70.4, K71.1, K72.1, K72.9, K76.5-7  |
| Metastatic solid tumor  | C77.x-C80.x |