

Supplementary Table 1. ICD-9-CM codes used to identify in the Spanish National Hospital Discharge Database (SNHDD) the clinical diagnosis included in the Charlson Comorbidity Index.

| CLINICAL DIAGNOSIS | ICD-9-CM codes* |
|----------------------------------|--|
| Acute Myocardial Infarction | 410.xx |
| Congestive Heart Failure | 398.91,402.01,402.11,402.91,404.01, 404.03,404.11,404.13,404.91,404.93,425.4–425.9, 428.x |
| Peripheral Vascular Disease | 0.93.0,473.3,440.x,441.x,443.1- 443.9,447.1,557.1,557.9,V43.4 |
| Cerebral-vascular Disease | 362.34, 430.x–438.x |
| Dementia | 290.x, 294.1, 331.2 |
| COPD | 416.8, 416.9, 490.x - 505.x, 506.4, 508.1, 508. |
| Rheumatoid Disease | 446.5, 710.0 - 710.4, 714.0 - 714.2, 714.8, 725.x |
| Peptic Ulcer | 531.x - 534.x |
| Mild Liver Disease | 070.22, 070.23, 070.32, 070.33, 070.44, 070.54, 070.6, 070.9, 570.x, 571.x, 573.3, 573.4, 573.8, 573.9, V42.7 |
| Diabetes | 250.0 - 250.3, 250.8, 250.9 |
| Diabetes with complications | 250.4 - 250.7 |
| Hemiplegia or Paraplegia | 334.1, 342.x, 343.x, 344.0 - 344.6, 344.9 |
| Chronic Renal Disease | 403.01, 403.11, 403.91, 404.02, 404.03, 404.12, 404.13, 404.92, 404.93, 582.x, 583.0 - 583.7, 585.x, 586.x, 588.0, V42.0, V45.1, V56.x |
| Cancer | 140.x - 172.x, 174.x - 195.8, 200.x - 208.x, 238.6 |
| Moderate or severe Liver Disease | 456.0 - 456.2, 572.2- 572.8 |
| Metastatic Cancer | 196.x - 199.x |
| AIDS | 042.x - 044.x |

*Coded in any diagnosis position (1-14) in the discharge report. Modified from Deyo et al.¹⁹

COPD, Chronic obstructive pulmonary disease.