

**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.

<b>CLINICAL DIAGNOSIS</b>	<b>ICD-9-CM codes*</b>
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.<sup>19</sup>

COPD, Chronic obstructive pulmonary disease.