**Supplementary Appendix**

**Table S1.** The list of ICD-10 codes used in the study

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| --- | --- |
| **Disease** | **ICD-10 codes** |
| MDD, single | F32\* |
| MDD, recurrent | F33\* |
| Malignant neoplasms | C\*, D00 – D09, D37 – D48 |
| Cardiovascular diseases, atherosclerosis and pulmonary embolism | I20 – I26, I60 – I69, I70, G45 |
| Hypertensive diseases | I10 – I15 |
| Acute lower respiratory infections | J09 – J22 |
| Bronchitis, emphysema, asthma | J40 – J46 |
| Diabetes mellitus | E10 – E14 |
| Liver disease, including viral hepatitis | B15 – B19, K70 – K77 |
| Epilepsy | G40, G41 |
| Substance use disorders | F10 – F19 |
| Anxiety and stressor-related disorders | F40 – F43 |
| Personality disorders | F60, F61 |
| Serious infections\* | A00 – A99, B00 – B09, B20 – B99 |
| Accidents and other external causes of morbidity† | S00 – S99, T00 – T98, V01 – V99, W00 – W99, X00 – X59, X85 – X99, Y01 – Y09 |
| Suicide attempt / self-harm† | X60 – X84, Y10 – Y34 |

\*The following comorbidities were only assessed in inpatient care (as primary reason for hospitalization and secondary diagnoses) and a single report of the code is sufficient.

†The following comorbidities were only assessed in inpatient care (as primary reason for hospitalization and secondary diagnoses) and in outpatient care and a single report of the code is sufficient.

Abbreviations: ICD-10, International Classification of Diseases Version 10; MDD, major depressive disorder.

When comorbidities were assessed, the patient needed to have at least 2 records of the codes in the inpatient, outpatient, or prescription dataset for the patient to be considered as having said comorbidity.