## Appendix

|  |
| --- |
| Diagnostic Codes for Primary Exposures and Outcomes and their Respective Data Sources within the Danish Population Registries. |
| Study variable | ICD-8 codes | ICD-10 codes | Data source |
| Schizophrenia | 295 | F20 | DPCRR, DNPR |
| Upper gastrointestinal bleeding (UGIB) | 53098, 53190, 53192, 53195, 53290, 53390, 53490, 53501, 78459, 78579 | K250, K252, K254, K256,K260, K262, K264, K266, K270, K272, K274, K276,K280, K282, K284, K286, K290, K920, K921, K922 | DNPR |
| Bleeding ulcers | 53190, 53192, 53195, 53290, 53390, 53490  | K250, K252, K254, K256, K260, K262, K264, K266, K270, K272, K274, K276, K280, K282, K284, K286 | DNPR |
| Non-bleeding ulcers | 53100, 53101, 53108, 53109, 53191, 53193, 53194, 53196, 53198, 53199, 53209, 53291, 53299, 53309, 53391, 53399, 53409, 53491, 53499 | K251, K253, K255, K257, K259, K261, K263, K265, K267, K269, K271, K273, K275, K277, K279, K281, K283, K285, K287, K289 | DNPR |
| Abbreviations: DPCRR, Danish Psychiatric Central Research Register; DNPR, Danish National Patient Registry |

|  |
| --- |
| Diagnostic Codes for Somatic and Psychiatric Comorbidities and their Respective Data Sources within the Danish Population Registries. |
| Study variable | ICD-8 codes | ICD-10 codes | Data source |
| Somatic comorbidity |
| Non-bleeding conditions including oesophagitis, gastritis, duodenitis, or Mallory– Weiss lesions | 530 except 53098, 535 except 53501 | K209, K21, K22, K23, K291–K299 | DNPR |
| Liver cirrhosis | 571, 573 | K70, K72-74, K76 | DNPR |
| Oesophageal varices | 45600-45609 | I85, I982 | DNPR |
| Alcoholism-related disorders other than mental, behavioural, or liver-related disorders (except alcoholic liver diseases which are included in the CCI and mental or behavioural disorders due to use of alcohol) (surrogate for alcoholism) | 303, 456, 57710, 979, 980 | G312, G621, G721, I426, K292, K860, Z721, R780, T51, Z714 | DNPR |
| Charlson Comorbidity index | See below | See below | DNPR |
| Psychiatric comorbidity |
| Depression | 296, 3004 | F32 | DPCRR, DNPR |
| Mental, behavioural disorders due to use of alcohol | 291, 303 | F10 |
| Mental, behavioural disorders due to use of substances other than alcohol | 304 | F11-F19 |
| Schizoaffective disorders | 297, 29839, 30183 | F21-F29 |
| Bipolar disorder | 29619, 29639 | F30-F31 |
| Other affective disorders | 29609, 29629, 29649-29699, 29809-29819, 30019, 30049 | F32-F39 |
| Anxiety disorders | 30009, 30029, 30039, 30059-30099 | F40-F42 |
| Post-traumatic stress disorder | None | F431 |
| Organic brain syndromes | 290, 292, 293, 294, 309 | F06, F07, F09 |
| Personality disorders | 301 | F60-F69 |
| Other and unspecified mental disorders | 299, 302, 305, 306, 307, 308 | F03-F05, F430, F432-F439, F44-F48, F50-F59, F70-F79, F80-F99 |
| Abbreviations: DPCRR, Danish Psychiatric Central Research Register; DNPR, Danish National Patient Registry |

**Charlson comorbidity index**

|  |  |  |  |
| --- | --- | --- | --- |
| Weight | Conditions | ICD-8 codes | ICD-10 codes |
| 1 | Myocardial infarction | 410 | I21, I22, I23 |
|  | Congestive heart failure | 42709, 42710, 42711, 42719, 42899, 78249 | I50, I110, I130, I132 |
|  | Peripheral vascular disease | 440, 441, 442, 443, 444, 445 | I70, I71, I72, I73, I74, I77 |
|  | Cerebrovascular disease | 430-438 | I60-I69, G45, G46 |
|  | Dementia | 29009-29019, 29309 | F00-F03, F051, G30 |
|  | Chronic pulmonary disease | 490-493, 515-518 | J40-J47, J60-J67, J684, J701, J703, J841, J920, J961, J982, J983 |
|  | Connective tissue disease | 712, 716, 734, 446, 13599 | M05, M06, M08, M09, M30, M31, M32, M33, M34, M35, M36, D86 |
|  | Ulcer disease | 53091, 53098, 531-534 | K221, K25-K28 |
|  | Mild liver disease | 571; 573.01; 573.04 | B18; K70.0-K70.3; K70.9; K71; K73; K74; K76.0 |
|  | Diabetes mellitus  | 249.00; 249.06; 249.07; 249.09 250.00; 250.06; 250.07; 250.09 | E10.0, E10.1; E10.9E11.0; E11.1; E11.9 |
| 2 | Diabetes with end organ damage | 249.01-249.05; 249.08250.01-250.05; 250.08 | E10.2-E10.8, E11.2-E11.8 |
|  | Hemiplegia | 344 | G81; G82 |
|  | Severe renal disease | 403; 404; 580-583; 584; 590.09; 593.19; 753.10-753.19; 792 | I12; I13; N00-N05; N07; N11; N14; N17-N19; Q61 |
|  | Non-metastatic cancer | 140-194 | C00-C75 |
|  | Leukaemia | 204-207  | C91-C95 |
|  | Lymphoma | 200-203; 275.59 | C81-C85; C88; C90; C96 |
| 3 | Severe liver disease | 070.00; 070.02; 070.04; 070.06; 070.08; 573.00; 456.00-456.09 | B15.0; B16.0; B16.2; B19.0; K70.4; K72; K76.6; I85 |
| 6 | Metastatic solid tumour | 195-198; 199 | C76-C80 |
|  | AIDS | 079.83 | B21-B24 |

|  |
| --- |
| Medication Codes for Study Variables and their Data Source within the Danish Population Registries. |
| Study variable | ATC codes | Data source |
| Aspirin 75– 150 mg | B01AC06 | DNHSPD |
| Aspirin 100–500 mg | N02BA01, N02BA51 |
| Non-aspirin NSAIDs | M01A (this includes Cox-2 inhibitors M01AH) |
| Glucocorticoids | H02AB |
| Proton pump inhibitors | A02BC01, A02BC02, A02BC03, A02BC04, A02BC05 |
| H2-antagonists | A02BA01, A02BA02, A02BA03, A02BA04, A02BA07 |
| SSRIs | N06AB |
| Antidepressants | N06A except N06AB |
| Antipsychotics (atypical) | N05AE04, N05AH02, N05AH03, N05AH04, N05AX08, N05AX12 |
| Antipsychotics (other) | N05A (excluding N05A codes used for atypical antipsychotics) |
| Antiplatelets (antithrombotics) | B01A |
| Thiazolidinediones | A10BG |
| Other oral hypoglycaemic agents | A10B except A10BG |
| Anticonvulsants | N03 |
| Abbreviations: ATC, Anatomical Therapeutic Chemical; DNHSPD, Danish National Health Service Prescription Database |