

**Supplementary Table 1. Comorbid condition definitions and diagnosis codes**

| Condition                 | ICD-10 codes   |
|---------------------------|--|
| Hypertension              | I10, I11, I12, I13, I15  |
| Dyslipidemia              | E78  |
| Cerebrovascular diseases  | I60, I61, I62, I63, I64, I69   |
| Ischemic heart diseases   | I20-I25  |
| Heart failure             | I50, I110, I130, I132  |
| Chronic kidney disease    | N18, N19   |
| Chronic liver disease     | B18, K70, K71.3-5, K71.7, K72.1, K72.9, K73, K74, K76  |
| Dementia                  | F00, F01, F02, F03   |
| Cancer                    | Cxx.x  |
| Alcohol-related disorders | E24.4, E52, F10.x, G31.2, G62.1, G72.1, I42.6, K29.2, K70.x, K85.2, K86.0, R78.0, T51.9, Z71.4, Z72.1, Z86.4 |

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