**Supplementary Table 1. Descriptive statistics of biochemistry at the baseline when**

**Acamprosate® was initiated**

|  |  |  |  |
| --- | --- | --- | --- |
| **Predictor** | **Reference range**  | **Mean (SD)** | ***p*-value** |
| *ALT* | F: ≤ 34 IU/LM: ≤ 45 IU/L | 45 (2.9)57 (3.4) | 0.125 |
| *AST* | F: 6-34 IU/LM: 8-40 IU/L | 48 (1.2)57 (3.5) | 0.634 |
| *GGT* | F: 5-55 IU/LM: 15-85 IU/L | 78 (6.5)97 (2.4) | 0.769 |

ALT=ALanine aminotransferase; AST=ASpartate aminotransferase; γGT=Gamma-Glutamyl Transferase; SD= Standard Deviation; *p*= <0.05

**Supplementary Table 2. Characteristics of individuals who died within 1 year of starting Acamprosate®.**

|  |  |  |
| --- | --- | --- |
|  | **Total number and****characteristics of individuals****prescribed Acamprosate®** | **Individuals prescribed** **Acamprosate® and died within** **one year of the study** |
| **Number** | 3319 | 252 |
| **Mean Age (SD)** | 48.41 (11.8) | 49.93 (12.1) |
| **Males** | 2047 (61.0%) | 179 (71.0%) |
| **Females** | 1272 (39.0%) | 72 (28.6%) |
| **SIMD****1****2****3****4****5** | 529 (16.0%)471 (14.0%)430 (12.6%)374 (10.6%)237 (8.0%)1176 (35.5%) | 88 (34.9%)65 (25.8%)41 (16.3%)23 (11.6%)28 (6.0%) |
| **Adherence****Low****Good** |  2732 (87.0%) 587 (13.0%) |  217 (86.2%)35 (13.8%) |
| **Alcohol** **Direct****Not Direct** | 198 (31.0%)323 (69.0%) | 101 (40.8%)151 (59.2%) |

SD= Standard Deviation; SUIMD= Scottish Index of Multiple Deprivation

**Supplementary Table 3. Multivariate association between covariates and all cause**

**mortality.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Predictor** | **HR**  | **95% CI** | ***p*-value** |
| *Age*  | 1.15 | 1.05-1.27 | ***<0.001*** |
| *Sex*MF | 0.0820.104 | 0.013-0.530.02-0.67 | 0.0010.0270.046 |
| *SIMD* | 1.125 | 1.02-1.24 | <0.05 |
| *Low Adherence* | 1.2 | 1.03-1.4 | ***<0.001*** |
| *Due to Alcohol* | 0.99 | 0.86-1.2 | 0.957 |
| *Number of other**medications**0**1-2**3-5**6+* | 1.00.750.560.44 | 0.46-1.230.22-1.220.16-1.18 | n.s.n.s.n.s. |

n.s.= not significant; M=Male; F=Female; SIMD= Scottish Index of Multiple Deprivation

HR=Hazard Ratio; CI= Confidence Interval