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| --- | --- | --- | --- | --- | --- | --- |
| **Supplementary Table 8. Associations between the risk of incident cirrhosis and genetic risk categories** | | | | | | |
| **Polygenic risk score** | **No. of Cases** | **Person-years** | **Univariable Model** | | **Multivariable Modela** | |
| **HR (95% CI)** | ***p* value** | **HR (95% CI)** | ***p* value** |
| **Cirrhosis** | | | | | | |
| Low | 410 | 1,082,888 | 1.00 [Reference] | Reference | 1.00 [Reference] | Reference |
| Intermediate | 1,478 | 3,284,761 | 1.19 (1.07-1.33) | 0.002 | 1.18 (1.06-1.32) | 0.003 |
| High | 793 | 1,090,829 | 1.92 (1.71-2.16) | < 2E-16 | 1.94 (1.72-2.19) | < 2E-16 |
| ***P* for trend** |  |  |  | < 2E-16 |  | < 2E-16 |
| **Compensated cirrhosis** | | | | | | |
| Low | 237 | 1,083,378 | 1.00 [Reference] | Reference | 1.00 [Reference] | Reference |
| Intermediate | 975 | 3,286,402 | 1.36 (1.18-1.56) | 2.60E-05 | 1.35 (1.17-1.56) | 3.04E-05 |
| High | 563 | 1,091,505 | 2.36 (2.03-2.75) | < 2E-16 | 2.39 (2.06-2.79) | < 2E-16 |
| ***P* for trend** |  |  |  | < 2E-16 |  | < 2E-16 |
| **Decompensated cirrhosis** | | | | | | |
| Low | 269 | 1,083,496 | 1.00 [Reference] | Reference | 1.00 [Reference] | Reference |
| Intermediate | 929 | 3,287,006 | 1.14 (0.99-1.30) | 0.061 | 1.13 (0.99-1.30) | 0.071 |
| High | 508 | 1,092,006 | 1.87 (1.62-2.17) | < 2E-16 | 1.89 (1.63-2.20) | < 2E-16 |
| ***P* for trend** |  |  |  | < 2E-16 |  | < 2E-16 |
| *Definition of abbreviations*: HR, hazard ratio; 95% CI, 95% confidence interval. | | | | | | |
| a Estimates were adjusted for age, age2, sex, smoking status, drinking status, the top 10 principal components of ancestry and genotyping batch. | | | | | | |