**Supplementary Table 3. Liver related mortality by fatty liver disease category and degree of fibrosis based on FIB-4 and APRI after including 217 participants with history of liver cirrhosis or findings of liver cirrhosis on ultrasound**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Fatty liver categories | Person-years | No. of events | Mortality rate (per 105 PY) | Sex-adjusted HR  (95% CI) | Multivariable-adjusted HRa (95% CI) | | HR (95% CI)b  in the model using time-dependent variables |
| Model 1 | Model 2 |
| No EAC/ no FLD | 2,159,572.7 | 47 | 2.2 | 1.00 (reference) | 1.00 (reference) | 1.00 (reference) | 1.00 (reference) |
| Based on **FIB-4** |  |  |  |  |  |  |  |
| **NAFLD** |  |  |  |  |  |  |  |
| Low FIB-4 | 628,759.9 | 10 | 1.6 | 0.64 (0.32-1.27) | 0.65 (0.32-1.34) | 0.54 (0.25-1.20) | 0.40 (0.18-0.88) |
| Intermediate FIB-4 | 50,695.6 | 8 | 15.8 | 1.29 (0.59-2.79) | 1.35 (0.61-2.99) | 1.20 (0.52-2.81) | 2.62 (1.19-5.79) |
| High FIB-4 | 1,789.1 | 8 | 447.2 | 27.79 (12.13-63.62) | 29.51 (12.51-69.61) | 25.36 (10.55-60.94) | 81.11 (37.55-175.19) |
| **AFLD** |  |  |  |  |  |  |  |
| Low FIB-4 | 91,213.3 | 3 | 3.3 | 1.22 (0.37-3.99) | 1.06 (0.32-3.56) | 1.01 (0.30-3.45) | 0.62 (0.19-2.08) |
| Intermediate FIB-4 | 12,971.3 | 7 | 54.0 | 4.79 (2.10-10.92) | 4.15 (1.78-9.67) | 3.71 (1.53-8.96) | 5.13 (2.07-12.67) |
| High FIB-4 | 1,476.2 | 9 | 609.7 | 41.74 (19.59-88.94) | 30.54 (14.04-66.43) | 25.86 (11.19-59.77) | 55.97 (26.36-118.86) |
| Based on **APRI** |  |  |  |  |  |  |  |
| **NAFLD** |  |  |  |  |  |  |  |
| Low APRI | 634,825.9 | 13 | 2.1 | 0.63 (0.34-1.17) | 0.66 (0.34-1.25) | 0.60 (0.30-1.20) | 0.60 (0.31-1.17) |
| Intermediate APRI | 45,447.5 | 9 | 2.0 | 5.51 (2.69-11.27) | 5.80 (2.70-12.48) | 5.19 (2.30-11.71) | 6.88 (3.18-14.91) |
| High APRI | 1,014.0 | 4 | 394.5 | 129.43 (45.94-364.66) | 129.48 (45.01-372.50) | 108.42 (36.19-324.76) | 108.76 (37.71-313.65) |
| **AFLD** |  |  |  |  |  |  |  |
| Low APRI | 93,085.5 | 6 | 6.5 | 1.78 (0.75-4.24) | 1.59 (0.65-3.89) | 1.59 (0.64-3.96) | 0.81 (0.28-2.34) |
| Intermediate APRI | 11,876.4 | 7 | 58.9 | 11.42 (5.06-25.76) | 9.36 (4.01-21.86) | 8.64 (3.55-21.05) | 13.03 (5.94-28.58) |
| High APRI | 705.5 | 6 | 850.4 | 116.23 (48.44-278.90) | 86.20 (35.10-211.71) | 79.80 (29.77-213.95) | 96.98 (39.43-238.52) |

aCox proportional hazard models with age as a time-scale were used to estimate hazard ratios (HRs) and 95 percent confidence intervals (95% CIs). Model 1 was adjusted for sex, year of screening exam, center, BMI, smoking status, regular exercise, educational level, history of diabetes, and history of hypertension; model 2 was model 1 plus adjustment for LDL-cholesterol, HDL-cholesterol, triglycerides, systolic blood pressure, glucose, HOMA-IR, and hsCRP.

bEstimated from Cox proportional hazard models with age as a time-scale after adjusting for sex, center, year of screening exam, education level, history of diabetes, history of hypertension, and other covariates (smoking status, regular exercise, and BMI) over time as time-dependent variables.

Abbreviations: AFLD, alcoholic fatty liver disease; APRI, aspartate transaminase to platelet ratio index; BMI, body mass index; hsCRP, high sensitivity C-reactive protein; HOMA-IR, homeostasis model assessment of insulin resistance; NAFLD, nonalcoholic fatty liver disease; PY, person-years.