

Supplemental Table S2. HR and 95% CI for Diabetes According to Quartile of Baseline γ -GTP Level in Subgroups (Men)

| | | Quartile | No. | No. of events | IR* | HR (95% CI) | P for interaction |
|------------------------|---------|----------|---------|---------------|-------|------------------|-------------------|
| Age, yr | <40 | Q1–Q3 | 83,013 | 1,347 | 1.74 | 1 (Ref) | <0.001 |
| | | Q4 | 25,983 | 1,700 | 7.16 | 2.12 (1.96–2.29) | |
| | 40–64 | Q1–Q3 | 104,517 | 4,674 | 4.87 | 1 (Ref) | |
| | | Q4 | 38,156 | 4,154 | 12.26 | 1.75 (1.68–1.83) | |
| | ≥65 | Q1–Q3 | 3,478 | 347 | 11.61 | 1 (Ref) | |
| | | Q4 | 723 | 124 | 21.37 | 1.57 (1.26–1.95) | |
| Smoking | No, Ex | Q1–Q3 | 111,313 | 3,580 | 3.48 | 1 (Ref) | 0.979 |
| | | Q4 | 30,723 | 2,706 | 9.80 | 1.85 (1.76–1.95) | |
| | Current | Q1–Q3 | 79,695 | 2,788 | 3.79 | 1 (Ref) | |
| | | Q4 | 34,139 | 3,272 | 10.69 | 1.85 (1.75–1.95) | |
| Alcohol consumption | No | Q1–Q3 | 66,595 | 2,710 | 4.43 | 1 (Ref) | 0.289 |
| | | Q4 | 12,380 | 1,437 | 13.10 | 1.88 (1.76–2.02) | |
| | Yes | Q1–Q3 | 124,413 | 3,658 | 3.18 | 1 (Ref) | |
| | | Q4 | 52,482 | 4,541 | 9.61 | 1.84 (1.76–1.93) | |
| Physical activity | No | Q1–Q3 | 148,982 | 4,818 | 3.50 | 1 (Ref) | 0.025 |
| | | Q4 | 52,243 | 4,764 | 10.15 | 1.89 (1.81–1.97) | |
| | Yes | Q1–Q3 | 42,026 | 1,550 | 4.00 | 1 (Ref) | |
| | | Q4 | 12,619 | 1,214 | 10.75 | 1.78 (1.64–1.93) | |
| BMI, kg/m ² | <25 | Q1–Q3 | 140,253 | 3,294 | 2.54 | 1 (Ref) | <0.001 |
| | | Q4 | 33,111 | 2,042 | 6.80 | 1.95 (1.84–2.07) | |
| | ≥25 | Q1–Q3 | 50,755 | 3,074 | 6.62 | 1 (Ref) | |
| | | Q4 | 31,751 | 3,936 | 13.96 | 1.74 (1.66–1.83) | |
| Hypertension | No | Q1–Q3 | 163,478 | 4,399 | 2.90 | 1 (Ref) | <0.001 |
| | | Q4 | 48,712 | 3,817 | 8.66 | 1.95 (1.86–2.04) | |
| | Yes | Q1–Q3 | 27,530 | 1,969 | 7.91 | 1 (Ref) | |
| | | Q4 | 16,150 | 2,161 | 15.28 | 1.60 (1.50–1.70) | |
| Dyslipidemia | No | Q1–Q3 | 173,685 | 5,252 | 3.27 | 1 (Ref) | 0.007 |
| | | Q4 | 52,194 | 4,325 | 9.20 | 1.88 (1.81–1.97) | |
| | Yes | Q1–Q3 | 17,323 | 1,116 | 7.09 | 1 (Ref) | |
| | | Q4 | 12,668 | 1,653 | 14.77 | 1.71 (1.58–1.85) | |
| ALT, IU/L | <40 | Q1–Q3 | 177,207 | 5,398 | 3.30 | 1 (Ref) | 0.053 |
| | | Q4 | 41,758 | 3,060 | 8.10 | 1.61 (1.54–1.69) | |
| | ≥40 | Q1–Q3 | 13,801 | 970 | 7.71 | 1 (Ref) | |
| | | Q4 | 23,104 | 2,918 | 14.30 | 1.56 (1.45–1.69) | |
| AST, IU/L | <40 | Q1–Q3 | 186,239 | 6,105 | 3.55 | 1 (Ref) | 0.076 |
| | | Q4 | 55,110 | 4,573 | 9.20 | 1.71 (1.64–1.78) | |
| | ≥40 | Q1–Q3 | 4,769 | 263 | 6.05 | 1 (Ref) | |
| | | Q4 | 9,752 | 1,405 | 16.55 | 2.08 (1.81–2.38) | |
| IFG | No | Q1–Q3 | 145,260 | 2,805 | 2.08 | 1 (Ref) | <0.001 |
| | | Q4 | 42,950 | 2,345 | 5.98 | 2.10 (1.98–2.23) | |
| | Yes | Q1–Q3 | 45,748 | 3,563 | 8.61 | 1 (Ref) | |
| | | Q4 | 21,912 | 3,633 | 19.15 | 1.70 (1.62–1.79) | |

Adjusted for age, sex, body mass index, income status, alcohol drinking, smoking, regular exercise, fasting blood glucose hypertension, dyslipidemia, and chronic kidney disease.

HR, hazard ratio; CI, confidence interval; γ -GTP, gamma-glutamyl transferase; IR, incidence rate; BMI, body mass index; ALT, alanine aminotransferase; AST, aspartate aminotransferase; IFG, impaired fasting glucose.

*Per 1,000 person-years.