

Supplementary Table 5. HRs and 95% CIs for the incidence of myocardial infarction, stroke, and all-cause death during follow-up according to the ranges of LDL-C level among older adults with low HDL-C level^a

| Variable | Ranges of LDL-C, mg/dL | | | | | |
|-------------------------------------|--------------------------|--------------------------------|---------------------------------|-----------------------------------|----------------------------------|-----------------------------|
| | LDL-C <55 (n = 7,133) | 55 ≤ LDL-C <70 (n = 15,285) | 70 ≤ LDL-C <100 (n = 83,538) | 100 ≤ LDL-C <130 (n = 132,602) | 130 ≤ LDL-C <160 (n = 97,360) | 160 ≤ LDL-C (n = 49,965) |
| Myocardial infarction | | | | | | |
| No. of events | 254 | 558 | 3,273 | 5,252 | 4,233 | 2,456 |
| Follow-up duration, person-years | 52,461.96 | 112,814 | 624,338.05 | 1,005,016.83 | 742,945.34 | 382,100.88 |
| Incidence rate, /1,000 person-years | 4.84 | 4.95 | 5.24 | 5.23 | 5.7 | 6.43 |
| HR (95% CI) in model 1 | 0.84 (0.74–0.95) | 0.88 (0.81–0.96) | 0.97 (0.92–1.10) | 1 (reference) | 1.14 (1.09–1.18) | 1.33 (1.26–1.39) |
| HR (95% CI) in model 2 | 0.82 (0.72–0.93) | 0.87 (0.80–0.95) | 0.96 (0.92–1.00) | 1 (reference) | 1.14 (1.10–1.19) | 1.34 (1.28–1.40) |
| Stroke | | | | | | |
| No. of events | 474 | 913 | 5,241 | 8,429 | 6,551 | 3,365 |
| Follow-up duration, person-years | 51,826.3 | 11,747.41 | 618,277.63 | 994,570.24 | 734,739.07 | 379,018.56 |
| Incidence rate, /1,000 person-years | 9.15 | 8.17 | 8.48 | 8.48 | 8.92 | 8.88 |
| HR (95% CI) in model 1 | 0.97 (0.88–1.06) | 0.90 (0.84–0.96) | 0.96 (0.93–1.00) | 1 (reference) | 1.10 (1.07–1.14) | 1.15 (1.10–1.19) |
| HR (95% CI) in model 2 | 0.96 (0.87–1.05) | 0.89 (0.84–0.96) | 0.96 (0.93–0.99) | 1 (reference) | 1.11 (1.07–1.14) | 1.15 (1.11–1.14) |
| All-cause death | | | | | | |
| No. of events | 1,567 | 3,146 | 15,458 | 21,833 | 14,998 | 7,546 |
| Follow-up duration, person-years | 58,823.71 | 126,603.28 | 702,669.36 | 1,132,290.28 | 839,029.6 | 432,743.26 |
| Incidence rate, /1,000 person-years | 26.64 | 24.85 | 22 | 19.28 | 17.88 | 17.44 |
| HR (95% CI) in model 1 | 1.23 (1.17–1.30) | 1.20 (1.15–1.24) | 1.08 (1.06–1.10) | 1 (reference) | 1.01 (0.99–1.03) | 1.08 (1.05–1.11) |
| HR (95% CI) in model 2 | 1.22 (1.16–1.29) | 1.19 (1.15–1.24) | 1.07 (1.05–1.10) | 1 (reference) | 1.01 (0.99–1.03) | 1.08 (1.05–1.11) |

Model 1: adjusted for age, sex, body mass index, current smoking, heavy alcohol consumption, regular exercise, low-income status, diabetes, hypertension, and statin use; Model 2: adjusted for Model 1 plus Charlson Comorbidity Index. To account for the changes in LDL-C level and statin use during the follow-up period, a time-dependent Cox regression analysis was performed calculating the HRs for outcomes.

HR, hazard ratio; CI, confidence interval; LDL-C, low-density lipoprotein cholesterol; HDL-C, high-density lipoprotein cholesterol.

^aLow HDL-C level: defined as HDL-C level <40 mg/dL in men and <50 mg/dL in women.