

Supplementary Table 7. 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 individuals aged ≥ 75 years

Variable	Ranges of LDL-C, mg/dL						
	LDL-C <55 (n=4,804)	55 ≤ LDL-C <70 (n=10,015)	70 ≤ LDL-C <100 (n=55,449)	100 ≤ LDL-C <130 (n=83,294)	130 ≤ LDL-C <160 (n=57,390)	160 ≤ LDL-C (n=28,592)	
Myocardial infarction							
No. of events	253	530	3,022	4,508	3,373	1,882	
Follow-up duration, person-years	31,543.62	66,677.45	378,572.15	585,679.29	410,357.86	205,282.59	
Incidence rate, /1,000 person-years	8.02	7.95	7.98	7.70	8.22	9.17	
HR (95% CI) in model 1	0.97 (0.86–1.11)	0.98 (0.90–1.08)	1.01 (0.97–1.06)	1 (reference)	1.10 (1.05–1.15)	1.26 (1.19–1.33)	
HR (95% CI) in model 2	0.96 (0.85–1.10)	0.97 (0.89–1.07)	1.01 (0.96–1.06)	1 (reference)	1.10 (1.06–1.15)	1.27 (1.20–1.34)	
HR (95% CI) in model 3	0.92 (0.81–1.05)	0.96 (0.88–1.05)	1.01 (0.96–1.05)	1 (reference)	1.10 (1.05–1.15)	1.25 (1.19–1.32)	
HR (95% CI) in model 4	0.93 (0.82–1.06)	0.96 (0.88–1.05)	1.07 (0.96–1.05)	1 (reference)	1.10 (1.05–1.15)	1.26 (1.19–1.33)	
Stroke							
No. of events	433	878	5,144	7,962	5,659	3,048	
Follow-up duration, person-years	30,987.1	65,636.39	372,581.17	574,776.21	402,920.47	201,276.73	
Incidence rate, /1,000 person-years	13.97	13.38	13.81	13.85	14.05	15.14	
HR (95% CI) in model 1	0.94 (0.85–1.04)	0.93 (0.86–0.99)	0.98 (0.94–1.01)	1 (reference)	1.04 (1.01–1.08)	1.16 (1.11–1.21)	
HR (95% CI) in model 2	0.94 (0.85–1.03)	0.92 (0.86–0.99)	0.98 (0.94–1.01)	1 (reference)	1.05 (1.01–1.08)	1.16 (1.12–1.21)	
HR (95% CI) in model 3	0.89 (0.81–0.99)	0.91 (0.85–0.98)	0.97 (0.94–1.01)	1 (reference)	1.04 (1.01–1.08)	1.15 (1.10–1.20)	
HR (95% CI) in model 4	0.90 (0.82–0.99)	0.91 (0.85–0.98)	0.97 (0.94–1.01)	1 (reference)	1.04 (1.01–1.08)	1.15 (1.11–1.20)	
All-cause death							
No. of events	2,327	4,643	23,690	32,529	20,837	10,127	
Follow-up duration, person-years	34,687.25	73,550.52	419,043.31	650,006.52	457,068.19	229,553.98	
Incidence rate, /1,000 person-years	67.09	63.13	56.53	50.04	45.59	44.12	
HR (95% CI) in model 1	1.23 (1.18–1.28)	1.18 (1.15–1.22)	1.07 (1.06–1.09)	1 (reference)	0.98 (0.97–1.00)	1.03 (1.01–1.06)	
HR (95% CI) in model 2	1.22 (1.17–1.28)	1.18 (1.14–1.21)	1.07 (1.05–1.09)	1 (reference)	0.99 (0.97–1.00)	1.04 (1.01–1.06)	
HR (95% CI) in model 3	1.22 (1.17–1.27)	1.17 (1.14–1.21)	1.07 (1.05–1.09)	1 (reference)	0.99 (0.97–1.00)	1.04 (1.01–1.06)	
HR (95% CI) in model 4	1.24 (1.19–1.29)	1.18 (1.14–1.22)	1.07 (1.05–1.09)	1 (reference)	0.99 (0.97–1.00)	1.04 (1.02–1.06)	

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; Model 3: adjusted for Model 2 plus triglyceride level; Model 4: adjusted for Model 3 plus high-density lipoprotein cholesterol level. 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.