

Supplemental Table S2. Incidence and Risk of Study Outcomes in the Low HDL-C Group and the Quartile Groups of HDL-C According to Sex

Variable	Number	Event	IR ^a	HR (95% CI)			
				Model 1 ^b	Model 2 ^c	Model 3 ^d	Model 4 ^e
Myocardial infarction							
Male							
Normal HDL-C	4,196,294	41,530	1.21	1 (ref)	1 (ref)	1 (ref)	1 (ref)
Low HDL-C	666,752	9,954	1.83	1.52 (1.48–1.55)	1.38 (1.35–1.41)	1.28 (1.25–1.30)	1.22 (1.19–1.25)
Female							
Normal HDL-C	2,796,082	18,532	0.80	1 (ref)	1 (ref)	1 (ref)	1 (ref)
Low HDL-C	1,006,713	11,415	1.37	1.70 (1.67–1.74)	1.15 (1.13–1.18)	1.10 (1.07–1.13)	1.06 (1.03–1.08)
Male							
Q1	1,245,420	17,043	1.67	1.52 (1.49–1.56)	1.45 (1.41–1.48)	1.32 (1.29–1.35)	1.26 (1.22–1.29)
Q2	1,145,832	12,133	1.29	1.17 (1.14–1.20)	1.19 (1.16–1.22)	1.14 (1.11–1.17)	1.10 (1.08–1.13)
Q3	1,217,341	11,021	1.10	1.00 (0.98–1.03)	1.05 (1.02–1.07)	1.03 (1.00–1.05)	1.01 (0.98–1.04)
Q4	1,254,453	11,287	1.10	1 (ref)	1 (ref)	1 (ref)	1 (ref)
<i>P</i> value				<0.001	<0.001	<0.001	<0.001
Female							
Q1	910,501	10,551	1.40	2.18 (2.11–2.25)	1.24 (1.20–1.28)	1.16 (1.12–1.20)	1.10 (1.06–1.14)
Q2	992,323	8,111	0.99	1.54 (1.49–1.60)	1.12 (1.08–1.16)	1.08 (1.04–1.12)	1.06 (1.02–1.09)
Q3	976,863	6,405	0.79	1.24 (1.19–1.29)	1.06 (1.02–1.10)	1.04 (1.01–1.08)	1.03 (1.00–1.07)
Q4	923,108	4,880	0.64	1 (ref)	1 (ref)	1 (ref)	1 (ref)
<i>P</i> value				<0.001	<0.001	<0.001	<0.001
Stroke							
Male							
Normal HDL-C	4,196,294	54,791	1.59	1 (ref)	1 (ref)	1 (ref)	1 (ref)
Low HDL-C	666,752	11,492	2.11	1.33 (1.30–1.35)	1.18 (1.16–1.20)	1.11 (1.09–1.14)	1.08 (1.06–1.10)
Female							
Normal HDL-C	2,796,082	26,979	1.17	1 (ref)	1 (ref)	1 (ref)	1 (ref)
Low HDL-C	1,006,713	17,734	2.14	1.83 (1.79–1.86)	1.16 (1.14–1.19)	1.10 (1.08–1.13)	1.06 (1.04–1.09)
Male							
Q1	1,245,420	20,093	1.97	1.25 (1.23–1.28)	1.19 (1.16–1.21)	1.12 (1.10–1.15)	1.08 (1.06–1.10)
Q2	1,145,832	15,153	1.61	1.02 (1.00–1.05)	1.06 (1.03–1.08)	1.04 (1.01–1.06)	1.01 (0.99–1.04)
Q3	1,217,341	14,888	1.49	0.95 (0.93–0.97)	1.01 (0.99–1.03)	1.01 (0.99–1.03)	0.99 (0.97–1.02)
Q4	1,254,453	16,149	1.57	1 (ref)	1 (ref)	1 (ref)	1 (ref)
<i>P</i> value				<0.001	<0.001	<0.001	<0.001
Female							
Q1	910,501	16,440	2.19	2.37 (2.30–2.43)	1.23 (1.20–1.26)	1.14 (1.11–1.18)	1.09 (1.06–1.12)
Q2	992,323	11,950	1.46	1.58 (1.53–1.62)	1.09 (1.06–1.12)	1.05 (1.02–1.08)	1.03 (1.00–1.06)
Q3	976,863	9,287	1.15	1.25 (1.21–1.29)	1.04 (1.01–1.07)	1.02 (0.99–1.06)	1.02 (0.98–1.05)
Q4	923,108	7,036	0.92	1 (ref)	1 (ref)	1 (ref)	1 (ref)
<i>P</i> value				<0.001	<0.001	<0.001	<0.001

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Supplemental Table S2. Continue

Variable	Number	Event	IR ^a	HR (95% CI)			
				Model 1 ^b	Model 2 ^c	Model 3 ^d	Model 4 ^e
All-cause mortality							
Male							
Normal HDL-C	4,196,294	140,198	4.05	1 (ref)	1 (ref)	1 (ref)	1 (ref)
Low HDL-C	666,752	28,232	5.15	1.27 (1.25–1.29)	1.12 (1.10–1.13)	1.17 (1.16–1.19)	1.17 (1.15–1.18)
Female							
Normal HDL-C	2,796,082	45,585	1.96	1 (ref)	1 (ref)	1 (ref)	1 (ref)
Low HDL-C	1,006,713	30,294	3.62	1.84 (1.81–1.86)	1.09 (1.08–1.11)	1.10 (1.08–1.12)	1.11 (1.10–1.13)
Male							
Q1	1,245,420	48,209	4.70	1.04 (1.03–1.06)	0.99 (0.97–1.00)	1.09 (1.07–1.10)	1.10 (1.09–1.12)
Q2	1,145,832	36,536	3.86	0.86 (0.85–0.87)	0.89 (0.88–0.90)	0.97 (0.95–0.98)	0.99 (0.98–1.00)
Q3	1,217,341	37,216	3.70	0.82 (0.81–0.83)	0.89 (0.87–0.90)	0.94 (0.93–0.95)	0.96 (0.95–0.97)
Q4	1,254,453	46,469	4.51	1 (ref)	1 (ref)	1 (ref)	1 (ref)
<i>P</i> value				<0.001	<0.001	<0.001	<0.001
Female							
Q1	910,501	28,066	3.71	2.26 (2.21–2.31)	1.06 (1.04–1.08)	1.09 (1.06–1.11)	1.11 (1.09–1.14)
Q2	992,323	19,659	2.38	1.46 (1.42–1.49)	0.95 (0.93–0.97)	0.98 (0.96–1.01)	1.00 (0.98–1.03)
Q3	976,863	15,646	1.93	1.18 (1.15–1.21)	0.95 (0.93–0.98)	0.98 (0.95–1.00)	0.99 (0.97–1.01)
Q4	923,108	12,508	1.63	1 (ref)	1 (ref)	1 (ref)	1 (ref)
<i>P</i> value				<0.001	<0.001	<0.001	<0.001

HDL-C, high-density lipoprotein cholesterol; IR, incidence rate; HR, hazard ratio; CI, confidence interval; Q, quartile.

^aIncidence per 1,000 person-years; ^bModel 1 was unadjusted; ^cModel 2 was adjusted for age and sex; ^dModel 3 was adjusted for age, sex, smoking status, alcohol consumption, physical activity, income, body mass index, hypertension, diabetes mellitus, and estimated glomerular filtration rate; ^eModel 4 was adjusted for age, sex, smoking status, alcohol consumption, physical activity, income, body mass index, hypertension, diabetes mellitus, estimated glomerular filtration rate, low-density lipoprotein cholesterol, and triglycerides.