

Supplementary Table 5. Hazard ratios and 95% confidence intervals for incident heart failure according to the duration of diabetes and LDL-C level (excluding IHD, MI, and stroke)

DM duration	LDL-C, mg/dL	Number	No. of events	Incidence rate ^a	Model 1	Model 2	Model 3	Model 4
New-onset	<70	53,011	2,387	12.01	1 (ref.)	1 (ref.)	1 (ref.)	1 (ref.)
	70–99	145,136	5,152	9.37	0.78 (0.74–0.82)	0.83 (0.79–0.87)	0.85 (0.81–0.90)	0.84 (0.80–0.88)
	100–129	215,192	6,657	8.14	0.68 (0.65–0.71)	0.76 (0.73–0.80)	0.80 (0.76–0.84)	0.77 (0.74–0.81)
	130–159	163,055	4,634	7.48	0.62 (0.59–0.65)	0.73 (0.70–0.77)	0.77 (0.73–0.81)	0.75 (0.71–0.78)
	≥160	97,118	2,844	7.73	0.64 (0.61–0.68)	0.78 (0.74–0.83)	0.82 (0.77–0.86)	0.80 (0.76–0.85)
<5 years	<70	109,818	5,118	12.15	1 (ref.)	1 (ref.)	1 (ref.)	1 (ref.)
	70–99	180,791	8,354	11.94	0.98 (0.95–1.02)	0.97 (0.94–1.00)	0.98 (0.94–1.01)	0.96 (0.93–0.99)
	100–129	159,612	7,140	11.50	0.94 (0.91–0.98)	0.96 (0.93–0.99)	0.97 (0.93–1.00)	0.93 (0.90–0.97)
	130–159	90,949	3,819	10.77	0.88 (0.85–0.92)	0.94 (0.90–0.98)	0.93 (0.90–0.97)	0.91 (0.87–0.95)
	≥160	48,427	2,021	10.75	0.88 (0.84–0.93)	1.00 (0.95–1.06)	0.98 (0.93–1.03)	0.97 (0.92–1.02)
5–10 years	<70	93,956	5,177	14.45	1 (ref.)	1 (ref.)	1 (ref.)	1 (ref.)
	70–99	140,598	7,876	14.56	1.01 (0.97–1.04)	0.99 (0.95–1.02)	1.00 (0.96–1.03)	0.99 (0.95–1.02)
	100–129	105,242	6,080	14.96	1.03 (0.99–1.07)	1.02 (0.98–1.05)	1.02 (0.98–1.06)	0.99 (0.95–1.03)
	130–159	47,210	2,732	14.97	1.03 (0.99–1.08)	1.03 (0.98–1.08)	1.02 (0.97–1.07)	0.99 (0.95–1.04)
	≥160	18,492	1,221	17.19	1.19 (1.12–1.26)	1.23 (1.15–1.31)	1.18 (1.11–1.26)	1.16 (1.09–1.23)
≥10 years	<70	118,911	9,052	20.48	1 (ref.)	1 (ref.)	1 (ref.)	1 (ref.)
	70–99	166,723	12,684	20.26	0.99 (0.96–1.02)	0.98 (0.95–1.01)	0.99 (0.96–1.02)	0.98 (0.96–1.01)
	100–129	118,104	9,446	21.24	1.04 (1.01–1.07)	1.03 (1.00–1.06)	1.03 (1.00–1.06)	1.02 (0.99–1.05)
	130–159	49,731	4,310	23.01	1.12 (1.08–1.16)	1.13 (1.09–1.18)	1.12 (1.08–1.16)	1.11 (1.07–1.15)
	≥160	18,192	1,763	26.07	1.27 (1.21–1.34)	1.33 (1.26–1.40)	1.26 (1.20–1.33)	1.26 (1.19–1.32)

Model 1: unadjusted; Model 2: adjusted for age and sex; Model 3: adjusted for model 2+body mass index, smoking, drinking, income, hypertension, chronic kidney disease, and fasting glucose; Model 4: adjusted for model 3+dyslipidemia medication, insulin treatment, and oral hypoglycemic agent.

LDL-C, low-density lipoprotein cholesterol; IHD, ischemic heart disease; MI, myocardial infarction; DM, diabetes mellitus.

^aPer 1,000 person-years.