

**Supplementary Table 4.** Hazard ratios and 95% confidence intervals for incident heart failure according to the duration of diabetes and HDL-C level

DM duration	HDL-C, mg/dL	Number	No. of events	Incidence rate <sup>a</sup>	Model 1	Model 2	Model 3	Model 4
New-onset	<40	111,459	4,905	11.69	1 (ref.)	1 (ref.)	1 (ref.)	1 (ref.)
	40–49	224,837	8,042	9.43	0.81 (0.78–0.84)	0.83 (0.80–0.86)	0.87 (0.84–0.90)	0.86 (0.83–0.90)
	50–59	192,039	6,552	9.01	0.77 (0.74–0.80)	0.79 (0.76–0.82)	0.84 (0.81–0.87)	0.83 (0.80–0.86)
	60–69	107,961	3,735	9.17	0.78 (0.75–0.82)	0.78 (0.75–0.82)	0.84 (0.81–0.88)	0.83 (0.80–0.87)
	≥70	79,542	3,123	10.49	0.90 (0.86–0.94)	0.89 (0.85–0.93)	0.96 (0.92–1.01)	0.95 (0.91–1.00)
<5 years	<40	122,622	7,397	15.74	1 (ref.)	1 (ref.)	1 (ref.)	1 (ref.)
	40–49	221,790	11,349	13.24	0.84 (0.82–0.87)	0.86 (0.84–0.89)	0.90 (0.87–0.93)	0.91 (0.88–0.93)
	50–59	174,382	8,746	12.98	0.83 (0.80–0.85)	0.83 (0.80–0.85)	0.88 (0.86–0.91)	0.89 (0.86–0.92)
	60–69	88,199	4,471	13.17	0.84 (0.81–0.87)	0.82 (0.79–0.85)	0.89 (0.85–0.92)	0.89 (0.86–0.92)
	≥70	53,157	3,161	15.62	0.99 (0.95–1.04)	0.95 (0.91–0.99)	1.03 (0.99–1.08)	1.03 (0.98–1.07)
5–10 years	<40	91,757	7,670	22.12	1 (ref.)	1 (ref.)	1 (ref.)	1 (ref.)
	40–49	158,773	10,698	17.61	0.80 (0.77–0.82)	0.83 (0.81–0.86)	0.87 (0.85–0.90)	0.89 (0.86–0.91)
	50–59	125,383	7,920	16.51	0.75 (0.72–0.77)	0.78 (0.76–0.81)	0.84 (0.82–0.87)	0.86 (0.83–0.88)
	60–69	62,460	3,951	16.60	0.75 (0.72–0.78)	0.78 (0.75–0.81)	0.86 (0.82–0.89)	0.87 (0.84–0.91)
	≥70	37,042	2,546	18.17	0.82 (0.79–0.86)	0.86 (0.82–0.90)	0.95 (0.90–0.99)	0.96 (0.91–1.00)
≥10 years	<40	123,539	14,760	32.98	1 (ref.)	1 (ref.)	1 (ref.)	1 (ref.)
	40–49	196,411	18,952	26.05	0.79 (0.77–0.81)	0.84 (0.82–0.85)	0.89 (0.87–0.91)	0.91 (0.89–0.93)
	50–59	149,514	13,300	23.90	0.72 (0.71–0.74)	0.78 (0.76–0.80)	0.85 (0.83–0.87)	0.88 (0.86–0.90)
	60–69	74,326	6,306	22.82	0.69 (0.67–0.71)	0.75 (0.73–0.78)	0.84 (0.81–0.86)	0.87 (0.84–0.89)
	≥70	44,785	4,040	24.44	0.74 (0.72–0.77)	0.82 (0.79–0.85)	0.92 (0.89–0.95)	0.94 (0.91–0.98)

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.

HDL-C, high-density lipoprotein cholesterol; DM, diabetes mellitus.

<sup>a</sup>Per 1,000 person-years.