

**Supplementary Table 10.** Hazard ratios and 95% confidence intervals for incident heart failure according to the duration of diabetes and LDL-C level (subgroup analysis according to the use of SGLT2 inhibitor)

DM duration	LDL-C, mg/dL	SGLT2 inhibitor (-)				SGLT2 inhibitor (+)				P for interaction
		Number	No. of events	Incidence rate <sup>a</sup>	HR (95% CI)	Number	No. of events	Incidence rate <sup>a</sup>	HR (95% CI)	
New-onset	<70	61,262	3,412	14.97	1 (ref.)					NA
	70–99	157,707	6,568	11.04	0.82 (0.79–0.85)					
	100–129	226,382	7,850	9.15	0.74 (0.71–0.77)					
	130–159	169,695	5,312	8.25	0.71 (0.68–0.74)					
	≥160	100,792	3,215	8.44	0.75 (0.71–0.78)					
<5 years	<70	126,474	7,557	15.70	1 (ref.)	5,198	240	12.58	1 (ref.)	0.702
	70–99	197,187	11,048	14.54	0.93 (0.91–0.96)	7,854	321	11.02	0.89 (0.75–1.05)	
	100–129	167,725	8,642	13.29	0.89 (0.86–0.91)	6,397	229	9.52	0.80 (0.66–0.96)	
	130–159	93,821	4,530	12.42	0.86 (0.83–0.89)	3,883	120	8.20	0.73 (0.58–0.91)	
	≥160	49,331	2,359	12.34	0.91 (0.87–0.95)	2,280	78	9.08	0.80 (0.62–1.03)	
5–10 years	<70	112,937	8,118	19.03	1 (ref.)	4,473	248	15.25	1 (ref.)	0.116
	70–99	159,677	10,960	17.98	0.95 (0.93–0.98)	5,502	303	14.96	1.03 (0.87–1.22)	
	100–129	115,336	7,769	17.54	0.93 (0.90–0.96)	3,736	226	16.32	1.13 (0.94–1.36)	
	130–159	51,232	3,504	17.80	0.95 (0.91–0.99)	1,699	79	12.43	0.86 (0.67–1.11)	
	≥160	20,060	1,529	19.94	1.07 (1.01–1.13)	763	49	17.36	1.20 (0.88–1.63)	
≥10 years	<70	155,879	15,860	27.85	1 (ref.)	6,462	515	22.34	1 (ref.)	0.444
	70–99	200,167	19,124	25.79	0.95 (0.93–0.97)	7,474	575	21.25	1.00 (0.89–1.13)	
	100–129	134,626	12,686	25.31	0.95 (0.93–0.97)	4,736	384	22.22	1.03 (0.90–1.18)	
	130–159	55,925	5,684	27.31	1.04 (1.00–1.07)	2,032	152	20.56	0.96 (0.80–1.15)	
	≥160	20,393	2,300	30.72	1.16 (1.11–1.21)	881	78	24.57	1.20 (0.95–1.53)	

Adjusted for age, sex, body mass index, smoking, drinking, income, hypertension, chronic kidney disease, fasting glucose, dyslipidemia medication, insulin treatment, and oral hypoglycemic agent.

LDL-C, low-density lipoprotein-cholesterol; SGLT2, sodium glucose cotransporter 2; DM, diabetes mellitus; HR, hazard ratio; CI, confidence interval; NA, not available.

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