

Supplementary Table 4. Hazard ratios and 95% confidence intervals for the death from pneumonia according to the six groups categorized by the insulin use and exposure duration to low-household income

Subgroup	Duration of exposures to low-household income, yr	No. of events	Follow-up duration, person-yr	IR, /1,000 person-yr (95% CI)	Hazard ratio (95% confidence interval)				
					Crude model	Model 1	Model 2	Model 3	Model 4
Insulin non-users	0 (n=2,229,237)	9,565	15,480,345.15	0.618 (0.605–0.629)	1 (Ref)	1 (Ref)	1 (Ref)	1 (Ref)	1 (Ref)
	1–4 (n=38,494)	343	244,420.24	1.403 (1.261–1.559)	2.410 (2.164–2.684)	1.783 (1.600–1.986)	1.707 (1.532–1.902)	1.723 (1.547–1.920)	1.706 (1.531–1.900)
	5 (n=16,748)	95	93,620.9	1.015 (0.830–1.241)	1.989 (1.625–2.435)	5.015 (4.093–6.146)	4.605 (3.757–5.643)	4.684 (3.822–5.741)	4.586 (3.741–5.621)
Insulin users	0 (n=207,268)	2,108	1,363,974.92	1.545 (1.478–1.609)	2.508 (2.393–2.63)	1.983 (1.891–2.078)	1.908 (1.819–2.001)	1.779 (1.694–1.868)	1.758 (1.675–1.846)
	1–4 (n=7,660)	94	44,575.45	2.109 (1.721–2.579)	3.745 (3.057–4.589)	3.471 (2.833–4.253)	3.154 (2.574–3.865)	2.955 (2.411–3.622)	2.887 (2.355–3.539)
	5 (n=4,174)	40	21,794.54	1.835 (1.348–2.505)	3.665 (2.687–5.001)	8.953 (6.558–12.223)	7.913 (5.795–10.805)	7.460 (5.462–10.187)	7.193 (5.266–9.825)

Model 1: adjusted for age and sex; Model 2: adjusted for age, sex, smoking history, alcohol consumption, regular exercise, and presence of chronic kidney disease (CKD); Model 3: adjusted for age, sex, smoking history, alcohol consumption, regular exercise, and presence of CKD, fasting plasma glucose, and diabetes duration (≥ 5 years vs. < 5 years); Model 4: adjusted for age, sex, smoking history, alcohol consumption, regular exercise, presence of CKD, fasting plasma glucose, diabetes duration (≥ 5 years vs. < 5 years), chronic lower respiratory disease, and lung diseases due to external agents.

IR, incidence rate; CI, confidence interval.