

**Supplementary Table 3.** Results of the sensitivity analysis after excluding deceased participants

Variable	No. of events	Follow-up duration, person-yr	Incidence rate, /1,000 person-yr	Multivariate adjusted HR (95% CI)	
				Model 1	Model 2
<b>All-cause dementia</b>					
Q1 ( <i>n</i> =177,804)	10,811	1,204,303	8.98	1 (Ref)	1 (Ref)
Q2 ( <i>n</i> =177,674)	9,728	1,213,608	8.02	0.99 (0.96–1.02)	0.98 (0.95–1.01)
Q3 ( <i>n</i> =176,316)	9,864	1,207,311	8.17	1.07 (1.04–1.09)	1.04 (1.01–1.07)
Q4 ( <i>n</i> =173,104)	10,589	1,186,717	8.92	1.2 (1.17–1.23)	1.14 (1.11–1.17)
<i>P</i> for trend				<0.001	<0.001
<b>Alzheimer's disease</b>					
Q1 ( <i>n</i> =177,804)	8,213	1,204,303	6.82	1 (Ref)	1 (Ref)
Q2 ( <i>n</i> =177,674)	7,431	1,213,608	6.12	0.99 (0.97–1.03)	0.99 (0.96–1.02)
Q3 ( <i>n</i> =176,316)	7,527	1,207,311	6.23	1.07 (1.04–1.11)	1.05 (1.02–1.08)
Q4 ( <i>n</i> =173,104)	8,021	1,186,717	6.76	1.2 (1.17–1.24)	1.14 (1.11–1.18)
<i>P</i> for trend				<0.001	<0.001
<b>Vascular dementia</b>					
Q1 ( <i>n</i> =177,804)	1,267	1,204,303	1.05	1 (Ref)	1 (Ref)
Q2 ( <i>n</i> =177,674)	1,181	1,213,608	0.97	1.01 (0.93–1.09)	0.99 (0.92–1.08)
Q3 ( <i>n</i> =176,316)	1,200	1,207,311	0.99	1.08 (0.99–1.17)	1.05 (0.97–1.14)
Q4 ( <i>n</i> =173,104)	1,310	1,186,717	1.10	1.24 (1.14–1.34)	1.16 (1.07–1.25)
<i>P</i> for trend				<0.001	<0.001

Model 1 was adjusted for age, sex, body mass index, alcohol consumption, smoking, regular exercise, presence of hypertension, dyslipidemia, chronic kidney disease, lower 20% income, and hemoglobin levels. Model 2 is the same as model 1, with additional adjustment for the duration of diabetes for at least 5 years, the prescription number of glucose-lowering medications, prescription history of insulin, mean fasting glucose, and presence of a depressive disorder. Q1, 0–12.7; Q2, 12.8–20.5; Q3, 20.6–31.2; Q4, ≥31.3.

HR, hazard ratio; CI, confidence interval.