

Supplementary Table 4. HR and 95% CI for the incidence of dementia by quartiles of baseline fasting glucose levels

Variable	No. of events	Follow-up duration, person-yr	Incidence rate, /1,000 person-yr	Age and sex adjusted HR (95% CI)	Multivariate-adjusted HR (95% CI)	
					Model 1	Model 2
All-cause dementia						
<80 mg/dL (<i>n</i> =20,574)	2,181	130,351.2	16.73	1.25 (1.19–1.3)	1.18 (1.13–1.24)	1.14 (1.09–1.20)
80–99 mg/dL (<i>n</i> =120,726)	11,705	774,693.9	15.11	1.09 (1.07–1.12)	1.07 (1.04–1.1)	1.09 (1.07–1.12)
100–119 mg/dL (<i>n</i> =156,080)	12,997	1,014,126.3	12.82	1 (Ref)	1 (Ref)	1 (Ref)
120–139 mg/dL (<i>n</i> =215,055)	12,743	1,424,103.5	8.95	0.94 (0.92–0.97)	0.96 (0.93–0.98)	0.96 (0.94–0.98)
140–159 mg/dL (<i>n</i> =115,412)	6,680	764,193.3	8.74	0.99 (0.97–1.03)	1.01 (0.98–1.04)	0.98 (0.95–1.01)
160–179 mg/dL (<i>n</i> =54,775)	3,293	361,185.9	9.12	1.1 (1.05–1.14)	1.1 (1.06–1.148)	1.04 (1–1.08)
≥180 mg/dL (<i>n</i> =86,932)	5,238	570,584.7	9.18	1.37 (1.33–1.42)	1.36 (1.32–1.41)	1.23 (1.19–1.27)
Alzheimer's disease						
<80 mg/dL (<i>n</i> =20,574)	1,604	130,351.2	12.31	1.2 (1.14–1.27)	1.14 (1.09–1.21)	1.11 (1.05–1.17)
80–99 mg/dL (<i>n</i> =120,726)	8,824	774,693.9	11.39	1.08 (1.05–1.11)	1.06 (1.03–1.09)	1.08 (1.05–1.11)
100–119 mg/dL (<i>n</i> =156,080)	9,888	1,014,126.3	9.75	1 (Ref)	1 (Ref)	1 (Ref)
120–139 mg/dL (<i>n</i> =215,055)	9,524	1,424,103.5	6.69	0.93 (0.91–0.96)	0.94 (0.92–0.97)	0.95 (0.92–0.98)
140–159 mg/dL (<i>n</i> =115,412)	4,957	764,193.3	6.49	0.98 (0.95–1.02)	0.99 (0.96–1.03)	0.97 (0.94–1)
160–179 mg/dL (<i>n</i> =54,775)	2,404	361,185.9	6.66	1.06 (1.02–1.11)	1.07 (1.03–1.12)	1.01 (0.97–1.06)
≥180 mg/dL (<i>n</i> =86,932)	3,831	570,584.7	6.71	1.34 (1.29–1.39)	1.33 (1.29–1.39)	1.21 (1.16–1.26)
Vascular dementia						
<80 mg/dL (<i>n</i> =20,574)	311	130,351.2	2.39	1.54 (1.36–1.74)	1.48 (1.31–1.67)	1.42 (1.26–1.61)
80–99 mg/dL (<i>n</i> =120,726)	1,389	774,693.9	1.79	1.13 (1.05–1.22)	1.12 (1.04–1.2)	1.14 (1.06–1.23)
100–119 mg/dL (<i>n</i> =156,080)	1,514	1,014,126.3	1.49	1 (Ref)	1 (Ref)	1 (Ref)
120–139 mg/dL (<i>n</i> =215,055)	1,627	1,424,103.5	1.14	0.99 (0.93–1.07)	1.01 (0.94–1.08)	1.01 (0.94–1.09)
140–159 mg/dL (<i>n</i> =115,412)	877	764,193.3	1.15	1.07 (0.99–1.17)	1.08 (0.99–1.17)	1.05 (0.97–1.14)
160–179 mg/dL (<i>n</i> =54,775)	430	361,185.9	1.19	1.16 (1.04–1.29)	1.17 (1.05–1.3)	1.1 (0.98–1.22)
≥180 mg/dL (<i>n</i> =86,932)	744	570,584.7	1.30	1.54 (1.41–1.68)	1.52 (1.39–1.66)	1.37 (1.25–1.5)

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 was the same as Model 1, with additional adjustment for the duration of diabetes for at least 5 years, prescription number of glucose-lowering medications, prescription history of insulin, and presence of a depressive disorder.

HR, hazard ratio; CI, confidence interval.