

Supplementary Table 2. HR and 95% CI for dementia incidence by quartiles of fasting glucose variability were assessed by standard deviation, coefficient of variation, and average real variability

Variable	All-cause dementia			Alzheimer's disease			Vascular dementia		
	No. of events	Incidence rate, /1,000 person-yr	Multivariate adjusted HR (95% CI)	No. of events	Incidence rate, /1,000 person-yr	Multivariate adjusted HR (95% CI)	No. of events	Incidence rate, /1,000 person-yr	Multivariate adjusted HR (95% CI)
FG SD quartiles^a									
Q1 (n=192,698)	15,043	12.00	1 (Ref)	11,277	8.99	1 (Ref)	1,816	1.45	1 (Ref)
Q2 (n=191,888)	13,334	10.57	1.02 (0.99–1.04)	10,056	7.98	1.03 (0.99–1.06)	1,649	1.31	1 (0.94–1.07)
Q3 (n=192,590)	12,631	9.95	1.05 (1.02–1.07)	9,539	7.51	1.07 (1.04–1.1)	1,538	1.21	0.99 (0.93–1.07)
Q4 (n=192,378)	13,829	11.02	1.2 (1.17–1.24)	10,160	8.10	1.2 (1.16–1.24)	1,889	1.51	1.22 (1.13–1.32)
P for trend			<0.001			<0.001			<0.001
FG CV quartiles^b									
Q1 (n=192,388)	14,329	11.43	1 (Ref)	10,714	8.54	1 (Ref)	1,758	1.40	1 (Ref)
Q2 (n=192,389)	13,199	10.44	1.01 (0.99–1.04)	9,947	7.87	1.02 (0.99–1.05)	1,643	1.30	1 (0.94–1.07)
Q3 (n=192,389)	12,894	10.18	1.05 (1.03–1.08)	9,714	7.67	1.07 (1.04–1.1)	1,597	1.26	1.02 (0.95–1.09)
Q4 (n=192,388)	14,415	11.49	1.19 (1.16–1.22)	10,657	8.50	1.19 (1.15–1.22)	1,894	1.51	1.18 (1.1–1.27)
P for trend			<0.001			<0.001			<0.001
FG ARV quartiles^c									
Q1 (n=191,107)	14,268	11.42	1 (Ref)	10,702	8.57	1 (Ref)	1,753	1.40	1 (Ref)
Q2 (n=190,268)	12,808	10.22	1 (0.98–1.03)	9,676	7.72	1.02 (0.99–1.04)	1,535	1.22	0.95 (0.89–1.02)
Q3 (n=196,249)	13,352	10.35	1.05 (1.03–1.08)	10,082	7.82	1.07 (1.04–1.10)	1,652	1.28	1.01 (0.94–1.08)
Q4 (n=191,930)	14,409	11.55	1.20 (1.16–1.23)	10,572	8.48	1.19 (1.15–1.22)	1,952	1.56	1.20 (1.11–1.30)
P for trend			<0.001			<0.001			<0.001

Adjusted for age, sex, body mass index, alcohol consumption, smoking, regular exercise, presence of hypertension, dyslipidemia, chronic kidney disease, lower 20% income, hemoglobin level, duration of diabetes for at least five years, prescription number of glucose-lowering medications, prescription history of insulin, mean fasting glucose, and presence of depressive disorder.

HR, hazard ratio; CI, confidence interval; FG, fasting glucose; SD, standard deviation; CV, coefficient of variation; ARV, average real variability.

^aQ1, 0–10.7; Q2, 10.8–18.8; Q3, 18.9–31.8; Q4, ≥31.9, ^bQ1, 0–9.4; Q2, 9.5–15.6; Q3, 15.7–24.4; Q4, ≥24.5, ^cQ1, 0–12.4; Q2, 12.5–21.4; Q3, 21.5–37.2; Q4, ≥37.3.