

Supplementary Table 1. HR and 95% CI for the incidence of dementia by deciles of variability independent of mean fasting glucose^a

Variable	No. of events	Follow-up duration, person-yr	Incidence rate, /1,000 person-yr	Multivariate adjusted HR (95% CI)
All-cause dementia				
D1 (<i>n</i> =76,955)	5,699	500,143.2	11.39	1 (Ref)
D2 (<i>n</i> =76,956)	5,433	503,108.9	10.80	1.01 (0.98–1.05)
D3 (<i>n</i> =76,955)	5,270	505,313.3	10.43	1.02 (0.98–1.06)
D4 (<i>n</i> =76,952)	5,123	506,149.0	10.12	1.01 (0.97–1.05)
D5 (<i>n</i> =76,959)	5,117	506,493.0	10.10	1.03 (0.99–1.07)
D6 (<i>n</i> =76,956)	5,302	505,681.8	10.48	1.08 (1.04–1.12)
D7 (<i>n</i> =76,954)	5,272	505,941.5	10.42	1.07 (1.03–1.11)
D8 (<i>n</i> =76,956)	5,484	504,908.6	10.86	1.13 (1.09–1.17)
D9 (<i>n</i> =76,956)	5,633	504,074.9	11.17	1.16 (1.12–1.2)
D10 (<i>n</i> =76,955)	6,504	497,424.4	13.08	1.26 (1.21–1.3)
<i>P</i> for trend				<0.001
Alzheimer's disease				
D1 (<i>n</i> =76,955)	4,259	500,143.2	8.52	1 (Ref)
D2 (<i>n</i> =76,956)	4,064	503,108.9	8.08	1.02 (0.97–1.06)
D3 (<i>n</i> =76,955)	3,921	505,313.3	7.76	1.02 (0.98–1.06)
D4 (<i>n</i> =76,952)	3,864	506,149.0	7.63	1.02 (0.98–1.06)
D5 (<i>n</i> =76,959)	3,838	506,493.0	7.58	1.04 (0.99–1.08)
D6 (<i>n</i> =76,956)	4,015	505,681.8	7.94	1.1 (1.05–1.14)
D7 (<i>n</i> =76,954)	3,916	505,941.5	7.74	1.07 (1.02–1.11)
D8 (<i>n</i> =76,956)	4,117	504,908.6	8.15	1.14 (1.09–1.19)
D9 (<i>n</i> =76,956)	4,182	504,074.9	8.30	1.16 (1.11–1.21)
D10 (<i>n</i> =76,955)	4,856	497,424.4	9.76	1.27 (1.21–1.32)
<i>P</i> for trend				<0.001
Vascular dementia				
D1 (<i>n</i> =76,955)	690	500,143.2	1.38	1 (Ref)
D2 (<i>n</i> =76,956)	673	503,108.9	1.34	1.03 (0.92–1.142)
D3 (<i>n</i> =76,955)	687	505,313.3	1.36	1.08 (0.97–1.199)
D4 (<i>n</i> =76,952)	635	506,149.0	1.25	1.01 (0.91–1.126)
D5 (<i>n</i> =76,959)	627	506,493.0	1.24	1.01 (0.91–1.13)
D6 (<i>n</i> =76,956)	675	505,681.8	1.33	1.1 (0.99–1.224)
D7 (<i>n</i> =76,954)	686	505,941.5	1.36	1.11 (1–1.239)
D8 (<i>n</i> =76,956)	668	504,908.6	1.32	1.09 (0.98–1.217)
D9 (<i>n</i> =76,956)	726	504,074.9	1.44	1.19 (1.07–1.321)
D10 (<i>n</i> =76,955)	825	497,424.4	1.66	1.27 (1.14–1.405)
<i>P</i> for trend				<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 5 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.

^aD1, 0–7.6; D2, 7.7–11.1; D3, 11.2–14.2; D4, 14.3–17.3; D5, 17.4–20.5; D6, 20.6–24.2; D7, 23.3–28.6; D8, 28.7–34.3; D9, 34.4–43.1; D10, ≥43.2.