

Supplementary Table 6. Subgroup analyses on the risk of incident dementia according to the FLI category in the propensity score matching cohort

	Intermediate (FLI \geq 30 and $<$ 60)	Low (FLI $<$ 30)	P-value	P for interaction
Age				0.632
Younger adults $<$ 65 years	1.00 (reference)	0.90 (0.84–0.97)	0.005	
Older adults \geq 65 years	1.00 (reference)	0.96 (0.93–0.99)	0.010	
Sex				$<$ 0.001
Men	1.00 (reference)	0.90 (0.85–0.96)	0.002	
Women	1.00 (reference)	0.97 (0.94–1.01)	0.111	
Body mass index				0.091
$<$ 25 kg/m ²	1.00 (reference)	0.95 (0.92–0.98)	$<$ 0.001	
\geq 25 kg/m ²	1.00 (reference)	1.05 (0.95–1.17)	0.329	
Hypertension*				0.053
No	1.00 (reference)	0.97 (0.94–1.00)	0.048	
Yes	1.00 (reference)	0.89 (0.83–0.96)	0.002	
Type 2 diabetes [†]				0.974
No	1.00 (reference)	0.96 (0.93–0.99)	0.004	
Yes	1.00 (reference)	0.95 (0.87–1.05)	0.327	
Dyslipidemia [‡]				0.043
No	1.00 (reference)	0.94 (0.91–0.98)	$<$ 0.001	
Yes	1.00 (reference)	1.01 (0.95–1.08)	0.666	
Smoker				0.402
Never	1.00 (reference)	0.96 (0.93–0.99)	0.012	
Past	1.00 (reference)	1.10 (0.76–1.57)	0.615	
Current	1.00 (reference)	0.89 (0.81–0.99)	0.029	
MVPA				0.070
\leq 2 times/week	1.00 (reference)	0.94 (0.91–0.97)	$<$ 0.001	
3–4 times/week	1.00 (reference)	0.97 (0.87–1.07)	0.523	
\geq 5 times/week	1.00 (reference)	1.03 (0.95–1.11)	0.497	
CCI				0.284
0	1.00 (reference)	0.99 (0.94–1.03)	0.557	
1	1.00 (reference)	0.95 (0.90–1.00)	0.057	
\geq 2	1.00 (reference)	0.92 (0.87–0.97)	0.002	
Metabolic syndrome [§]				0.148
No	1.00 (reference)	0.95 (0.92–0.99)	0.005	
Yes	1.00 (reference)	1.00 (0.93–1.07)	0.992	
Waist circumference				0.333
Normal	1.00 (reference)	0.95 (0.92–0.99)	0.008	
Abnormal	1.00 (reference)	0.97 (0.92–1.03)	0.278	
Blood pressure				0.279
Normal	1.00 (reference)	0.95 (0.92–0.99)	0.009	
Abnormal ^{**}	1.00 (reference)	0.96 (0.91–1.01)	0.114	

Supplementary Table 6. Continued

	Intermediate (FLI ≥ 30 and < 60)	Low (FLI < 30)	P-value	P for interaction
Triglyceride				0.747
Normal	1.00 (reference)	0.98 (0.94–1.01)	0.145	
Abnormal ^{††}	1.00 (reference)	0.96 (0.90–1.03)	0.276	
HDL cholesterol				0.148
Normal	1.00 (reference)	0.95 (0.91–0.98)	0.003	
Abnormal ^{‡‡}	1.00 (reference)	0.98 (0.94–1.03)	0.485	
Fasting serum glucose				0.535
Normal	1.00 (reference)	0.95 (0.91–0.98)	0.002	
Abnormal ^{§§}	1.00 (reference)	0.98 (0.93–1.03)	0.347	

Data are adjusted hazard ratios with 95% confidence intervals calculated using the Cox proportional hazards model after adjustments for age, sex, body mass index, household income, systolic blood pressure, fasting serum glucose, smoking, MVPA, and CCI.

FLI, fatty liver index; MVPA, moderate-to-vigorous physical activity; CCI, Charlson comorbidity index; HDL, high-density lipoprotein.

*Defined as systolic blood pressure ≥ 140 mmHg or diastolic blood pressure ≥ 90 mmHg or prescription of antihypertensive drugs.

[†]Defined as fasting serum glucose ≥ 126 mg/dL or prescription of antidiabetic drugs.

[‡]Defined as total cholesterol ≥ 240 mg/dL or prescription of antidiabetic drugs.

[§]Metabolic syndrome was defined when three or more of the following criteria are met: ^{||} ≥ 90 cm for men and ≥ 80 cm for women,

^{**}systolic blood pressure ≥ 130 or diastolic blood pressure ≥ 85 mmHg, ^{††} ≥ 150 mg/dL, ^{‡‡} ≤ 40 mg/dL for men or ≤ 50 mg/dL for women, and

^{§§} ≥ 100 mg/dL.