

Table S1. Alternative criteria for the classification of NAFLD.

Measures	Equation	Cutoff
K-NAFLD score ¹	$0.913 \times \text{sex (2, if female; 1, if male)} + 0.089 \times \text{WC} + 0.032 \times (\text{systolic blood pressure} + \text{fasting glucose [mg/dL]}) + \text{TG (mg/dL)} \times 0.007 + \text{ALT (IU/L)} \times 0.105 - 20.929$	> 0.884
ZJU index ²	$\text{BMI (kg/m}^2\text{)} + \text{fasting glucose (mmol/L)} + \text{TG (mmol/L)} + 3 \times (\text{ALT/AST}) + 2 \text{ (if female)}$	> 38

¹ Jeong S, Kim K, Chang J, Choi S, Kim SM, Son JS, Lee G, Kim W, Park SM. Development of a simple nonalcoholic fatty liver disease scoring system indicative of metabolic risks and insulin resistance. *Ann Transl Med.* 2020 Nov;8(21):1414

² Wang J, Xu C, Xun Y, Lu Z, Shi J, Yu C, Li Y. ZJU index: a novel model for predicting nonalcoholic fatty liver disease in a Chinese population. *Sci Rep.* 2015 Nov 16;5:16494.

Table S2. ORs of NAFLD according to level of each domain of physical activity and sex in a model with an interaction term between physical activity and sex. A model using continuous PA variables.

	OR (95% CI)
Male	
OPA (MVPA min/week)	
Continuous scale (60 min)	1.01 (1.00–1.02)
LTPA (MVPA min/week)	
Continuous scale (60 min)	0.96 (0.92–0.99)
TRPA (MVPA min/week)	
Continuous scale (60 min)	1.00 (0.99–1.02)
Female	
OPA (MVPA min/week)	
Continuous scale (60 min)	0.99 (0.98–1.01)
LTPA (MVPA min/week)	
Continuous scale (60 min)	0.94 (0.90–0.97)
TRPA (MVPA min/week)	
Continuous scale (60 min)	1.01 (0.99–1.03)
Interaction terms	
Sex × OPA	0.222
Sex × LTPA	0.040
Sex × TRPA	0.289

NAFLD: non-alcoholic fatty liver disease; MVPA: moderate-to-vigorous physical activity; OPA: occupational physical activity; LTPA: leisure-time physical activity; TRPA: transportation-related physical activity; AOR: adjusted odds ratio; CI: confidence interval. The model adjusted for sex, age, region, education, income, marital status, occupation, smoking status, and survey year.