Table S1. Interaction effects of grip strength below recommended cut-offs and gender on cognitive function outcomes

Outcomes	Exposure/interaction term	OR (95% CI)	p-value
Cognitive decline	Grip strength below recommended cut-offs × sex	0.35 (0.12–1.03)	0.057
Information processing speed[a)]	Grip strength below recommended cut-offs × sex	0.70 (0.21–2.37)	0.566
Working memory[a)]	Grip strength below recommended cut-offs × sex	0.42 (0.13–1.37)	0.149
Visual memory[a)]	Grip strength below recommended cut-offs × sex	0.84 (0.27–2.72)	0.773
Visual memory time[a)]	Grip strength below recommended cut-offs × sex	1.35 (0.44–4.34)	0.607
Grip strength below recommended cut-offs	Cognitive decline × sex	0.88 (0.29–2.71)	0.826
	Information processing speed × sex	1.01 (0.33–3.14)	0.986
	Working memory × sex	0.72 (0.24–2.23)	0.570
	Visual memory × sex	1.14 (0.38–3.53)	0.822
	Visual memory time × sex	1.73 (0.56–5.53)	0.346

OR, odds ratio; CI, confidence interval.

Adjusted for age, sex, body mass index, body fat percentage, employment status, spouse, high school graduation status, diabetes history, hypertension history, diabetes history, and smoking status.

Cognitive decline was defined as the Korean version of Mini Mental State Examination score less than 24.

[a)]Whether the performance did not reach the median.