

SUPPLEMENTARY MATERIAL

Table S1. The association between joint physical activity and body mass index phenotypes with cardiovascular disease after taking in account competing risk

		n/N	HR (95%CI)
High physical activity	Normal weight	125/924	1 (reference)
	Overweight	179/1279	1.05 (0.84, 1.32)
	Obese	63/468	1.12 (0.83, 1.51)
Low physical activity	Normal weight	145/841	1.02 (0.79, 1.30)
	Overweight	249/1256	1.27 (1.02, 1.58)*
	Obese	105/576	1.30 (1.01, 1.69)*

Analyses adjusted for age, gender, education, diet, alcohol, smoking and family history of premature myocardial infarction.

Abbreviations: CI, confidence interval; HR, hazard ratio; n, number of events; N, number at risk.

* $p < 0.05$ vs. reference group.

Table S2. The association between joint physical activity and body mass index phenotypes with cardiovascular disease in elderly, aged 65+ (n=3238)

		n/N	HR (95%CI)
High physical activity	Normal weight	96/524	1 (reference)
	Overweight	142/737	1.05 (0.81, 1.36)
	Obese	54/259	1.24 (0.89, 1.74)
Low physical activity	Normal weight	115/545	1.08 (0.82, 1.42)
	Overweight	201/800	1.34 (1.05, 1.72)*
	Obese	88/373	1.36 (1.02, 1.83)*

Analyses adjusted for age, gender, education, diet, alcohol, smoking and family history of premature myocardial infarction.

Abbreviations: CI, confidence interval; HR, hazard ratio; n, number of events; N, number at risk.

* p < 0.05 vs. reference group.

Table S3. The association between joint physical activity and body mass index phenotypes with cardiovascular disease, excluding events in the first 2 years (n=5,150)

		n/N	HR (95%CI)
High physical activity	Normal weight	101/900	1 (reference)
	Overweight	136/1,236	0.96 (0.74, 1.25)
	Obese	52/457	1.12 (0.80, 1.57)
Low physical activity	Normal weight	114/810	1.13 (0.86, 1.49)
	Overweight	187/1,194	1.30 (1.02, 1.67)*
	Obese	82/553	1.33 (0.99, 1.79)

Analyses adjusted for age, gender, education, diet, alcohol, smoking and family history of premature myocardial infarction.

Abbreviations: CI, confidence interval; HR, hazard ratio; n, number of events; N, number at risk.

* p < 0.05 vs. reference group.

Table S4. The association between joint physical activity and body mass index phenotypes with cardiovascular disease, in those without missing dietary quality information (n=4,030)

		n/N	HR (95%CI)
High physical activity	Normal weight	102/752	1 (reference)
	Overweight	133/991	0.99 (0.76, 1.28)
	Obese	43/372	0.94 (0.66, 1.35)
Low physical activity	Normal weight	103/612	1.11 (0.84, 1.47)
	Overweight	176/903	1.37 (1.07, 1.76)*
	Obese	68/400	1.31 (0.96, 1.79)

Analyses adjusted for age, gender, education, diet, alcohol, smoking and family history of premature myocardial infarction.

Abbreviations: CI, confidence interval; HR, hazard ratio; n, number of events; N, number at risk.

*p < 0.05 vs. reference group.