

S1 Table. Baseline characteristics of the study participants according to metabolically healthy phenotypes based on WC category

	MHNW	MUNW	MHO	MUO	p-value
No.	20,355	46,911	6,791	40,938	-
Age (yr)	45.30±12.94	51.16±12.38	49.26±12.25	54.16±11.72	< 0.001
Male sex	14,817 (72.79)	39,124 (83.40)	5,087 (74.91)	33,360 (81.49)	< 0.001
BMI	22.62±2.61	23.92±2.76	25.86±3.22	27.30±3.12	< 0.001
WC	78.62±6.36	81.42±5.55	94.49±5.99	95.96±6.40	< 0.001
WHR	0.28±0.45	0.35±0.48	0.72±0.45	0.75±0.44	< 0.001
WHtR	0.26±0.44	0.41±0.49	0.99±0.10	0.99±0.08	< 0.001
SBP	112.29±9.65	133.81±20.26	114.78±8.76	139.19±20.40	< 0.001
TG	0.90 (0.67-1.18)	1.29 (0.90-1.97)	1.05 (0.78-1.33)	1.66 (1.12-2.48)	< 0.001
HDL-C	1.59±0.42	1.53±0.46	1.56±0.39	1.48±0.42	< 0.001
Hs-CRP	0.60 (0.24-1.68)	0.80 (0.30-1.96)	1.00 (0.36-2.87)	1.30 (0.54-3.38)	< 0.001
ALT	16.30 (12.00-23.00)	18.00 (13.00-24.00)	18.00 (12.00-25.00)	20.00 (14.00-28.00)	< 0.001
High school or above, %	2,943 (14.46)	2,938 (6.26)	532 (7.83)	2,184 (5.33)	< 0.001
Salt intake > 12 g/day	2,143 (10.53)	5,146 (10.97)	646 (9.51)	4,964 (12.13)	< 0.001
Current drinker	2,953 (14.51)	9,321 (19.87)	1,032 (15.20)	7,817 (19.09)	< 0.001
Current smoker	6,532 (32.09)	15,656 (33.37)	2,026 (29.83)	12,686 (30.99)	< 0.001
Physical exercise	2,776 (13.64)	7,904 (16.85)	806 (11.87)	7,079 (17.29)	< 0.001
Family history of cancer	695 (3.41)	1,347 (2.87)	221 (3.25)	1,342 (3.17)	< 0.001

Values are presented as number (%), mean±SD, or median (P25-P75). ALT, alanine transaminase; BMI, body mass index; HDL-C, high density lipoprotein-cholesterol; Hs-CRP, high-sensitive C-reactive protein; MHNW, metabolic healthy normal-weight; MHO, metabolic healthy obesity; MUNW, metabolic unhealthy normal-weight; MUO, metabolic unhealthy obesity; SBP, systolic blood pressure; TG, triglyceride; WC, waist circumference; WHR, waist-hip ratio; WHtR, waist-to-height ratio.