

Supplementary Table 1. Baseline characteristics

Variable	Estimated pulse wave velocity (m/s)				p value
	Overall (n= 9,722)	First tertile (4.53–7.67) (n = 2,069)	Second tertile (7.68–9.34) (n = 2,056)	Third tertile (9.35–14.86) (n = 2,061)	
Age (yr)	52.05 ± 8.87	44.20 ± 3.65 ^{a,b}	50.69 ± 6.19 ^c	61.26 ± 6.01	< 0.001
Male, sex	4,620 (47.5)	1,413 (43.6)	1,729 (53.3)	1,478 (45.6)	< 0.001
Body mass index (kg/m ²)	24.54 ± 3.14	24.04 ± 2.85 ^{a,b}	24.89 ± 3.15 ^c	24.70 ± 3.34	< 0.001
Waist circumference (cm)	82.89 ± 8.80	79.59 ± 8.26 ^{a,b}	83.74 ± 8.36 ^c	85.34 ± 8.78	< 0.001
Income level					< 0.001
≥ Median	4,714 (49.4)	2,280 (71.2)	1,650 (51.9)	784 (24.8)	
Education					< 0.001
Lower than middle school	3,171 (32.9)	364 (11.3)	928 (28.8)	1,879 (58.8)	
Middle school	2,231 (23.1)	775 (24.0)	842 (26.1)	614 (19.2)	
High school	2,961 (30.7)	1,452 (45.0)	1,008 (31.3)	501 (15.7)	
University and college	1,282 (13.3)	636 (19.7)	444 (13.8)	202 (6.3)	
Smoking status					< 0.001
Current-smoker	2,478 (25.8)	867 (27.1)	891 (27.8)	720 (22.6)	
Ex-smoker	1,490 (15.5)	405 (12.7)	554 (17.3)	531 (16.7)	
Never-smoker	5,627 (58.6)	1,927 (60.2)	1,762 (54.9)	1,938 (60.8)	
Alcohol drinking					< 0.001
Current-drinker	4,580 (47.5)	1,644 (51.1)	1,629 (50.7)	1,307 (40.8)	
Ex-drinker	624 (6.5)	170 (5.3)	212 (6.6)	242 (7.6)	
Never-drinker	4,433 (46.0)	1,405 (43.6)	1,375 (42.8)	1,653 (51.6)	
Physical activity, METs-hour/wk	171.02 ± 104.22	150.76 ± 91.03 ^{a,b}	170.71 ± 103.60 ^c	191.82 ± 112.93	< 0.001
Systolic blood pressure (mmHg)	124.40 ± 18.70	108.85 ± 9.50 ^{a,b}	123.74 ± 11.64 ^c	140.64 ± 17.82	< 0.001
Diastolic blood pressure (mmHg)	81.66 ± 11.79	72.43 ± 7.60 ^{a,b}	83.04 ± 9.24 ^c	89.52 ± 11.17	< 0.001
Medical history					
Hypertension	1,078 (11.1)	37 (1.1)	289 (8.9)	752 (23.3)	< 0.001
Diabetes mellitus	221 (2.3)	39 (1.2)	73 (2.3)	109 (3.4)	< 0.001
Dyslipidemia	54 (0.6)	9 (0.3)	17 (0.5)	28 (0.9)	0.006
Chronic kidney disease	282 (2.9)	76 (2.3)	98 (3.0)	108 (3.3)	0.052
Laboratory data					
eGFR (mL/min/1.73 m ²)	89.7 (20.3)	92.8 ± 20.0 ^{a,b}	89.5 ± 20.1 ^c	87.0 ± 20.3	< 0.001

Supplementary Table 1. Continued

Variable	Estimated pulse wave velocity (m/s)				p value
	Overall (n= 9,722)	First tertile (4.53–7.67) (n = 2,069)	Second tertile (7.68–9.34) (n = 2,056)	Third tertile (9.35–14.86) (n = 2,061)	
Fasting glucose (mg/dL)	82 (77–90)	82 (77–87) ^{a,b}	83 (78–91)	83 (78–92)	< 0.001 ^d
Hemoglobin A1c (%)	5.6 (5.3–5.9)	5.5 (5.3–5.7) ^{a,b}	5.6 (5.4–5.9) ^c	5.7 (5.5–6.0)	< 0.001 ^d
Total cholesterol (mg/dL)	189 (167–214)	182 (162–207) ^{a,b}	192 (169–217)	192 (169–216)	< 0.001 ^d
Triglyceride (mg/dL)	134 (99–188)	118 (90–164) ^{a,b}	141 (103–199) ^c	146 (110–200)	< 0.001 ^d
HDL cholesterol (mg/dL)	44 (38–50)	44 (38–50)	43 (37–50)	43 (37–50)	0.034 ^d
LDL cholesterol (mg/dL)	121 (100–143)	117 (97–139) ^{a,b}	123 (102–145)	124 (102–146)	< 0.001 ^d
Metabolic syndrome component					< 0.001
Score 0	1,588 (16.3)	938 (28.9)	467 (14.4)	183 (5.7)	
Score 1	2,695 (27.7)	1,237 (38.2)	808 (24.9)	650 (20.1)	
Score 2	2,501 (25.7)	752 (23.2)	914 (28.2)	835 (25.8)	
Score 3	1,821 (18.7)	264 (8.1)	689 (21.2)	868 (26.8)	
Score 4	946 (9.7)	47 (1.5)	317 (9.8)	582 (18.0)	
Score 5	171 (1.8)	3 (0.1)	48 (1.5)	120 (3.7)	

Categorical variables were presented as number (%) and continuous variables were presented as mean ± standard deviation or median (interquartile range) as appropriate.

MET, metabolic equivalent of task; eGFR, estimated glomerular filtration rate; HDL, high-density lipoprotein; LDL, low-density lipoprotein.

^a)Post hoc *p*: first tertile vs. second tertile, statistically significant (*p* < 0.05).

^b)Post hoc *p*: first tertile vs. third tertile, statistically significant (*p* < 0.05).

^c)Post hoc *p*: second tertile vs. third tertile, statistically significant (*p* < 0.05).

^d)Assessed by nonparametric test.