

Supplemental Table S2. Characteristics of Male and Female Never Smokers with and without Metabolic Syndrome

Characteristic	Male never smokers			Female never smokers		
	MetS (-) (n=34,288)	MetS (+) (n=4,097)	P value	MetS (-) (n=76,310)	MetS (+) (n=3,914)	P value
Age, yr	34.0±6.1	37.0±7.5	<0.001	34.6±7.0	42.7±11.9	<0.001
Body mass index, kg/m ²	23.9±2.7	27.9±3.2	<0.001	21.2±2.8	26.7±3.9	<0.001
Waist circumference, cm	84.1±7.4	94.8±7.7	<0.001	74.4±7.6	88.4±8.5	<0.001
Systolic blood pressure, mm Hg	112.6±10.1	123.7±12.4	<0.001	100.0±9.7	115.1±15.3	<0.001
Diastolic blood pressure, mm Hg	71.2±8.2	80.6±10.2	<0.001	64.0±7.6	72.9±10.7	<0.001
Blood urea nitrogen, mmol/L	4.54±1.04	4.62±1.10	<0.001	4.05±1.05	4.22±1.22	<0.001
Serum creatinine, μmol/L	86.6±10.7	87.3±13.6	0.001	60.6±10.4	61.7±20.1	<0.001
Uric acid, μmol/L	366.6±70.7	405.4±81.0	<0.001	251.5±52.0	291.5±65.5	<0.001
Total cholesterol, mmol/L	5.00±0.84	5.35±0.95	<0.001	4.74±0.79	5.18±0.98	<0.001
Triglyceride, mmol/L	1.03 (0.76–1.39)	2.14 (1.75–2.76)	<0.001	0.75 (0.59–0.98)	1.81 (1.25–2.28)	<0.001
HDL-C, mmol/L	1.44±0.32	1.10±0.25	<0.001	1.74±0.37	1.22±0.29	<0.001
LDL-C, mmol/L	3.23±0.78	3.53±0.86	<0.001	2.77±0.72	3.41±0.90	<0.001
Glucose, mmol/L	5.17±0.53	5.89±1.27	<0.001	4.98±0.46	5.90±1.36	<0.001
Hemoglobin A1c, % (mmol/mol)	5.49±0.33	5.84±0.80	<0.001	5.50±0.30	6.00±0.86	<0.001
HOMA-IR	1.19 (0.80–1.73)	2.46 (1.76–3.48)	<0.001	1.07 (0.72–1.54)	2.44 (1.66–3.70)	<0.001
HOMA-β	11.9 (10.3–14.2)	8.9 (7.7–10.5)	<0.001	13.5 (11.4–16.2)	9.1 (7.6–11.1)	<0.001
hsCRP, mg/L	0.5 (0.3–0.9)	0.8 (0.5–1.6)	<0.001	0.3 (0.2–0.6)	0.9 (0.5–2.0)	<0.001
Vigorous exercise			<0.001			<0.001
None	17,126/34,055 (50.3)	2,304/4,044 (57.0)		54,670/75,278 (72.6)	2,662/3,808 (69.9)	
<3 times/wk	11,945/34,055 (35.1)	1,339/4,044 (33.1)		12,853/75,278 (17.1)	679/3,808 (17.8)	
≥3 times/wk	4,984/34,055 (14.6)	401/4,044 (9.9)		7,755/75,278 (10.3)	467/3,808 (12.3)	
Alcohol consumption			<0.001			<0.001
None	2,241/33,891 (6.6)	266/4,039 (6.6)		13,649/72,102 (18.9)	1,011/3,522 (28.7)	
1–2 times/wk	28,160/33,891 (83.1)	3,134/4,039 (77.6)		53,986/72,102 (74.9)	2,342/3,522 (66.5)	
3–4 times/wk	3,115/33,891 (9.2)	563/4,039 (13.9)		3,751/72,102 (5.2)	133/3,522 (3.8)	
≥5 times/wk	375/33,891 (1.1)	76/4,039 (1.9)		716/72,102 (1.0)	36/3,522 (1.0)	
Daily times of SHS exposure			<0.001			<0.001
None	24,951/29,897 (83.5)	2,903/3,483 (83.3)		60,946/69,319 (87.9)	2,971/3,439 (86.4)	
<1 hr/day	3,693/29,897 (12.4)	358/3,483 (10.3)		5,264/69,319 (7.6)	225/3,439 (6.5)	
≥1 hr/day	1,253/29,897 (4.2)	222/3,483 (6.4)		3,109/69,319 (4.5)	243/3,439 (7.1)	
Frequency of SHS exposure			<0.001			<0.001
None	24,918/34,195 (72.9)	2,896/4,079 (71.0)		60,892/76,045 (80.1)	2,966/3,889 (76.3)	
<3 times/wk	6,324/34,195 (18.5)	747/4,079 (18.3)		9,823/76,045 (12.9)	477/3,889 (12.3)	
≥3 times/wk	2,953/34,195 (8.6)	436/4,079 (10.7)		5,330/76,045 (7.0)	446/3,889 (11.5)	
Duration of SHS exposure			0.004			<0.001
None	24,875/31,156 (79.8)	2,891/3,658 (79.0)		60,568/70,797 (85.6)	2,939/3,563 (82.5)	
<10 yr	2,831/31,156 (9.1)	301/3,658 (8.2)		3,813/70,797 (5.4)	157/3,563 (4.4)	
≥10 yr	3,450/31,156 (11.1)	466/3,658 (12.7)		6,416/70,797 (9.1)	467/3,563 (13.1)	
Hypertension	2,607/34,288 (7.6)	1,538/4,097 (37.5)	<0.001	1,571/76,310 (2.1)	1,131/3,914 (28.9)	<0.001
Diabetes mellitus	346/34,284 (1.0)	454/4,096 (11.1)	<0.001	411/76,303 (0.5)	625/39,139 (16.0)	<0.001
SHS exposure	9,337/34,288 (27.2)	1,194/4,097 (29.1)	0.010	15,364/76,310 (20.1)	943/3,914 (24.1)	<0.001

Values are expressed as mean±standard deviation, median (interquartile range), or number (%). Triglyceride, HOMA-IR, HOMA-β, and hsCRP and daily alcohol amount were log-transformed for this analysis. P values are based on Student's t test or chi-square test.

MetS, metabolic syndrome; HDL-C, high-density lipoprotein cholesterol; LDL-C, low-density lipoprotein cholesterol; HOMA-IR, homeostatic model assessment of insulin resistance; HOMA-β, homeostatic model assessment of β cell function; hsCRP, high-sensitivity C-reactive protein; SHS, second-hand smoke.