

Supplementary Table 1. Baseline characteristics and metabolic syndrome status of male subjects

Characteristic	Overall	Metabolic syndrome		p value
		No	Yes	
No. of subjects	112,023	81,809 (73.0)	30,214 (27.0)	
Age group, yr				< 0.001
20–44	56,932 (50.82)	46,566 (56.92)	10,366 (34.31)	
45–65	43,499 (38.83)	28,644 (35.01)	14,855 (49.17)	
Above 65	11,592 (10.35)	6,599 (8.07)	4,993 (16.53)	
BMI, kg/m ²	24.15 ± 3.05	23.47 ± 2.74	25.98 ± 3.11	< 0.001
Waist, cm	83.60 ± 7.79	81.56 ± 6.77	89.14 ± 7.66	< 0.001
SBP, mmHg	124.75 ± 14.08	122.13 ± 13.17	131.84 ± 14.03	< 0.001
DBP, mmHg	78.13 ± 9.74	76.62 ± 9.23	82.23 ± 9.90	< 0.001
FBG, mg/dL	99.17 ± 25.72	93.92 ± 18.56	113.38 ± 35.27	< 0.001
TC, mg/dL	194.79 ± 36.29	192.79 ± 34.63	200.18 ± 39.97	< 0.001
TG, mg/dL	154.7 ± 108.51	55.94 ± 33.03	48.21 ± 29.12	< 0.001
HDL-C, mg/dL	53.9 ± 32.20	113.27 ± 39.89	110.30 ± 43.45	< 0.001
LDL-C, mg/dL	112.5 ± 40.90	1.28 ± 1.59	1.28 ± 1.53	< 0.001
Cr, mg/dL	1.3 ± 1.58	26.19 ± 17.29	30.77 ± 21.410	0.627
AST, mg/dL	27.4 ± 18.60	27.50 ± 22.66	36.77 ± 27.75	< 0.001
ALT, mg/dL	30.0 ± 24.48	42.78 ± 50.69	67.65 ± 82.07	< 0.001
γGT, mg/dL	49.5 ± 61.76	55.94 ± 33.03	48.21 ± 29.12	< 0.001
Hypertension	22,089 (21.16)	31,916 (54.29)	26,869 (45.71)	< 0.001
Diabetes mellitus	12,672 (38.68)	19,763 (45.61)	23,570 (54.39)	< 0.001
Cardiac disorders	6,863 (6.58)	2,592 (3.44)	4,271 (14.77)	< 0.001
Stroke	2,766 (2.65)	950 (1.26)	1,816 (6.28)	< 0.001
Smoking status				< 0.001
Non-smokers	32,711 (30.18)	24,195 (30.52)	8,516 (29.28)	
Past smokers	26,416 (24.38)	18,140 (22.88)	8,276 (28.45)	
Current smokers	49,242 (45.44)	36,946 (46.60)	12,296 (42.27)	
Alcohol consumption				< 0.001
Non-drinkers	30,630 (27.65)	21,798 (26.96)	8,832 (29.53)	
Social drinkers	7,570 (6.83)	5,730 (7.09)	1,840 (6.15)	
Heavy drinkers	72,573 (65.52)	53,333 (65.96)	19,240 (64.32)	
Exercise status				< 0.001
Non-active	92,959 (84.73)	68,084 (85.04)	24,875 (83.91)	
Active	16,749 (15.27)	11,979 (14.96)	4,770 (16.09)	
House hold income level				< 0.001
0–3	17,855 (15.94)	12,319 (15.06)	5,536 (18.32)	
4–7	46,673 (41.66)	35,346 (43.21)	11,327 (37.49)	
8–10	65,350 (58.34)	34,144 (41.74)	13,351 (44.19)	
Modified NCEP-ATP III criteria				
Abdominal obesity	19,686 (17.57)	5,688 (6.95)	13,998 (46.33)	< 0.001
Hypertriglyceridemia	52,396 (46.77)	25,200 (30.80)	27,196 (90.01)	< 0.001
Low HDL-C level	16,028 (14.31)	5,855 (7.16)	10,173 (33.67)	< 0.001
High blood pressure	52,396 (46.77)	31,916 (39.01)	26,869 (88.93)	< 0.001
Hyperglycemia	43,333 (38.68)	19,763 (24.16)	23,570 (78.01)	< 0.001

Values are presented as number (%) or geometric mean ± SD. Percentages may not sum to 100% because of missing data. Abdominal obesity, waist circumference ≥ 90 cm in men and ≥ 85 cm in women; hypertriglyceridemia, serum triglyceride ≥ 150 mg/dL; low HDL-C level, HDL-C < 40 mg/dL in men and < 50 mg/dL in women; high blood pressure, blood pressure ≥ 130/85 mmHg or current use of antihypertensive medication; hyperglycemia, serum glucose ≥ 100 mg/dL or current use of medication for diabetes.

BMI, body mass index; SBP, systolic blood pressure; DBP, diastolic blood pressure; FBG, fasting blood glucose; TC, total cholesterol; TG, triglyceride; HDL-C, high density lipoprotein cholesterol; LDL-C, low density lipoprotein cholesterol; Cr, creatinine; AST, aspartate transaminase; ALT, alanine aminotransferase; γGT, gamma-glutamyl transpeptidase; NCEP-ATP, National Cholesterol Education Program-Adult Treatment Panel.