

Supplementary Table 2. Baseline characteristics and metabolic syndrome status of female subjects

| Characteristic | Overall | Metabolic syndrome | | p value |
|--------------------------------|----------------|--------------------|----------------|---------|
| | | No | Yes | |
| No. of subjects | 92,745 | 67,284 (72.55) | 25,461 (27.45) | |
| Age group, yr | | | | < 0.001 |
| 20-44 | 37,081 (39.98) | 34,366 (51.08) | 2,715 (10.66) | |
| 45-65 | 41,507 (44.75) | 27,704 (41.17) | 13,803 (54.21) | |
| Above 65 | 14,157 (15.26) | 5,214 (7.75) | 8,943 (35.12) | |
| BMI, kg/m ² | 23.17 ± 3.34 | 22.27 ± 2.89 | 25.56 ± 3.29 | < 0.001 |
| Waist, cm | 76.14 ± 8.89 | 73.25 ± 7.40 | 83.76 ± 7.91 | < 0.001 |
| SBP, mmHg | 119.72 ± 15.63 | 115.90 ± 13.78 | 129.82 ± 15.75 | < 0.001 |
| DBP, mmHg | 74.21 ± 10.03 | 72.32 ± 9.29 | 79.20 ± 10.18 | < 0.001 |
| FBG, mg/dL | 95.10 ± 21.44 | 90.43 ± 13.89 | 107.41 ± 30.90 | < 0.001 |
| TC, mg/dL | 195.85 ± 37.54 | 191.90 ± 35.39 | 206.27 ± 40.91 | < 0.001 |
| TG, mg/dL | 111.86 ± 74.42 | 91.88 ± 52.94 | 164.67 ± 94.47 | < 0.001 |
| HDL-C, mg/dL | 60.10 ± 33.63 | 63.00 ± 33.78 | 52.44 ± 32.02 | < 0.001 |
| LDL-C, mg/dL | 115.50 ± 39.72 | 112.74 ± 38.66 | 122.79 ± 41.51 | < 0.001 |
| Cr, mg/dL | 0.92 ± 1.00 | 0.92 ± 1.03 | 0.91 ± 0.94 | 0.668 |
| AST, mg/dL | 22.90 ± 13.15 | 21.75 ± 11.62 | 25.93 ± 16.13 | < 0.001 |
| ALT, mg/dL | 19.97 ± 18.04 | 18.05 ± 16.17 | 25.05 ± 21.41 | < 0.001 |
| γGT, mg/dL | 22.04 ± 24.95 | 19.45 ± 19.77 | 28.89 ± 34.20 | < 0.001 |
| Hypertension | 20,394 (22.48) | 6,131 (9.36) | 14,263 (56.56) | < 0.001 |
| Diabetes mellitus | 10,757 (11.86) | 2,191 (3.35) | 8,566 (33.98) | < 0.001 |
| Cardiac disorders | 6,129 (6.76) | 1,900 (2.90) | 4,229 (16.78) | < 0.001 |
| Stroke | 2,283 (2.52) | 628 (0.96) | 1,655 (6.57) | < 0.001 |
| Smoking status | | | | < 0.001 |
| Non-smokers | 87,013 (95.14) | 62,954 (94.93) | 24,059 (95.67) | |
| Past smokers | 1,409 (1.54) | 1,098 (1.66) | 311 (1.24) | |
| Current smokers | 3,040 (3.32) | 2,263 (3.41) | 777 (3.09) | |
| Alcohol consumption | | | | < 0.001 |
| Non-drinkers | 64,289 (70.45) | 43,353 (65.49) | 20,936 (83.56) | |
| Social drinkers | 9,448 (10.35) | 7,794 (11.77) | 1,654 (6.60) | |
| Heavy drinkers | 17,516 (19.19) | 15,052 (22.74) | 2,464 (9.83) | |
| Exercise status | | | | < 0.001 |
| Non-active | 80,103 (87.73) | 58,376 (88.18) | 21,727 (86.55) | |
| Active | 11,199 (12.27) | 7,824 (11.82) | 3,375 (13.45) | |
| House hold income level | | | | < 0.001 |
| 0-3 | 26,560 (28.64) | 19,859 (29.52) | 6,701 (26.32) | |
| 4-7 | 36,738 (39.61) | 27,825 (41.35) | 8,913 (35.01) | |
| 8-10 | 29,447 (31.75) | 19,600 (29.13) | 9,847 (38.67) | |
| Modified NCEP-ATP III criteria | | | | |
| Abdominal obesity | 27,393 (29.54) | 9,553 (14.20) | 17,840 (70.07) | < 0.001 |
| Hypertriglyceridemia | 29,944 (32.29) | 9,972 (14.82) | 19,972 (78.44) | < 0.001 |
| Low HDL-C level | 25,633 (27.64) | 11,432 (16.99) | 14,201 (55.78) | < 0.001 |
| High blood pressure | 39,010 (42.06) | 17,145 (25.48) | 21,865 (85.88) | < 0.001 |
| Hyperglycemia | 28,217 (30.42) | 10,817 (16.08) | 17,400 (68.34) | < 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.