Supplementary Table 2. Baseline characteristics of study population stratified waist circumference in women

| Characteristic | WC <85 cm | | | WC ≥85cm | | | P value[h] |
	Normouricemia Group A (n=6,281)	Hyperuricemia[a] Group B (n=238)	P value	Normouricemia Group C (n=2051)	Hyperuricemia Group D (n=268)	P value	
Age, yr	45.21±0.29	47.71±1.27	0.052	56.95±0.47[i,j]	52.63±1.38[i,j]	0.003	<0.001
BMI, kg/m²	21.86±0.04	23.19±0.18	<0.001	27.67±0.09[i,j]	28.95±0.26[i,j]	<0.001	<0.001
WC, cm	73.77±0.11	76.97±0.48	<0.001	91.62±0.15[i,j]	93.33±0.53[i,j]	0.002	<0.001
SBP, mm Hg	112.31±0.26	117.89±1.46	<0.001	124.11±0.46[i,j]	123.89±1.5[i,j]	0.890	<0.001
DBP, mm Hg	72.47±0.15	75.45±0.77	<0.001	76.56±0.24[j]	77.95±0.77[i,j]	0.080	<0.001
FPG, mg/dL	93.79±0.21	96.34±1.31	0.052	108.63±0.8[i,j]	106.84±1.67[i,j]	0.348	<0.001
HbA1c, %	5.47±0.01	5.57±0.05	0.026	6.01±0.03[i,j]	5.98±0.08[i,j]	0.745	<0.001
TG, mg/dL	98.73±0.98	134.79±7.17	<0.001	143.61±2.33[i]	175.51±83.2[i,j]	<0.001	<0.001
HDL-C, mg/dL	56.67±0.21	53.41±0.99	0.001	50.14±0.29[i,j]	48.02±0.84[i,j]	0.008	<0.001
LDL-C, mg/dL	115.51±0.45	122.83±2.45	0.004	120.12±0.96[i]	127.69±2.7[i]	0.008	<0.001
TC, mg/dL	191.49±0.51	202.45±2.44	<0.001	197.68±1.04[i]	207.29±2.93[i]	0.002	<0.001
Uric acid, mg/dL	4.19±0.01	6.55±0.04	<0.001	4.46±0.02[i,j]	6.55±0.03[i]	<0.001	<0.001
eGFR, mL/min/1.73 m²	102.72±0.35	92.84±1.48	<0.001	96.99±0.57[i,j]	91.57±1.45[i]	<0.001	<0.001
Smoking			0.002			0.370	0.005
Never smoker	5,572 (87.5)	203 (82.4)		1,836 (88.8)[j]	230 (88.1)		
Ex-smoker	374 (6.4)	11 (4.8)		120 (5.9)[j]	13 (4.7)		
Current smoker	334 (6.2)	24 (12.8)		95 (5.3)[j]	25 (7.2)		
Alcohol intake			0.012			0.014	<0.001
Nondrinker	1,928 (27.3)	72 (27.0)		914 (41.9)[i,j]	100 (31.8)		
Light drinker	4,218 (70.1)	153 (66.4)		1,085 (55.0)[i,j]	157 (63.7)		
Moderate-to-heavy drinker	134 (2.6)	13 (6.6)		52 (3.0)[i,j]	11 (4.6)		
Physically active	962 (16.4)	43 (21.3)	0.098	177 (9.0)[i,j]	33 (14.1)	0.027	<0.001
Household income			0.725			0.162	0.015
Low	789 (16.9)	27 (14.4)		203 (15.8)[i]	33 (16.5)[i]		
Middle	3,126 (54.7)	125 (56.5)		1,027 (59.3)[i]	146 (65.3)[i]		
High	1,684 (28.5)	62 (29.1)		432 (24.9)[i]	42 (18.2)[i]		
Education level			0.060			0.012	<0.001
Elementary school or less	1,065 (13.5)	59 (19.3)		897 (40.2)[i,j]	87 (28.6)[i,j]		
Middle school	538 (7.9)	22 (8.6)		251 (12.5)[i,j]	45 (16.3)[i,j]		
High school	1,877 (33.6)	78 (35.6)		470 (27.1)[i,j]	70 (28.5)[i,j]		
Collage or more	2,518 (45.0)	68 (36.6)		345 (20.2)[i,j]	59 (26.6)[i,j]		
Postmenopause	2,734 (36.3)	134 (48.9)	0.001	1,467 (65.8)[i,j]	174 (56.6)[i]	0.016	<0.001
Diabetes	397 (5.1)	26 (8.4)	0.025	512 (24.0)[i,j]	63 (22.0)[i,j]	0.544	<0.001
Hypertension	1,257 (16.2)	89 (29.9)	<0.001	1,021 (45.3)[i,j]	155 (51.5)[i,j]	0.113	<0.001
Abdominal obesity[b]	-	-	-	-	-	-	
High BP[c]	1,688 (22.7)	111 (39.7)	<0.001	1,215 (54.8)[i,j]	173 (57.9)[i,j]	0.439	<0.001
Hyperglycemia[d]	1,766 (23.8)	119 (42.6)	<0.001	1,332 (62.4)[i,j]	188 (64.8)[i,j]	0.530	<0.001
Hypertriglycemia[e]	1,393 (19.3)	95 (37.3)	<0.001	1,057 (49.9)[i,j]	164 (58.5)[i,j]	0.028	<0.001
Low HDL-C[f]	2,022 (30.2)	111 (42.3)	0.001	1,079 (51.9)[i,j]	166 (62.5)[i,j]	0.006	<0.001
MetS[g]	953 (12.2)	87 (29.9)	<0.001	1,483 (69.5)[i,j]	212 (76.1)[i,j]	0.096	<0.001

Values are presented as mean±standard error or number (%).
WC, waist circumference; BMI, body mass index; SBP, systolic blood pressure; DBP, diastolic blood pressure; FPG, fasting plasma glucose; HbA1c, glycosylated hemoglobin; TG, triglyceride; HDL-C, high-density lipoprotein cholesterol; LDL-C, low-density lipoprotein cholesterol; TC, total cholesterol; eGFR, estimated glomerular filtration rate; BP, blood pressure; MetS, metabolic syndrome.
[a]Serum uric acid level of ≥7.0 mg/dL in men and ≥6.0 mg/dL in women, [b]WC ≥90 cm in men or ≥85 cm in women, [c]Systolic BP ≥130 mm Hg and/or diastolic BP ≥85 mm Hg or use of antihypertensive medications, [d]FPG ≥100 mg/dL or use of antidiabetic medications, [e]TG ≥150 mg/dL or medication use, [f]HDL-C <40 mg/dL in men and <50 mg/dL in women or medication use, [g]Having three or more of the aforementioned components, [h]Comparison between four groups, [i]P<0.05 compared with Group A, [j]P<0.05 compared with Group B.