

S2 Table. Baseline characteristics of enrolled National Health Insurance Service cohort according to the TG levels and TG quartile among participants aged 20–49 years in 2011

	TG for index year (2011)			TG quartile for index year (2011)				
	<150 (n=2,384,977)	≥150 (n=955,658)	p-value	Q1 (n=838,610)	Q2 (n=835,615)	Q3 (n=831,296)	Q4 (n=835,114)	p-value
TG ^a (mg/dL)	80.88 (80.85-80.92)	222.71 (222.57-222.85)	<0.0001	52.80 (52.77-52.82)	86.12 (86.10-86.14)	128.31 (128.28-128.35)	234.71 (234.55-234.86)	<0.0001
TG (mg/dL)	86.6±30.59	236±94.79	<0.0001	54.04±10.87	86.67±9.76	129.29±15.97	247.71±95.89	<0.0001
Male sex	1,296,594 (54.37)	826,346 (86.47)	<0.0001	309,540 (36.91)	471,536 (56.43)	611,989 (73.62)	729,875 (87.4)	<0.0001
Age at recruitment (yr)	37.95±7.12	39.25±6.22	<0.0001	36.86±7.47	38.25±7.01	38.93±6.59	39.27±6.19	<0.0001
20-29	367,625 (15.41)	65,621 (6.87)	<0.0001	181,608 (21.66)	116,286 (13.92)	79,747 (9.59)	55,605 (6.66)	<0.0001
30-39	880,124 (36.9)	394,451 (41.28)		295,156 (35.20)	308,856 (36.96)	324,463 (39.03)	346,100 (41.44)	
40-49	1,137,228 (47.68)	495,586 (51.86)		361,846 (43.15)	410,473 (49.12)	427,086 (51.38)	433,409 (51.90)	
Smoking status	621,890 (26.08)	458,061 (47.93)	<0.0001	138,285 (16.49)	224,894 (26.91)	308,714 (37.14)	408,058 (48.86)	<0.0001
Alcohol consumption	154,763 (6.49)	134,989 (14.13)	<0.0001	33,797 (4.03)	54,530 (6.53)	79,663 (9.58)	121,762 (14.58)	<0.0001
Regular exercise	429,754 (18.02)	153,802 (16.09)	<0.0001	157,255 (18.75)	149,837 (17.93)	142,840 (17.18)	133,624 (16.00)	<0.0001
Low-income	334,596 (14.03)	89,883 (9.41)	<0.0001	134,406 (16.03)	116,841 (13.98)	95,774 (11.52)	77,458 (9.28)	<0.0001
Obesity	550,314 (23.07)	503,493 (52.69)	<0.0001	104,801 (12.50)	192,796 (23.07)	304,759 (36.66)	451,451 (54.06)	<0.0001
Diabetes mellitus	58,682 (2.46)	71,389 (7.47)	<0.0001	10,866 (1.30)	19,889 (2.38)	34,004 (4.09)	65,312 (7.82)	<0.0001
Hypertension	226,974 (9.52)	196,613 (20.57)	<0.0001	48,468 (5.78)	79,958 (9.57)	118,555 (14.26)	176,606 (21.15)	<0.0001
Anti-dyslipidemia medications	49,211 (2.06)	53,344 (5.58)	<0.0001	8,764 (1.05)	16,960 (2.03)	28,556 (3.44)	48,275 (5.78)	<0.0001
Height (cm)	166.43±8.59	170.23±7.44	<0.0001	164.47±8.31	166.62±8.66	168.65±8.27	170.34±7.36	<0.0001
Weight (kg)	63.68±11.77	73.77±11.7	<0.0001	59.21±10.25	63.97±11.43	68.97±11.81	74.16±11.65	<0.0001
BMI (kg/m ²)	22.88±3.14	25.38±3.19	<0.0001	21.80±2.78	22.94±3.06	24.16±3.19	25.49±3.18	<0.0001
WC (cm)	77.16±8.92	85.06±8.14	<0.0001	73.50±8.04	77.47±8.57	81.41±8.51	85.35±8.08	<0.0001
Fasting glucose (mg/dL)	91.80±15.25	99.22±25.26	<0.0001	89.24±12.40	92.05±14.97	94.77±18.29	99.65±25.85	<0.0001
Systolic blood pressure (mmHg)	117.68±13.08	124.52±13.24	<0.0001	114.56±12.56	118.01±12.91	121.21±13.02	124.80±13.25	<0.0001
Diastolic blood pressure	73.98±9.39	78.83±9.63	<0.0001	71.81±9.01	74.20±9.26	76.45±9.42	79.04±9.64	<0.0001

(mmHg)

Total cholesterol (mg/dL)	185.56±31.61	207.16±35.81	<0.0001	176.30±28.90	186.68±30.78	195.92±32.71	208.15±36.05	<0.0001
HDL-C (mg/dL)	58.69±19.04	48.63±16.7	<0.0001	63.23±19.04	58.23±19.24	53.52±17.34	48.22±16.70	<0.0001
LDL-C (mg/dL)	109.8±29.90	113.02±35.72	<0.0001	102.30±26.96	111.40±29.55	117.02±31.69	112.23±36.13	<0.0001

Values are presented as mean±SD or number (%). BMI, body mass index; CI, confidence interval; HDL-C, high-density lipoprotein cholesterol; LDL-C, low-density lipoprotein cholesterol; SD, standard deviation; TG, triglyceride; WC, waist circumference. ^{a)}Geometric mean (95% CI). TG levels are stratified into quartiles (Q1: < 71 mg/dL, Q2: 71-104 mg/dL, Q3: 105-160 mg/dL, Q4: ≥ 161 mg/dL).