

**Supplementary Table 2.** Baseline characteristics of the study participant according to occurrence for new-onset DM

Variable	Total	New-onset DM (+)	New-onset DM (-)	P value
Number	1,607,508	113,332	1,494,176	<0.0001
Age, yr	48.66±13.14	57.07±11.67	48.03±13.02	<0.0001
Waist circumference, cm	79.67±8.59	84.41±8.35	79.31±8.50	<0.0001
Health screening period 1 (2010–2011)				
Body mass index, kg/m <sup>2</sup>	23.54±3.14	25.22±3.29	23.42±3.09	<0.0001
pASMMI, kg	7.29±1.22	7.51±1.22	7.27±1.22	<0.0001
pBFMI, kg	6.34±1.95	7.33±2.15	6.27±1.91	<0.0001
pLBMI, kg	17.01±2.22	17.69±2.23	16.96±2.21	<0.0001
Health screening period 2 (2012–2013)				
Body mass index, kg/m <sup>2</sup>	23.66±3.18	25.31±3.40	23.53±3.13	<0.0001
pASMMI, kg/m <sup>2</sup>	7.30±1.23	7.52±1.24	7.28±1.22	<0.0001
pBFMI, kg/m <sup>2</sup>	6.41±1.96	7.38±2.19	6.33±1.92	<0.0001
pLBMI, kg/m <sup>2</sup>	17.06±2.24	17.72±2.27	17.01±2.23	<0.0001
Household income				
T1, lowest	261,619 (16.27)	21,343 (18.83)	240,276 (16.08)	<0.0001
T2	333,102 (20.72)	21,194 (18.70)	311,908 (20.87)	
T3	453,010 (28.18)	29,471 (26.00)	423,539 (28.35)	
T4, highest	559,777 (34.82)	41,324 (36.46)	518,453 (34.70)	
Smoking				
Never	994,100 (61.84)	70,169 (61.91)	923,931 (61.84)	<0.0001
Former	252,411 (15.70)	19,229 (16.97)	233,182 (15.61)	
Current	360,997 (22.46)	23,934 (21.12)	337,063 (22.56)	
Alcohol consumption, day/wk				
<1	828,178 (51.52)	68,338 (60.30)	759,840 (50.85)	<0.0001
1–2	570,010 (35.46)	29,768 (26.27)	540,242 (36.16)	
3–4	154,939 (9.64)	10,247 (9.04)	144,692 (9.68)	
≥5	54,381 (3.38)	4,979 (4.39)	49,402 (3.31)	
Physical activity, day/wk				
<1	906,977 (56.42)	69,467 (61.30)	837,510 (56.05)	<0.0001
1–2	428,164 (26.64)	24,187 (21.34)	403,977 (27.04)	
3–4	176,569 (10.98)	11,843 (10.45)	164,726 (11.02)	
≥5	95,798 (5.96)	7,835 (6.91)	87,963 (5.89)	
Fasting serum glucose, mg/dL				
<100	92.68±8.94	99.43±10.15	92.16±8.63	<0.0001
100–126	1,018,523 (63.36)	515,383 (87.50)	978,793 (96.10)	
100–126	588,985 (36.64)	73,602 (12.50)	39,730 (3.90)	
Comorbidity				
Hypertension	438,088 (27.25)	61,843 (54.57)	376,245 (25.18)	<0.0001
Dyslipidemia	366,322 (22.79)	49,066 (43.29)	317,256 (21.23)	<0.0001
Atrial fibrillation	8,072 (0.50)	1,435 (1.27)	6,637 (0.44)	<0.0001

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Supplementary Table 2. Continued

Variable	Total	New-onset DM (+)	New-onset DM (-)	P value
Estimated glomerular filtration rate, mL/min/1.73 m <sup>2</sup>				<0.0001
<30	1,054 (0.07)	285 (0.25)	769 (0.05)	
30–60	73,679 (4.58)	8,372 (7.39)	65,307 (4.37)	
60–90	1,006,174 (62.59)	74,546 (65.78)	931,628 (62.35)	
≥90	526,601 (32.76)	30,129 (26.58)	496,472 (33.23)	
Charlson comorbidity index				<0.0001
0	1,190,350 (74.05)	64,466 (56.88)	1,125,884 (75.35)	
1	289,391 (18.00)	29,731 (26.23)	259,660 (17.38)	
≥2	127,767 (7.95)	19,135 (16.88)	108,632 (7.27)	

Values are expressed as mean ± standard deviation or number (%). P value by independent *t*-test or chi-square test.

DM, diabetes mellitus; pASMMI, predicted appendicular skeletal muscle mass index; pBFMI, predicted body fat mass index; pLBMI, predicted lean body mass index.