

Supplementary Table 2. Clinico-epidemiological characteristics of total participants (N=299,698)

Variable	Number (%)	Mean (SD)
Gender: male	133,881 (44.7)	
Age		
20–29	68,549 (22.9)	
30–39	49,161 (16.4)	
40–49	45,128 (15.1)	
50–59	49,282 (16.4)	
60–69	39,315 (13.1)	
70–79	26,212 (8.7)	
80+	22,051 (7.4)	
Residence in 2020		
Seoul	49,414 (16.5)	
Gyeonggido	52,728 (17.6)	
Daegu	93,238 (31.1)	
Gyeongsangbukdo	24,805 (8.3)	
Other area	79,513 (26.5)	
Annual income level in 2020		
Q1 (lowest)	67,558 (22.5)	
Q2	59,774 (19.9)	
Q3	73,378 (24.5)	
Q4	93,855 (31.3)	
Unknown	5,133 (1.7)	
Underlying disability		
Mild to moderate	13,971 (4.7)	
Severe	9,713 (3.2)	
Charlson comorbidity index		3.0 (3.1)
Myocardial infarction	9,699 (3.2)	
Congestive heart failure	28,781 (9.6)	
Peripheral vascular disease	53,827 (18.0)	
Cerebrovascular disease	40,400 (13.5)	
Dementia	20,605 (6.9)	
Chronic pulmonary disease	168,917 (56.4)	
Rheumatic disease	30,216 (10.1)	
Peptic ulcer disease	134,746 (45.0)	
Mild liver disease	133,180 (44.4)	
Diabetes without chronic complication	80,117 (26.7)	
Diabetes with chronic complication	26,257 (8.8)	
Hemiplegia or paraplegia	5,681 (1.9)	
Renal disease	12,923 (4.3)	
Any malignancy	40,994 (13.7)	
Moderate or severe liver disease	2,354 (0.8)	
Metastatic solid tumour	7,495 (2.5)	
AIDS/HIV	535 (0.2)	
Underlying psychiatric illness		
Anxiety disorder	67,960 (22.7)	
Depression	46,348 (15.5)	
Bipolar disorder	9,298 (3.1)	
Substance abuse	3,859 (1.3)	
PTSD	396 (0.1)	
Development of insomnia in 2020	7,992 (2.7)	

SD, standard deviation; AIDS, acquired immunodeficiency syndrome; HIV, human immunodeficiency virus; PTSD, post-traumatic stress disorder