

**Supplementary material 2.** Baseline characteristics of participants by CKD status ( $n = 246,798$ , complete case analysis)

Characteristic	Non-CKD ( $n = 202,349$ )	CKD ( $n = 44,449$ )
Age, years	63.5±8.2	66.4±6.5
Males (%)	75,291 (37.2)	23,171 (52.1)
Healthy lifestyle score (%)		
0	547 (0.3)	130 (0.3)
1	5,522 (2.7)	1,225 (2.8)
2	22,256 (11.0)	5,255 (11.8)
3	54,708 (27.0)	12,459 (28.0)
4	86,455 (42.7)	17,764 (40.0)
5	32,861 (16.2)	7,616 (17.1)
Current smoker (%)	27,151 (13.4)	5,760 (13.0)
Body mass index, kg/m <sup>2</sup>	22.9±3.2	23.8±3.4
Alcohol >20 g/day (%)	30,773 (15.2)	7,031 (15.8)
Regular exercise		
Exercise to light sweat (%)	85,134 (42.1)	21,864 (49.2)
Walking >1 hr/day (%)	104,043 (51.4)	23,708 (53.3)
Eating habit		
Snacks after supper (%)	27,974 (13.8)	5,733 (12.9)
Skipping breakfast (%)	19,443 (9.6)	3,932 (8.8)
History		
Stroke (%)	6,774 (3.3)	2,796 (6.3)
Heart disease (%)	11,813 (5.8)	4,434 (10.0)
Comorbidity		
Hypertension (%)	86,002 (42.5)	25,746 (57.9)
Systolic BP, mmHg	128±17	132±18
Diastolic BP, mmHg	76±11	77±11
Anti-hypertensive medication (%)	53,794 (26.6)	18,440 (41.5)
Diabetes	18,517 (9.2)	6,270 (14.1)
Hemoglobin A <sub>1c</sub> , %	5.8±0.7	5.9±0.8
Anti-diabetic medication (%)	8,862 (4.4)	3,460 (7.8)
Hypercholesterolemia	85,341 (42.2)	23,630 (46.8)
LDL cholesterol, mg/dl	126±30	126±31
Cholesterol-lowering medication (%)	30,138 (14.9)	8,882 (20.0)
Proteinuria (%)	0 (0)	14,262 (29.4)
Serum Cr, mg/dl	0.67±0.13	0.94±0.42
eGFR, ml/min/1.73 m <sup>2</sup>	79±14	58±14
CKD stage 1-2 (%)	-	9,604 (21.6%)
G3a (%)	-	31,188 (70.2%)
G3b (%)	-	3,038 (6.8%)
G4-5 (%)	-	619 (1.4%)

Data are presented as mean±standard deviation or number (percentage). All percentages may not total 100% due to rounding.

BP, blood pressure; CKD, chronic kidney disease; Cr, creatinine; eGFR, estimated glomerular filtration rate; LDL, low-density lipoprotein.

The definitions of the clinical characteristics are provided in the text.