

Supplementary Table 4. Association between sleep duration and CKD criteria after excluding hypertension, diabetes mellitus, and cardiovascular disease

Exclusion criteria	Total no.	No. (%)	OR, hr/day ^a	
			Unadjusted OR (95% CI)	Adjusted OR (95% CI) ^b
High creatinine				
Hypertension				
Men	332	14 (4.2)	1.186 (0.770–1.829)	1.345 (0.764–2.370)
Women	512	16 (3.1)	1.196 (0.792–1.806)	1.246 (0.697–2.228)
Diabetes mellitus				
Men	460	34 (7.4)	1.168 (0.882–1.547)	1.154 (0.837–1.591)
Women	735	46 (6.3)	1.239 (0.979–1.569)	1.127 (0.880–1.444)
Cardiovascular disease				
Men	485	31 (6.4)	0.996 (0.751–1.321)	1.012 (0.745–1.373)
Women	772	49 (6.4)	1.289 (1.029–1.614)	1.264 (1.004–1.592)
Low eGFR				
Hypertension				
Men	332	16 (4.8)	1.076 (0.716–1.618)	1.172 (0.686–2.004)
Women	512	17 (3.3)	1.249 (0.838–1.860)	1.285 (0.701–2.357)
Diabetes mellitus				
Men	460	37 (8.0)	1.178 (0.899–1.544)	1.184 (0.867–1.617)
Women	735	55 (7.5)	1.239 (0.997–1.540)	1.110 (0.883–1.397)
Cardiovascular disease				
Men	485	34 (7.0)	1.117 (0.853–1.462)	1.129 (0.845–1.508)
Women	772	57 (7.4)	1.247 (1.010–1.539)	1.213 (0.975–1.509)
Low CKD				
Hypertension				
Men	332	18 (5.4)	1.119 (0.761–1.645)	1.127 (0.705–1.800)
Women	512	18 (3.5)	1.224 (0.829–1.805)	1.267 (0.720–2.229)
Diabetes mellitus				
Men	460	39 (8.5)	1.153 (0.885–1.501)	1.136 (0.836–1.545)
Women	735	58 (7.9)	1.248 (1.009–1.543)	1.144 (0.913–1.432)
Cardiovascular disease				
Men	485	38 (7.8)	1.083 (0.838–1.399)	1.064 (0.807–1.402)
Women	772	61 (7.9)	1.269 (1.035–1.557)	1.237 (1.000–1.530)

CKD, chronic kidney disease; OR, odds ratio; CI, confidence interval; eGFR, estimated glomerular filtration rate.

^aContinuous model: association analysis on total sleep duration as a continuous variable.

^bAdjusted model: adjusted for sex, age, body mass index, systolic blood pressure, smoking, alcohol, exercise, diabetes mellitus, hypercholesterolemia, depression, history of cancer, menopause, socioeconomic status (household income, marital status, and working status), and sleep quality (sleep difficulty, sleep awakensness, snoring, and sleep apnea).