

Supplementary Material

	ICD 8	ICD 9	ICD 10
OSA	-	3472A	G47.3
CHD	410 4110	410 4110	I200 I21 I22
STR	431 433 434 436	431 4330A 4331A 4339A 4340A 4341A 4349A 436	I61 I63 I64
T2DM	250	250	E11 E12 E13 E14
DKD	58200 25004	585 2503A 2503B	N18 N19 E102 E112

Supplementary Table 1. ICD-codes (Finnish national version) for each endpoint definition. OSA=obstructive sleep apnea. CHD=coronary heart disease. STR=stroke. T2DM= type 2 diabetes. DKD=diabetic kidney disease.

	Number of events/ Subjects at risk	Raw model		Adjusted model	
		HR [95% CI]	p	HR [95% CI]	p
FINRISK	1285/28367	0.99 [0.73-1.36]	0.981	0.92 [0.67-1.26]	0.602
H2000	345/6350	1.41 [0.71-2.76]	0.320	1.44 [0.73-2.84]	0.288
Combined	1630/34717	1.06 [0.80-1.41]	0.689	0.99 [0.75-1.33]	0.981

Supplementary Table 2. Hazard ratios between individuals with OSA and the population for incident stroke events. The FINRISK raw model is adjusted with age, cohort year, geographical area and gender. The adjusted model is adjusted with HDL and total cholesterol, current cigarette smoking, BMI, hypertension, prevalent type 2 diabetes and family history of stroke or myocardial infarction in addition to covariates of the raw model. The H2000 raw model is adjusted with geographical area. The adjusted model is adjusted with HDL and total cholesterol, current cigarette smoking, BMI, hypertension and prevalent type 2 diabetes in addition to covariates of the raw model.