

Supplementary Table 4. Sensitivity analysis: association of self-rated health status measures with risk of first-ever stroke*

Outcome categories	Exposure categories	HR (95% CI)		
		No major depression episodes [†]	No comorbidities [†]	Not died or developed stroke in the first 2 years [§]
First-ever stroke	General SRH			
	Excellent	1.00	1.00	1.00
	Good	1.04 (1.00–1.08)	1.07 (1.00–1.16)	1.03 (0.99–1.08)
	Fair	1.19 (1.15–1.23)	1.20 (1.12–1.28)	1.18 (1.13–1.23)
	Poor	1.49 (1.42–1.56)	1.55 (1.40–1.71)	1.43 (1.36–1.51)
	Age-comparative SRH			
	Better	1.00	1.00	1.00
	Same	1.13 (1.09–1.17)	1.18 (1.11–1.26)	1.11 (1.07–1.16)
Worse	1.51 (1.45–1.58)	1.54 (1.41–1.68)	1.44 (1.38–1.51)	
Hemorrhagic stroke	General SRH			
	Excellent	1.00	1.00	1.00
	Good	1.09 (0.99–1.20)	1.01 (0.84–1.23)	1.06 (0.95–1.18)
	Fair	1.18 (1.08–1.29)	1.11 (0.93–1.33)	1.16 (1.05–1.28)
	Poor	1.62 (1.45–1.80)	1.47 (1.15–1.89)	1.52 (1.34–1.72)
	Age-comparative SRH			
	Better	1.00	1.00	1.00
	Same	1.14 (1.05–1.24)	1.26 (1.06–1.50)	1.14 (1.04–1.25)
Worse	1.57 (1.43–1.73)	1.68 (1.34–2.10)	1.49 (1.34–1.66)	
Ischemic stroke	General SRH			
	Excellent	1.00	1.00	1.00
	Good	1.03 (0.99–1.08)	1.08 (0.99–1.16)	1.03 (0.98–1.08)
	Fair	1.20 (1.15–1.24)	1.22 (1.13–1.31)	1.18 (1.13–1.24)
	Poor	1.45 (1.38–1.53)	1.51 (1.36–1.69)	1.40 (1.32–1.49)
	Age-comparative SRH			
	Better	1.00	1.00	1.00
	Same	1.14 (1.10–1.18)	1.17 (1.09–1.25)	1.12 (1.08–1.16)
Worse	1.49 (1.43–1.57)	1.48 (1.34–1.63)	1.43 (1.36–1.51)	
Fatal stroke	General SRH			
	Excellent	1.00	1.00	1.00
	Good	1.06 (0.94–1.20)	1.16 (0.91–1.48)	1.05 (0.92–1.20)
	Fair	1.27 (1.14–1.42)	1.23 (0.98–1.55)	1.28 (1.13–1.46)
	Poor	1.91 (1.68–2.18)	2.16 (1.62–2.88)	1.86 (1.60–2.15)
	Age-comparative SRH			
	Better	1.00	1.00	1.00
	Same	1.17 (1.06–1.29)	1.28 (1.04–1.58)	1.16 (1.04–1.29)
Worse	1.81 (1.61–2.03)	1.97 (1.52–2.55)	1.70 (1.50–1.94)	

Supplementary Table 4. Continued

Outcome categories	Exposure categories	HR (95% CI)		
		No major depression episodes [†]	No comorbidities [‡]	Not died or developed stroke in the first 2 years [§]
Non-fatal stroke	General SRH			
	Excellent	1.00	1.00	1.00
	Good	1.04 (1.00–1.08)	1.06 (0.98–1.14)	1.03 (0.98–1.08)
	Fair	1.18 (1.14–1.23)	1.20 (1.12–1.29)	1.17 (1.12–1.22)
	Poor	1.43 (1.36–1.51)	1.48 (1.33–1.65)	1.38 (1.30–1.46)
	Age-comparative SRH			
	Better	1.00	1.00	1.00
Same	1.13 (1.09–1.17)	1.17 (1.10–1.25)	1.11 (1.07–1.15)	
	Worse	1.47 (1.40–1.54)	1.49 (1.35–1.63)	1.41 (1.34–1.48)

HR, hazard ratio; CI, confidence interval; SRH, self-rated health status.

*HR (95% CI) were calculated after stratification by age (5 years intervals), sex, region (10 areas) and adjustment for age (continuous), marital status, education, annual household income, occupation, healthcare coverage, housing condition, menopausal status, sleep problems, cigarette smoking, alcohol drinking, physical activity (continuous), body mass index (continuous), family history of stroke, presence of baseline major depressive episodes, diabetes, hypertension and other prevalent diseases (yes, no). The categories and definitions of all categorical variables were illustrated in the 'Covariates' section of the Methods; [†]2,972 participants with baseline major depression episodes were excluded and 483,569 remained for analysis; [‡]238,007 participants with baseline comorbidities were excluded and 248,534 remained for analysis; [§]8,216 participants who died or developed stroke in the first 2 years of follow-up were excluded and 478,325 remained for analysis.