

**Supplementary Table 2.** Stratified analysis: association of general self-rated health status with risk of first-ever stroke

Subgroup	Cases/person-years	HR (95% CI)		Pfor interaction
		Model 1*	Model 2†	
<b>Age</b>				
0.01				
<b>&lt;65 years old</b>				
Excellent	2,652/563,348	1.00	1.00	
Good	4,269/905,358	1.09 (1.04–1.15)	1.07 (1.02–1.13)	
Fair	8,438/1,277,830	1.31 (1.26–1.37)	1.23 (1.18–1.29)	
Poor	2,333/266,096	1.77 (1.67–1.87)	1.55 (1.46–1.64)	
<b>≥65 years old</b>				
Excellent	1,552/61,542	1.00	1.00	
Good	2,218/106,030	1.01 (0.94–1.07)	0.99 (0.93–1.06)	
Fair	4,894/199,043	1.17 (1.10–1.24)	1.12 (1.06–1.19)	
Poor	1,306/45,558	1.48 (1.37–1.60)	1.39 (1.29–1.51)	
<b>Sex</b>				
0.18				
<b>Men</b>				
Excellent	2,211/287,366	1.00	1.00	
Good	3,355/424,806	1.08 (1.02–1.14)	1.06 (1.00–1.12)	
Fair	6,085/566,892	1.27 (1.21–1.33)	1.20 (1.14–1.27)	
Poor	1,429/102,599	1.69 (1.57–1.81)	1.53 (1.42–1.64)	
<b>Women</b>				
Excellent	1,993/337,524	1.00	1.00	
Good	3,132/586,582	1.04 (0.98–1.10)	1.02 (0.96–1.08)	
Fair	7,247/909,981	1.24 (1.18–1.30)	1.17 (1.12–1.24)	
Poor	2,210/209,055	1.62 (1.53–1.73)	1.46 (1.37–1.56)	
<b>Administrative region</b>				
0.03				
<b>Rural</b>				
Excellent	1,499/276,278	1.00	1.00	
Good	3,916/650,391	1.11 (1.04–1.18)	1.09 (1.03–1.16)	
Fair	6,877/848,018	1.28 (1.20–1.35)	1.23 (1.16–1.30)	
Poor	2,221/202,093	1.72 (1.61–1.84)	1.57 (1.47–1.69)	
<b>Urban</b>				
Excellent	2,705/348,611	1.00	1.00	
Good	2,571/360,997	1.02 (0.97–1.08)	1.01 (0.95–1.06)	
Fair	6,455/628,855	1.24 (1.19–1.30)	1.18 (1.12–1.23)	
Poor	1,418/109,561	1.58 (1.48–1.69)	1.41 (1.32–1.51)	
<b>Education</b>				
0.02				
<b>No formal education</b>				
Excellent	706/94,554	1.00	1.00	
Good	1,683/212,177	1.15 (1.05–1.26)	1.13 (1.03–1.23)	
Fair	3,020/259,727	1.29 (1.19–1.41)	1.24 (1.14–1.35)	
Poor	1,058/76,866	1.58 (1.43–1.75)	1.46 (1.32–1.61)	
<b>1–6 Years</b>				
Excellent	1,175/163,094	1.00	1.00	
Good	2,238/327,233	1.05 (0.98–1.13)	1.04 (0.96–1.11)	
Fair	4,819/494,883	1.23 (1.15–1.31)	1.18 (1.11–1.26)	
Poor	1,338/110,533	1.71 (1.57–1.85)	1.57 (1.44–1.70)	

Supplementary Table 2. Continued

Subgroup	Cases/person-years	HR (95% CI)		Pfor interaction	
		Model 1*	Model 2*		
7–13 Years					
Excellent	1,857/309,761	1.00	1.00	0.26	
Good	2,205/423,699	1.01 (0.94–1.07)	0.99 (0.93–1.05)		
Fair	4,706/645,620	1.24 (1.17–1.31)	1.17 (1.11–1.24)		
Poor	1,105/115,223	1.62 (1.50–1.74)	1.43 (1.32–1.54)		
≥14 Years					
Excellent	466/570,480	1.00	1.00		
Good	361/480,279	1.06 (0.92–1.22)	1.05 (0.92–1.21)		
Fair	733/760,645	1.34 (1.18–1.18)	1.26 (1.11–1.42)		
Poor	138/90,033	2.10 (1.72–2.55)	1.88 (1.54–2.29)		
Annually household income					
<10,000 Yuan					
Excellent	1,097/137,948	1.00	1.00		
Good	1,993/267,558	1.02 (0.95–1.10)	1.01 (0.94–1.09)		
Fair	4,230/440,900	1.22 (1.14–1.31)	1.19 (1.11–1.27)		
Poor	1,650/142,713	1.57 (1.45–1.70)	1.46 (1.34–1.58)		
10,000–19,999 Yuan					
Excellent	1,338/166,797	1.00	1.00		
Good	2,057/283,519	1.05 (0.98–1.13)	1.03 (0.96–1.10)		
Fair	4,336/455,769	1.21 (1.13–1.29)	1.14 (1.07–1.22)		
Poor	1,117/88,313	1.64 (1.51–1.78)	1.46 (1.35–1.59)		
20,000–34,999 Yuan					
Excellent	1,052/172,835	1.00	1.00		
Good	1,405/259,438	1.07 (0.99–1.17)	1.06 (0.97–1.15)		
Fair	2,919/357,072	1.26 (1.17–1.35)	1.19 (1.10–1.28)		
Poor	594/50,429	1.77 (1.60–1.97)	1.57 (1.41–1.75)		
≥35,000 Yuan					
Excellent	744/147,310	1.00	1.00		
Good	1,032/200,872	1.12 (1.02–1.24)	1.11 (1.01–1.22)		
Fair	1,847/223,133	1.38 (1.27–1.51)	1.31 (1.19–1.43)		
Poor	278/30,198	1.66 (1.44–1.92)	1.49 (1.29–1.72)		
Cigarette smoking					
Never					
Excellent	2,189/365,030	1.00	1.00		
Good	3,422/618,576	1.05 (1.00–1.11)	1.03 (0.98–1.09)		
Fair	7,810/951,585	1.25 (1.19–1.32)	1.19 (1.13–1.25)		
Poor	2,173/203,610	1.66 (1.56–1.76)	1.49 (1.40–1.59)		
Former					
Excellent	430/33,326	1.00	1.00		
Good	566/53,726	0.93 (0.81–1.05)	0.91 (0.80–1.04)		
Fair	1,126/76,128	1.14 (1.02–1.28)	1.09 (0.97–1.22)		
Poor	345/18,821	1.52 (1.30–1.77)	1.40 (1.20–1.64)		
Occasionally					
Excellent	230/37,473	1.00	1.00		

Supplementary Table 2. Continued

Subgroup	Cases/person-years	HR (95% CI)		Pfor interaction
		Model 1*	Model 2*	
Good	418/55,524	1.21 (1.02–1.42)	1.18 (1.00–1.39)	0.77
Fair	765/84,760	1.36 (1.16–1.58)	1.29 (1.11–1.51)	
Poor	204/17,667	1.89 (1.55–2.30)	1.76 (1.44–2.15)	
Current				
Excellent	1,355/189,061	1.00	1.00	
Good	2,081/283,562	1.09 (1.01–1.16)	1.07 (1.00–1.15)	
Fair	3,631/364,402	1.27 (1.19–1.35)	1.20 (1.13–1.28)	
Poor	917/71,556	1.63 (1.50–1.78)	1.46 (1.34–1.60)	
Alcohol drinking				
Never				
Excellent	1,572/250,324	1.00	1.00	
Good	2,629/459,511	1.02 (0.96–1.09)	1.00 (0.94–1.07)	
Fair	6,434/702,971	1.24 (1.17–1.31)	1.18 (1.11–1.25)	
Poor	1,885/156,670	1.62 (1.51–1.74)	1.47 (1.37–1.58)	
Former				
Excellent	71/5,849	1.00	1.00	
Good	154/11,445	1.24 (0.93–1.66)	1.22 (0.91–1.62)	
Fair	393/24,701	1.31 (1.01–1.70)	1.26 (0.97–1.64)	
Poor	183/9,695	1.96 (1.47–2.62)	1.86 (1.39–2.49)	
Occasionally				
Excellent	1526/234359	1.00	1.00	
Good	2315/351863	1.08 (1.01–1.15)	1.06 (0.99–1.13)	
Fair	4273/523762	1.24 (1.17–1.32)	1.18 (1.11–1.25)	
Poor	1091/103992	1.62 (1.5–1.76)	1.46 (1.34–1.58)	
Weekly				
Excellent	1,035/134,357	1.00	1.00	
Good	1,389/188,539	1.09 (1.00–1.18)	1.07 (0.99–1.17)	
Fair	2,232/225,440	1.28 (1.18–1.38)	1.21 (1.12–1.30)	
Poor	480/41,297	1.69 (1.51–1.89)	1.50 (1.34–1.68)	
Physical activity				
Low				
Excellent	2,082/160,377	1.00	1.00	
Good	3,061/265,969	1.06 (1.01–1.13)	1.05 (0.99–1.11)	
Fair	7,429/503,983	1.27 (1.21–1.34)	1.22 (1.16–1.28)	
Poor	2,125/117,495	1.65 (1.55–1.76)	1.50 (1.41–1.60)	
Moderate				
Excellent	1,325/230,727	1.00	1.00	
Good	1,958/336,912	1.05 (0.98–1.13)	1.02 (0.95–1.10)	
Fair	3,749/496,385	1.23 (1.16–1.32)	1.16 (1.09–1.24)	
Poor	974/103,252	1.64 (1.50–1.79)	1.46 (1.34–1.60)	
High				
Excellent	797/233,785	1.00	1.00	
Good	1,468/408,507	1.05 (0.96–1.15)	1.04 (0.95–1.14)	
Fair	2,154/476,506	1.21 (1.11–1.32)	1.15 (1.06–1.26)	

Supplementary Table 2. Continued

Subgroup	Cases/person-years	HR (95% CI)		P for interaction
		Model 1*	Model 2†	
Poor	540/90,907	1.65 (1.47–1.85)	1.50 (1.33–1.68)	0.03
BMI				
<18.5 kg/m <sup>2</sup>				
Excellent	110/17,927	1.00	1.00	
Good	222/33,644	1.10 (0.87–1.39)	1.09 (0.86–1.37)	
Fair	638/71,607	1.28 (1.04–1.58)	1.25 (1.01–1.54)	
Poor	259/22,435	1.64 (1.30–2.08)	1.59 (1.26–2.02)	
18.5–23.9 kg/m <sup>2</sup>				
Excellent	1,769/322,794	1.00	1.00	
Good	2,981/535,202	1.07 (1.01–1.13)	1.05 (0.99–1.12)	
Fair	6,178/786,225	1.27 (1.20–1.34)	1.21 (1.15–1.28)	
Poor	1,701/163,605	1.76 (1.64–1.89)	1.61 (1.50–1.72)	
24.0–27.9 kg/m <sup>2</sup>				
Excellent	1,695/220,318	1.00	1.00	
Good	2,449/341,926	1.07 (1.01–1.14)	1.05 (0.99–1.12)	
Fair	4,688/470,278	1.25 (1.18–1.33)	1.18 (1.11–1.25)	
Poor	1,138/91,324	1.61 (1.49–1.74)	1.42 (1.31–1.54)	
≥28.0 kg/m <sup>2</sup>				
Excellent	630/63,850	1.00	1.00	
Good	835/100,615	1.00 (0.90–1.11)	0.98 (0.88–1.09)	
Fair	1,828/148,764	1.23 (1.12–1.35)	1.17 (1.06–1.28)	
Poor	541/34,291	1.51 (1.34–1.71)	1.35 (1.20–1.53)	
History of diabetes				
No				
Excellent	3,793/604,066	1.00	1.00	
Good	5,894/974,658	1.06 (1.02–1.11)	1.05 (1.00–1.09)	
Fair	11,585/1,393,500	1.24 (1.19–1.29)	1.20 (1.15–1.25)	
Poor	2,941/282,054	1.62 (1.54–1.70)	1.53 (1.46–1.61)	
Yes				
Excellent	411/20,823	1.00	1.00	
Good	593/36,730	0.98 (0.86–1.12)	0.99 (0.87–1.12)	
Fair	1,747/83,374	1.13 (1.01–1.26)	1.12 (1.00–1.25)	
Poor	698/29,600	1.32 (1.17–1.50)	1.29 (1.13–1.46)	
History of hypertension				0.33
No				
Excellent	1,918/452,632	1.00	1.00	
Good	2,582/696,796	1.04 (0.98–1.11)	1.03 (0.97–1.10)	
Fair	5,069/990,674	1.19 (1.13–1.26)	1.16 (1.10–1.23)	
Poor	1,248/200,307	1.56 (1.45–1.69)	1.49 (1.38–1.61)	
Yes				
Excellent	2,286/172,258	1.00	1.00	
Good	3,905/314,592	1.05 (1.00–1.11)	1.05 (0.99–1.10)	

Supplementary Table 2. Continued

Subgroup	Cases/person-years	HR (95% CI)		P for interaction
		Model 1*	Model 2†	
Fair	8,263/486,200	1.23 (1.17–1.29)	1.21 (1.16–1.27)	
Poor	2,391/111,347	1.57 (1.48–1.67)	1.50 (1.41–1.59)	

HR, hazard ratio; CI, confidence interval; BMI, body mass index.

\*Model 1: Stratified by age (5 years intervals), sex, region (10 areas) and adjusted for age (continuous), marital status, education, household annual income, occupation, healthcare coverage, housing condition, menopausal status, sleep problems, cigarette smoking, alcohol drinking, physical activity (continuous), body mass index (continuous), and family history of stroke; †Model 2: Model 1 plus presence of baseline major depressive episodes, diabetes, hypertension, and other comorbidities (yes, no). The categories and definitions of all categorical variables were illustrated in the 'Covariates' section of the Methods.