

Table S7. Outcomes after Ischemic Stroke or TIA Based on the Distribution of 3-Month Composite Persistence

Outcomes	Composite persistence	No.(%)	Events, n (%)	Model 1*		Model 2†	
				Adjusted HR /OR (95% CI)	P value	Adjusted HR /OR (95% CI)	P value
Stroke	Level 1	4397(24.0)	134(3.1)	1.00(Ref)		1.00(Ref)	
	Level 2	5064(27.6)	72(1.4)	0.47(0.35-0.63)	<0.001	0.41(0.31-0.55)	<0.001
	Level 3	8883(48.4)	109(1.2)	0.41(0.32-0.53)	<0.001	0.37(0.29-0.48)	<0.001
Ischemic stroke	Level 1	4397(24.0)	127(2.9)	1.00(Ref)		1.00(Ref)	
	Level 2	5064(27.6)	63(1.2)	0.44(0.32-0.59)	<0.001	0.38(0.28-0.52)	<0.001
	Level 3	8883(48.4)	98(1.1)	0.39(0.30-0.51)	<0.001	0.35(0.27-0.46)	<0.001
Hemorrhagic stroke	Level 1	4397(24.0)	4(0.09)	1.00(Ref)		1.00(Ref)	
	Level 2	5064(27.6)	7(0.14)	1.46(0.43-5.01)	0.55	1.29(0.37-4.53)	0.69
	Level 3	8883(48.4)	6(0.07)	0.73(0.20-2.58)	0.62	0.72(0.20-2.63)	0.62
Composite events‡	Level 1	4397(24.0)	159(3.6)	1.00(Ref)		1.00(Ref)	
	Level 2	5064(27.6)	86(1.7)	0.47(0.36-0.62)	<0.001	0.41(0.31-0.53)	<0.001
	Level 3	8883(48.4)	136(1.5)	0.43(0.34-0.55)	<0.001	0.39(0.30-0.49)	<0.001
All-cause death	Level 1	4397(24.0)	367(8.4)	1.00(Ref)		1.00(Ref)	
	Level 2	5064(27.6)	114(2.3)	0.30(0.24-0.37)	<0.001	0.30(0.24-0.37)	<0.001
	Level 3	8883(48.4)	129(1.5)	0.20(0.16-0.24)	<0.001	0.19(0.16-0.24)	<0.001
Disability	Level 1	3733(22.5)	595(15.9)	1.00(Ref)		1.00(Ref)	

(mRS=3-5)	Level 2	4698(28.4)	650(13.8)	0.93(0.82-1.05)	0.24	0.91(0.78-1.05)	0.18
	Level 3	8133(49.1)	1076(13.2)	0.88(0.79-0.99)	0.03	0.81(0.71-0.93)	0.002

CI, confidence interval; HR, hazard ratio; OR, odds ratio; Ref, Reference; mRS, modified Rankin Scale.

Composite persistence was defined as the percentage (0% to 100%) of discharge medication classes that patients were still taking at 3 months. Level 1: 0% ≤ persistence < 25%; Level 2: 25% ≤ persistence < 75%; Level 3: 75% ≤ persistence ≤ 100%.

*Model 1: adjusted for age and sex.

†Model 2: adjusted for patient and hospital characteristics, including age, sex, ethnicity, education level, health insurance, family income per month, history of hypertension, diabetes, dyslipidemia, atrial fibrillation, myocardial infarction, coronary artery disease, previous TIA or stroke, ever smoking, and drinking, admission NIHSS score, type of disease, severity of illness at discharge, new stroke within 3 months, hospital grade, region, teaching hospital, stroke unit, hospital beds and No. of neurological ward beds.

‡Composite events: stroke, myocardial infarction, or death from cardiovascular cause.

HR for stroke, composite events and all-cause death; OR for disability.