

Table S8. Outcomes after Ischemic Stroke or TIA by 3-Month Persistence in Secondary Prevention Medication Class

Outcomes	Non-persistent n/N(%)	Persistent n/N(%)	Model 1*		Model 2†	
			Adjusted HR /OR (95% CI)	P value	Adjusted HR /OR (95% CI)	P value
Antiplatelet medications						
Stroke	144/5894(2.4)	146/11619(1.3)	0.53(0.42-0.67)	<0.001	0.52(0.41-0.66)	<0.001
Composite events‡	178/5894(3.0)	176/11619(1.5)	0.52(0.42-0.64)	<0.001	0.50(0.41-0.62)	<0.001
All-cause death	382/5894(6.5)	175/11619(1.5)	0.26(0.22-0.31)	<0.001	0.26(0.22-0.32)	<0.001
Disability (mRS=3-5)	769/5149(14.9)	1398/10685(13.1)	0.94(0.85-1.03)	0.19	0.89(0.79-0.99)	0.037
Warfarin						
Stroke	2/77(2.6)	0/132(0.0)	-	-	-	-
Composite events‡	4/77(5.2)	0/132(0.0)	-	-	-	-
All-cause death	9/77(11.7)	5/132(3.8)	0.33(0.11-0.98)	0.046	0.15(0.03-0.84)	0.03
Disability (mRS=3-5)	10/67(14.9)	24/120(20.0)	1.44(0.64-3.24)	0.38	1.24(0.38-4.04)	0.73
Statins						
Stroke	98/4832(2.0)	37/2943(1.3)	0.64(0.44-0.94)	0.02	0.67(0.46-0.99)	0.04
Composite events‡	115/4832(2.4)	43/2943(1.5)	0.64(0.45-0.90)	0.01	0.66(0.46-0.94)	0.02
All-cause death	203/4832(4.2)	32/2943(1.1)	0.28(0.20-0.41)	<0.001	0.29(0.20-0.43)	<0.001
Disability (mRS=3-5)	612/4354(14.1)	309/2677(11.5)	0.84(0.73-0.98)	0.025	0.82(0.68-0.97)	0.02
Antihypertensive medications						
Stroke	92/2892(3.2)	97/6696(1.5)	0.45(0.34-0.60)	<0.001	0.47(0.35-0.62)	<0.001

Composite events‡	101/2892(3.5)	118/6696(1.8)	0.50(0.39-0.66)	<0.001	0.51(0.38-0.67)	<0.001
All-cause death	229/2892(7.9)	109/6696(1.6)	0.22(0.17-0.27)	<0.001	0.23(0.18-0.29)	<0.001
Disability (mRS=3-5)	423/2501(16.9)	844/6163(13.7)	0.81(0.71-0.92)	0.001	0.88(0.75-1.04)	0.12
Antidiabetic medications						
Stroke	35/1106(3.2)	48/2819(1.7)	0.51(0.33-0.80)	0.003	0.40(0.25-0.64)	<0.001
Composite events‡	37/1106(3.4)	64/2819(2.3)	0.65(0.44-0.98)	0.04	0.50(0.32-0.77)	0.002
All-cause death	84/1106(7.6)	61/2819(2.2)	0.27(0.20-0.38)	<0.001	0.22(0.16-0.32)	<0.001
Disability (mRS=3-5)	161/961(16.8)	416/2589(16.1)	0.92(0.75-1.12)	0.40	0.82(0.63-1.07)	0.14

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

*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.