



Supporting Information

Supplementary methods and results

**This appendix was part of the submitted manuscript and has been peer reviewed.
It is posted as supplied by the authors.**

Appendix to: Olaiya MT, Kim J, Pearce C, et al. Management of people after stroke in 383 Victorian general practices, 2014–2018: analysis of linked stroke registry and general practice data. *Med J Aust* 2024; doi: 10.5694/mja2.52511.

Figure 1. Selection of patients for inclusion in our analysis of the management of people after stroke in 383 Victorian general practices, 2014–2018

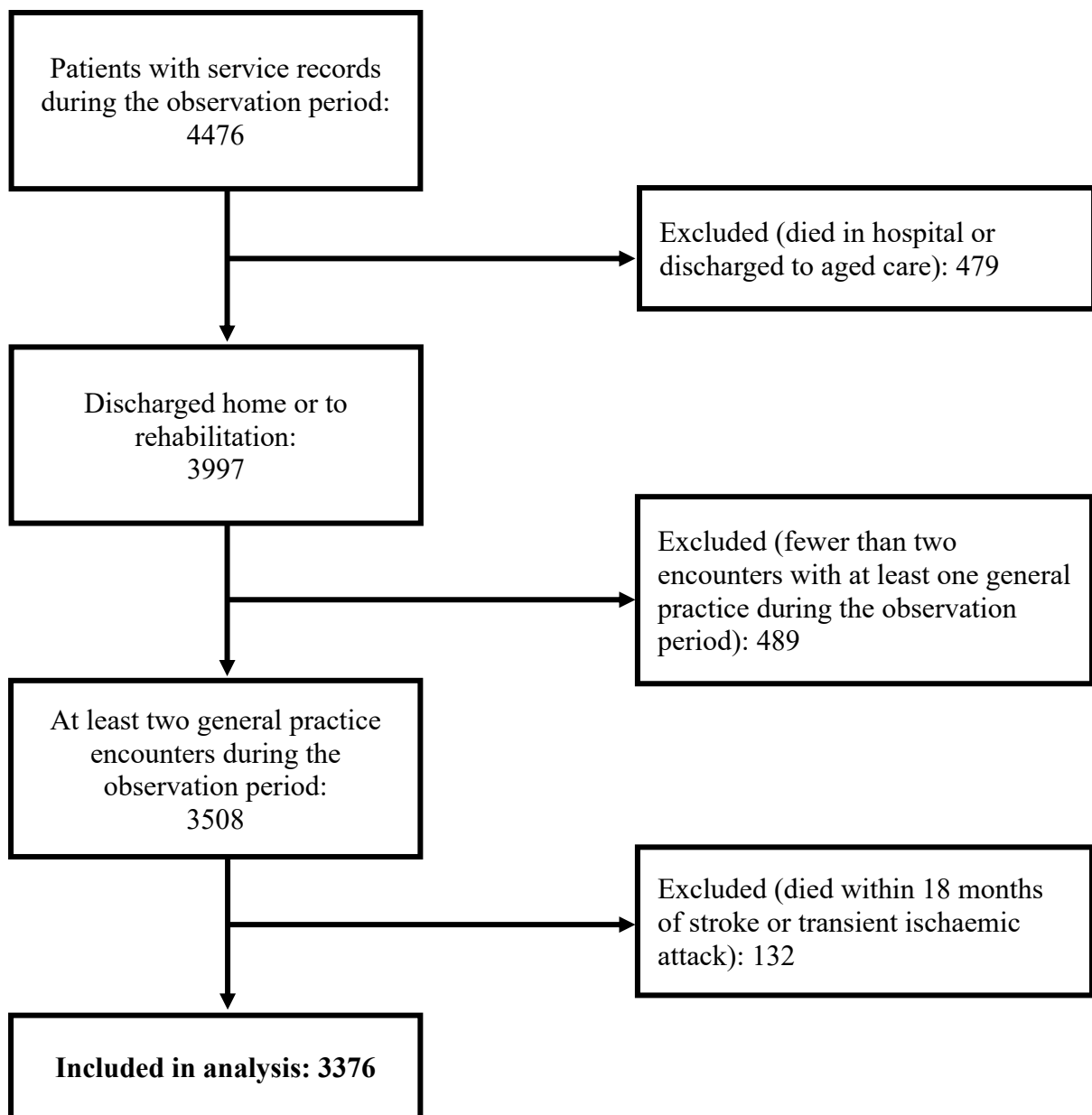


Table 1. Patient characteristics, according to inclusion and exclusion in our analysis

Characteristic	All	Included	Excluded	<i>P</i>
Total	4476	3376	1100	
Age at stroke onset (years), median (interquartile range)	74.4 (64.5–82.7)	73.9 (64.4–81.9)	76.5 (65.1–84.8)	<0.001
Sex (women)	2018 (45.1%)	1465 (43.4%)	553 (50.3%)	<0.001
Stroke type				<0.001
Ischaemic	3007 (67.2%)	2259 (66.9%)	748 (68.0%)	
Haemorrhagic	414 (9.3%)	290 (8.6%)	124 (11.3%)	
Transient ischaemic attack	912 (20.4%)	737 (21.8%)	175 (15.9%)	
Undetermined/Unknown	143 (3.2%)	90 (2.7%)	53 (4.8%)	
Socio-economic advantage (IRSAD)				<0.001
Quintile 1 (least advantaged)	471 (10.5%)	335 (9.9%)	136 (12.4%)	
Quintile 2	403 (9.0%)	274 (8.1%)	129 (11.7%)	
Quintile 3	842 (18.8%)	633 (18.8%)	209 (19.0%)	
Quintile 4	1080 (24.1%)	841 (24.9%)	239 (21.7%)	
Quintile 5 (most advantaged)	1680 (37.5%)	1293 (38.3%)	387 (35.2%)	
Regional location	576 (13.0%)	399 (12.0%)	177 (16.2%)	<0.001
Unable to walk on admission	2259 (50.5%)	1579 (46.8%)	680 (61.8%)	<0.001
Discharge to rehabilitation	1414 (31.6%)	1153 (34.2%)	261 (23.7%)	<0.001

IRSAD = Index of Relative Socioeconomic Advantage and Disadvantage.

Table 2. Patients for whom assessments in general practice of cardiometabolic risk factors were recorded (7–18 months after acute stroke or transient ischaemic attack)

Risk factors	Number (proportion)
Blood pressure (all patients)	2717/3376 (80.5%)
Lipids (all patients)	1830/3376 (54.2%)
Lipids (patients with ischaemic stroke/transient ischaemic attack)	1639/2996 (54.7%)
Blood glucose (all patients)	1708/3376 (50.6%)
Blood glucose (patients with diabetes)	749/967 (77.5%)
Kidney function (all patients)	1685/3376 (49.9%)
Kidney function (patients with diabetes)	619/967 (64.0%)

Table 3. Proportions of patients for whom prescribing in general practice of protective medications were recorded (7–18 months after acute stroke or transient ischaemic attack)

Prescription of medications	Number (proportion)
BP-lowering agent (all patients)	3376/2363 (70.0%)
Lipid-lowering agent (all patients)	3376/2427 (71.9%)
Lipid-lowering agents (patients with ischaemic stroke/transient ischaemic attack)	2966/2256 (75.3%)
Anthithrombotic agent (all patients)	3376/1891 (56.0%)
Anticoagulant agent (ischaemic stroke/transient ischaemic attack and atrial fibrillation)	653/548 (83.9%)
Antiplatelet agent (ischaemic stroke/transient ischaemic attack, no anticoagulant)	2166/953 (44.0%)
Glucose-lowering agent (all patients)	3376/581 (17.2%)
Glucose-lowering agent (with diabetes)	967/582 (60.2%)

Table 4. Proportion of patients who attained risk factor targets 7–18 months after acute stroke or transient ischaemic attack, based on final recorded assessments of risk factor

Attainment of risk factor targets	Number (proportion)
Glucose control (all patients)	1346/1708 (78.8%)
Glucose control (patients with diabetes)	413/699 (59.1%)
Blood pressure control (all patients)	1935/2717 (71.2%)
Blood pressure control (patients with hypertension history)	1115/1661 (67.1%)
Lipid management (all patients)	645/1542 (41.8%)
Lipid management (patients with dyslipidaemia history)	242/656 (36.9%)

Table 5. Factors associated with attaining cardiometabolic risk factor targets during 7–18 months after acute stroke or transient ischaemic attack: multivariable logistic regression analyses*

Characteristic	Odds ratio (95% confidence interval)			
	Blood pressure	Serum lipids	Blood glucose	Urinary protein
Patients included	2717	1542	1454	1683
Age at stroke onset (per 5 years) [†]	0.94 (0.87–1.01)	1.17 (1.07–1.28)	1.01 (0.89–1.14)	1.31 (1.17–1.48)
Sex (women)	0.88 (0.75–1.03)	0.98 (0.78–1.25)	1.15 (0.87–1.51)	1.09 (0.87–1.38)
Ischaemic stroke/transient ischaemic attack	—	2.14 (1.49–3.08)	—	—
Hypertension	0.59 (0.49–0.71)	—	0.75 (0.58–0.98)	—
Dyslipidaemia	—	0.67 (0.52–0.84)	—	—
Atrial fibrillation	1.28 (1.05–1.55)	1.26 (1.003–1.60)	—	—
Dementia	1.64 (0.97–2.77)	—	0.57 (0.34–0.97)	—
Smoking	—	—	3.63 (1.31–10.0)	—
Cardiovascular disease ^c	—	—	0.73 (0.54–0.998)	—
Diabetes	—	—	—	3.16 (2.46–4.04)
Chronic kidney disease	—	—	—	5.96 (3.97–8.95)

* Limited to patients with records of risk factors measured. Multivariable analyses used manual backward stepwise elimination approach; the initial model included all variables listed in Box 3, number of times a risk factor was assessed during the observation period, and clustering effect for 383 general practices. Age, sex, number of encounters were fixed in the models.

† No significant non-linear association of age with attaining risk factor target.

‡ Other than stroke.

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