



Appendix 1

**This appendix was part of the submitted manuscript and has been peer reviewed.
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Appendix to: Cadilhac DA, Kilkenny MF, Levi CR, et al. Risk-adjusted hospital mortality rates for stroke: evidence from the Australian Stroke Clinical registry (AuSCR). *Med J Aust* 2017; 206: 345-350.
doi: 10.5694/mja16.00525.

Appendix 1: Patient demographic and clinical characteristics using the Australian Stroke Clinical Registry between 2009 and 2014

Within 30 days	All patients (N=26,302)		Hospitals providing at least 200 or more cases (N=16,218)	
	N=45 hospitals		N=28 hospitals	
	Died (N=3,151)	Alive (N=23,151)	Died (N=2,372)	Alive (N=13,846)
Gender, male	1,427 (45)*	12,630 (55)	1,043 (44)*	7,604 (55)
Age (in years) †				
Less than 65	336 (11)*	6,333 (28)	209 (9)*	3,485 (25)
65-74	439 (14)	5,506 (24)	321 (14)	3,292 (24)
75-84	1,060 (34)	6,978 (30)	794 (34)	4,291 (31)
85+	1,316 (42)	4,163 (18)	1,048 (44)	2,672 (20)
Median age in years (Q1, Q3)	83 (75, 88)*	74 (64, 83)	84 (76, 89)*	75 (65, 83)
Country of birth‡				
Australia	2,010 (70)	15,216 (70)	1,452 (67)	8,622 (67)
United Kingdom	212 (7)	1,681 (8)	163 (8)	1,005 (8)
Italy	142 (5)	787 (4)	133 (6)	615 (5)
Other European countries	306 (11)	1,914 (9)	240 (11)	1,315 (10)
Asia	83 (3)	810 (4)	64 (3)	580 (5)
Other countries	139 (5)	1,245 (6)	108 (5)	782 (6)
Indigenous background† 	35 (1)	367 (2)	15 (1)	158 (1)
Previous stroke/TIA§	725 (26)	5,074 (23)	550 (26)	2,966 (23)
Index of relative socio-economic advantage and disadvantage				
Quintile 1	577 (19)	4,273 (19)	376 (16)	2,078 (15)
Quintile 2	616 (20)	4,844 (21)	444 (19)	2,729 (20)
Quintile 3	343 (11)	2,833 (12)	242 (10)	1,712 (12)
Quintile 4	644 (21)	4,558 (20)	527 (22)	3,010 (22)
Quintile 5	917 (30)	6,391 (28)	783 (33)	4,317 (31)
Type of stroke				
Intracerebral haemorrhage	990 (32)*	2,394 (10)	765 (32)*	1,629 (12)
Ischaemic	1,920 (61)	14,701 (64)	1,468 (62)	11,286 (82)
TIA	40 (1)	4,795 (21)	N/A	N/A
Undetermined stroke	194 (6)	1,227 (5)	132 (6)	897 (7)
Cause of stroke known#	1,434 (48)	10,286 (46)	1,054 (47)	6,511 (49)
Stroke severity§				
Able to walk on admission	170 (6)*	9,624 (47)	85 (4)*	4,857 (39)
Multiple episodes	185 (6)	1,311 (6)	141 (6)	694 (5)
Transferred from another hospital	379 (12)	3,035 (13)	N/A	N/A
In-hospital stroke	245 (8)*	1,089 (5)	N/A	N/A

*p<0.001; † <2% missing data; ‡ 2-5% missing data; § 6-10% missing data; || Identifies as Aboriginal and/or Torres Strait islander; TIA: transient ischemic attack; # Trial of Org 10172 in Acute Stroke Treatment (TOAST classification); Q1: 25th percentile, Q3: 75th percentile; N/A: not applicable since these episodes of care were excluded from the analysis (N=7,509)