

Central Lancashire Online Knowledge (CLOK)

Title	Does the Addition of Non-Approved Inclusion and Exclusion Criteria for rtPA Impact Treatment Rates? Findings in Australia, the UK, and the USA
Type	Article
URL	https://clock.uclan.ac.uk/id/eprint/24195/
DOI	
Date	2019
Citation	Watkins, Caroline Leigh, Lightbody, Catherine Elizabeth, Craig, Louise, Middleton, Sandy, Hamilton, Helen, Cudlip, Fern, Swatzell, Victoria, Alexandrov, Andrei, Philip, Sheeba et al (2019) Does the Addition of Non-Approved Inclusion and Exclusion Criteria for rtPA Impact Treatment Rates? Findings in Australia, the UK, and the USA. <i>Interventional Neurology</i> , 8 (1). ISSN 1664-9737
Creators	Watkins, Caroline Leigh, Lightbody, Catherine Elizabeth, Craig, Louise, Middleton, Sandy, Hamilton, Helen, Cudlip, Fern, Swatzell, Victoria, Alexandrov, Andrei, Philip, Sheeba, Cadilhac, Dominique, McInnes, Elizabeth, Dale, Simeon and Alexandrov, Anne

It is advisable to refer to the publisher's version if you intend to cite from the work.

For information about Research at UCLan please go to <http://www.uclan.ac.uk/research/>

All outputs in CLOK are protected by Intellectual Property Rights law, including Copyright law. Copyright, IPR and Moral Rights for the works on this site are retained by the individual authors and/or other copyright owners. Terms and conditions for use of this material are defined in the <http://clock.uclan.ac.uk/policies/>

Supplement Table A Key stroke service demographics

Hospital setting	AUS (N=63)	UK (N=93)	USA (N=229)
	n (%)		
Tertiary	29 (46)	49 (53)	66 (29)
Non-tertiary	30 (48)	43 (46)	152 (66)
Private	4 (6.4)	0	0
Not Reported	0	1 (1)	11 (5)
Stroke service			
Comprehensive	24 (38)	Not Collected	157 (69)
Primary	31 (49)	Not Collected	64 (28)
General hospital	8 (13)	Not Collected	3 (1)
Not Reported	0	Not Collected	5 (2)
Level of telemedicine use			
Always	2 (3.2)	6 (6.5)	Not Collected
Often	8 (13)	17 (18)	Not Collected
Sometimes	9 (14)	33 (35.5)	Not Collected
Never	43 (68)	36 (39)	Not Collected
Unknown	1 (1.6)	0	Not Collected
Not Reported	0	1 (1)	Not Collected
rt-PA protocol			
Yes	62 (98)	92 (99)	NA*
No	1 (1.6)	0 (0.0)	NA*
Not Reported	0	1 (1)	NA*

*rt-PA protocols were required to participate in the survey.

Supplement Table B **Associations between service related factors and rtPA treatment rates**

	AUS			UK			USA		
	Mean (SD)	p-value	n	Mean (SD)	p-value	n	Mean (SD)	p-value	N
Hospital Setting¹									
Non-Tertiary	7.62 (5.22)	0.120	31	11.52 (4.77)	0.046	36	7.94 (5.72)	0.005	135
Tertiary	9.95 (6.22)		29	13.69 (4.52)		41	10.97 (7.68)		48
Average door to needle time²									
<45mins	15.68 (9.21)	0.131	3	14.88 (6.18)	0.067	20	16.51 (7.35)	<0.001	7
46-59mins	9.79 (6.21)		9	13.99 (4.00)		18	10.75 (7.68)		24
≥60mins	8.85 (5.09)		37	11.90 (3.14)		28	8.07 (5.89)		151

¹ Independent Sample t-test, ² One-way ANOVA

Supplement Table C

Factors associated with the addition of non-standard criteria

	AUS N=49		UK N=68		USA N=184	
Variables entered in regression model	Coefficients	p-value	Coefficients	p-value	Coefficients	p-value
Hospital Setting	-0.29 (-2.84, 2.25)	0.817	-0.83 (-2.39,0.72)	0.287	-1.72(-3.25, -0.20)	0.03
Service	0.06 (-2.35, 2.48)	0.958	NA		-0.28(-1.68, 1.10)	0.684
Admission volume	-0.00 (-0.01, 0.01)	0.983	-0.01(-0.04,0.00)	0.434	0.00 (-0.00, 0.00)	0.187
Average door to needle time (46mins to 59mins)	-1.33(-5.52, 2.86)	0.525	1.13(-0.86,3.12)	0.262	2.51(-1.05, 6.07)	0.165
Average door to needle time (>60mins)	0.60 (-3.34-4.54)	0.760	1.19(-0.67,3.05)	0.207	3.57 (0.38 ,6.75)	0.023
Adherence to 3 hours	NA		NA		-2.44(-4.30, -0.60)	0.01