

Supplementary table 1. Complete data for individual metropolitan sites.

Metropolitan Sites	Box Hill (N=85)	Frankston (N=17)	Geelong (N=55)	Maroondah (N=1)	Northern (N=48)	Sunshine (N=64)	Western (N=9)	Overall (N=279)
Sex								
Female	40 (47.1%)	8 (47.1%)	26 (47.3%)	1 (100%)	20 (41.7%)	25 (39.1%)	4 (44.4%)	124 (44.4%)
Male	45 (52.9%)	9 (52.9%)	29 (52.7%)	0 (0%)	28 (58.3%)	39 (60.9%)	5 (55.6%)	155 (55.6%)
Age (years)								
Median [Q1, Q3]	74 [65, 82]	77 [72, 80]	71 [62.5, 77]	83 [83, 83]	70.5 [64.8, 81.3]	70 [64, 80]	68 [64, 80]	73 [64, 81]
NIHSS score on first assessment								
Median [Q1, Q3]	17 [11, 22]	16 [11, 19]	14 [70, 18]	NA	12 [9, 18]	17 [10, 20]	14 [11, 17]	15.5 [10, 20]
Missing	0 (0%)	2 (11.8%)	1 (1.8%)	1 (100%)	13 (27.1%)	11 (17.2%)	3 (33.3%)	31 (11.1%)
Pre-morbid mRS								
0	57 (67.1%)	13 (76.5%)	37 (67.3%)	0 (0%)	14 (29.2%)	51 (79.7%)	8 (88.9%)	180 (64.5%)
1	25 (29.4%)	1 (5.9%)	8 (14.5%)	1 (100%)	2 (4.2%)	6 (9.4%)	1 (11.1%)	44 (15.8%)
2	2 (2.4%)	0 (0%)	4 (7.3%)	0 (0%)	3 (6.3%)	0 (0%)	0 (0%)	9 (3.2%)
≥3	1 (1.2%)	1 (5.9%)	1 (1.8%)	0 (0%)	6 (12.5%)	2 (3.1%)	0 (0%)	11 (4%)
Missing	0 (0%)	2 (11.8%)	5 (9.1%)	0 (0%)	23 (47.9%)	5 (7.8%)	0 (0%)	35 (12.5%)
Inbound travel time (mins)								
Median [Q1, Q3]	19 [13.5, 24]	23.5 [19.5, 28.8]	20.5 [12, 28.8]	NA	16 [14, 25.8]	21.5 [13, 27]	22.5 [19.3, 25.8]	19 [14, 26]
Missing	18 (21.2%)	3 (17.6%)	21 (38.2%)	1 (100%)	18 (37.5%)	12 (18.8%)	7 (77.8%)	80 (28.7%)
Door to CT time (mins)								
Median [Q1, Q3]	10.5 [6, 16]	15 [6, 22.5]	22 [16, 32]	38 [38, 38]	17 [12.3, 25.8]	25 [21, 43]	40 [32.5, 62.5]	19 [11, 28]
Missing	3 (3.5%)	1 (5.9%)	2 (3.6%)	0 (0%)	10 (20.8%)	3 (4.7%)	2 (22.2%)	21 (7.5%)

Metropolitan Sites (continued)	Box Hill (N=85)	Frankston (N=17)	Geelong (N=55)	Maroondah (N=1)	Northern (N=48)	Sunshine (N=64)	Western (N=9)	Overall (N=279)
Thrombolysis								
Yes	55 (64.7%)	7 (41.2%)	22 (40%)	0 (0%)	18 (37.5%)	37 (57.8%)	3 (33.3%)	142 (50.9%)
No	30 (35.3%)	9 (52.9%)	32 (58.2%)	0 (0%)	21 (43.8%)	25 (39.1%)	5 (55.6%)	122 (43.7%)
Missing	0 (0%)	1 (5.9%)	1 (1.8%)	1 (100%)	9 (18.8%)	2 (3.1%)	1 (11.1%)	15 (5.4%)
Door to Needle time (mins)								
Median [Q1, Q3]	50 [37, 59.5]	79 [55.5, 89]	75 [57, 107]	NA	57.5 [47.3, 85]	88 [73, 109]	85 [83, 94.5]	62 [50, 88]
Missing	30 (35.3%)	10 (58.8%)	33 (60%)	1 (100%)	30 (62.5%)	27 (42.2%)	6 (66.7%)	137 (49.1%)
Door in Door out time (mins)								
Median [Q1, Q3]	82 [65, 113]	146 [131, 187]	131 [100, 159]	107 [107, 107]	97 [83, 127]	117 [97, 148]	105 [105, 106]	107 [84, 145]
Missing	3 (3.5%)	3 (17.6%)	1 (1.8%)	0 (0%)	9 (18.8%)	16 (25%)	6 (66.7%)	38 (13.6%)
Multi-leg outbound journey, n (%)								
TRUE	0 (0%)	0 (0%)	1 (1.8%)	0 (0%)	0 (0%)	1 (1.6%)	0 (0%)	2 (0.7%)
FALSE	85 (100%)	17 (100%)	44 (80%)	1 (100%)	37 (77.1%)	63 (98.4%)	9 (100%)	256 (91.8%)
Unknown	0 (0%)	0 (0%)	10 (18.2%)	0 (0%)	11 (22.9%)	0 (0%)	0 (0%)	21 (7.5%)
Outbound transport involving air transfer, n (%)								
TRUE	0 (0%)	0 (0%)	3 (5.5%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	3 (1.1%)
FALSE	85 (100%)	17 (100%)	47 (85.5%)	1 (100%)	48 (100%)	64 (100%)	9 (100%)	271 (97.1%)
Unknown	0 (0%)	0 (0%)	5 (9.1%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	5 (1.8%)
PSC to CSC travel time (mins)								
Median [Q1, Q3]	22 [19, 26]	32 [27, 36]	57 [51.5, 62]	33 [33, 33]	30 [27, 34]	22.5 [18.8, 27]	17 [16, 20]	26 [20, 35]
Missing	19 (22.4%)	4 (23.5%)	12 (21.8%)	0 (0%)	15 (31.3%)	8 (12.5%)	0 (0%)	58 (20.8%)

Supplementary table 2. Complete data for individual regional sites.

Regional sites A-H	Albury (N=22)	Bairnsdale (N=9)	Ballarat (N=23)	Bendigo (N=21)	Castlemaine (N=1)	Echuca (N=10)	Hamilton (N=3)	Horsham (N=1)
Sex								
Female	10 (45.5%)	2 (22.2%)	8 (34.8%)	7 (33.3%)	1 (100%)	3 (30%)	1 (33.3%)	0 (0%)
Male	12 (54.5%)	7 (77.8%)	15 (65.2%)	14 (66.7%)	0 (0%)	7 (70%)	2 (66.7%)	1 (100%)
Age (years)								
Median [Q1, Q3]	73.5 [68, 81]	76 [67, 79]	69 [58, 75.5]	76 [68, 79]	89 [89, 89]	72.5 [67.3, 77.8]	77 [65, 79.5]	71 [71, 71]
NIHSS score on first assessment								
Median [Q1, Q3]	16 [11.3, 19]	5 [2, 17]	17 [11, 24]	11 [7, 18]	NA	16 [15, 17]	18 [15, 18.5]	14 [14, 14]
Missing	0 (0%)	0 (0%)	8 (34.8%)	0 (0%)	1 (100%)	1 (10%)	0 (0%)	0 (0%)
Pre-morbid mRS								
0	16 (72.7%)	7 (77.8%)	12 (52.2%)	19 (90.5%)	0 (0%)	6 (60%)	3 (100%)	1 (100%)
1	3 (13.6%)	2 (22.2%)	2 (8.7%)	1 (4.8%)	0 (0%)	2 (20%)	0 (0%)	0 (0%)
2	3 (13.6%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	1 (10%)	0 (0%)	0 (0%)
≥3	0 (0%)	0 (0%)	1 (4.3%)	1 (4.8%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Missing	0 (0%)	0 (0%)	8 (34.8%)	0 (0%)	1 (100%)	1 (10%)	0 (0%)	0 (0%)
Inbound travel time (mins)								
Median [Q1, Q3]	12 [7, 13]	28 [14, 36]	16 [8.75, 40.8]	9 [7, 29]	NA	5 [4, 8.50]	17 [14.5, 19.5]	NA
Missing	17 (77.3%)	2 (22.2%)	3 (13%)	4 (19%)	1 (100%)	3 (30%)	1 (33.3%)	1 (100%)
Door to CT time (mins)								
Median [Q1, Q3]	NA	NA	NA	NA	NA	NA	NA	NA
Missing	22 (100%)	9 (100%)	23 (100%)	21 (100%)	1 (100%)	10 (100%)	3 (100%)	1 (100%)

Regional sites A-H (continued)	Albury (N=22)	Bairnsdale (N=9)	Ballarat (N=23)	Bendigo (N=21)	Castlemaine (N=1)	Echuca (N=10)	Hamilton (N=3)	Horsham (N=1)
Thrombolysis								
Yes	13 (59.1%)	3 (33.3%)	9 (39.1%)	11 (52.4%)	0 (0%)	6 (60%)	2 (66.7%)	1 (100%)
No	9 (40.9%)	6 (66.7%)	14 (60.9%)	10 (47.6%)	1 (100%)	4 (40%)	1 (33.3%)	0 (0%)
Door to Needle time (mins)								
Median [Q1, Q3]	NA	NA	NA	NA	NA	NA	NA	NA
Missing	22 (100%)	9 (100%)	23 (100%)	21 (100%)	1 (100%)	10 (100%)	3 (100%)	1 (100%)
Door in Door out time (mins)								
Median [Q1, Q3]	NA	170 [156, 207]	137 [106, 179]	121 [105, 166]	NA	164 [145, 211]	130 [114, 145]	NA
Missing	22 (100%)	4 (44.4%)	8 (34.8%)	9 (42.9%)	1 (100%)	3 (30%)	1 (33.3%)	1 (100%)
Multi-leg outbound journey, n (%)								
TRUE	16 (72.7%)	8 (88.9%)	1 (4.3%)	9 (42.9%)	0 (0%)	8 (80%)	3 (100%)	0 (0%)
FALSE	0 (0%)	1 (11.1%)	18 (78.3%)	10 (47.6%)	0 (0%)	2 (20%)	0 (0%)	0 (0%)
Unknown	6 (27.3%)	0 (0%)	4 (17.4%)	2 (9.5%)	1 (100%)	0 (0%)	0 (0%)	1 (100%)
Outbound transport involving air transfer, n (%)								
TRUE	18 (81.8%)	7 (77.8%)	2 (8.7%)	8 (38.1%)	0 (0%)	10 (100%)	2 (66.7%)	0 (0%)
FALSE	0 (0%)	2 (22.2%)	18 (78.3%)	11 (52.4%)	0 (0%)	0 (0%)	1 (33.3%)	0 (0%)
Unknown	4 (18.2%)	0 (0%)	3 (13%)	2 (9.5%)	1 (100%)	0 (0%)	0 (0%)	1 (100%)
PSC to CSC travel time (mins)								
Median [Q1, Q3]	NA	95.5 [84.5, 115]	74 [67.3, 79.8]	92.5 [87.8, 94.8]	NA	80.5 [53.3, 92.8]	105 [101, 152]	NA
Missing	22 (100%)	5 (55.6%)	7 (30.4%)	7 (33.3%)	1 (100%)	0 (0%)	0 (0%)	1 (100%)

Regional sites M-Wa	Mildura (N=3)	Sale (N=6)	Shepparton (N=12)	Swan Hill (N=1)	Traralgon (N=14)	Wangaratta (N=14)	Warragul (N=7)	Warrnambool (N=9)
Sex								
Female	1 (33.3%)	6 (100%)	5 (41.7%)	0 (0%)	5 (35.7%)	9 (64.3%)	2 (28.6%)	3 (33.3%)
Male	2 (66.7%)	0 (0%)	7 (58.3%)	1 (100%)	9 (64.3%)	5 (35.7%)	5 (71.4%)	6 (66.7%)
Age (years)								
Median [Q1, Q3]	64 [59, 67]	75 [67.5, 79.5]	72.5 [56, 80.5]	72 [72, 72]	68.5 [62, 72.8]	74.5 [68.3, 82]	69 [66, 73]	66 [41, 75]
NIHSS on arrival								
Median [Q1, Q3]	19 [9.50, 20]	11 [6.25, 21.8]	7 [2.50, 12.5]	12 [12, 12]	12.5 [7, 22.8]	17 [13, 21]	13 [11, 15]	7 [2, 15]
Missing	0 (0%)	0 (0%)	1 (8.3%)	0 (0%)	0 (0%)	3 (21.4%)	0 (0%)	0 (0%)
Pre-morbid mRS								
0	3 (100%)	6 (100%)	8 (66.7%)	1 (100%)	11 (78.6%)	6 (42.9%)	7 (100%)	9 (100%)
1	0 (0%)	0 (0%)	1 (8.3%)	0 (0%)	3 (21.4%)	2 (14.3%)	0 (0%)	0 (0%)
2	0 (0%)	0 (0%)	1 (8.3%)	0 (0%)	0 (0%)	2 (14.3%)	0 (0%)	0 (0%)
≥3	0 (0%)	0 (0%)	1 (8.3%)	0 (0%)	0 (0%)	1 (7.1%)	0 (0%)	0 (0%)
Missing	0 (0%)	0 (0%)	1 (8.3%)	0 (0%)	0 (0%)	3 (21.4%)	0 (0%)	0 (0%)
Inbound travel time (mins)								
Median [Q1, Q3]	50 [50, 50]	5 [4, 17.5]	12 [8, 32]	16 [16, 16]	20 [10, 29]	25 [5, 36]	10 [7.50, 10]	41.5 [19.5, 49]
Missing	2 (66.7%)	3 (50%)	3 (25%)	0 (0%)	1 (7.1%)	1 (7.1%)	4 (57.1%)	1 (11.1%)
Door to CT time (mins)								
Median [Q1, Q3]	NA	NA	NA	NA	NA	NA	NA	NA
Missing	3 (100%)	6 (100%)	12 (100%)	1 (100%)	14 (100%)	14 (100%)	7 (100%)	9 (100%)

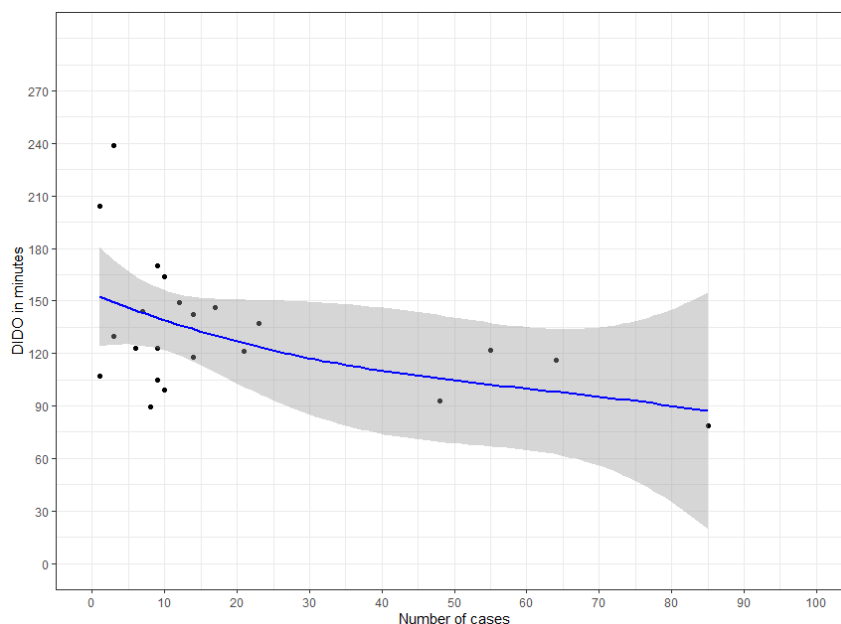
Regional sites M-Wa (continued)	Mildura (N=3)	Sale (N=6)	Shepparton (N=12)	Swan Hill (N=1)	Traralgon (N=14)	Wangaratta (N=14)	Warragul (N=7)	Warrnambool (N=9)
Thrombolysis								
Yes	2 (66.7%)	3 (50%)	8 (66.7%)	1 (100%)	9 (64.3%)	8 (57.1%)	6 (85.7%)	5 (55.6%)
No	1 (33.3%)	3 (50%)	4 (33.3%)	0 (0%)	5 (35.7%)	6 (42.9%)	1 (14.3%)	4 (44.4%)
Door to Needle time (mins)								
Median [Q1, Q3]	NA	NA	NA	NA	NA	NA	NA	NA
Missing	3 (100%)	6 (100%)	12 (100%)	1 (100%)	14 (100%)	14 (100%)	7 (100%)	9 (100%)
Door in Door out time (mins)								
Median [Q1, Q3]	239 [239, 239]	123 [123, 123]	149 [136, 166]	204 [204, 204]	118 [112, 125]	142 [121, 182]	144 [111, 144]	123 [91, 141]
Missing	2 (66.7%)	5 (83.3%)	6 (50%)	0 (0%)	3 (21.4%)	5 (35.7%)	4 (57.1%)	2 (22.2%)
Multi-leg outbound journey								
TRUE	2 (66.7%)	2 (33.3%)	7 (58.3%)	1 (100%)	1 (7.1%)	12 (85.7%)	0 (0%)	9 (100%)
FALSE	0 (0%)	2 (33.3%)	4 (33.3%)	0 (0%)	11 (78.6%)	2 (14.3%)	5 (71.4%)	0 (0%)
Unknown	1 (33.3%)	2 (33.3%)	1 (8.3%)	0 (0%)	2 (14.3%)	0 (0%)	2 (28.6%)	0 (0%)
Outbound transport involving air transfer								
TRUE	3 (100%)	3 (50%)	6 (50%)	1 (100%)	1 (7.1%)	11 (78.6%)	0 (0%)	8 (88.9%)
FALSE	0 (0%)	2 (33.3%)	5 (41.7%)	0 (0%)	12 (85.7%)	3 (21.4%)	5 (71.4%)	1 (11.1%)
Unknown	0 (0%)	1 (16.7%)	1 (8.3%)	0 (0%)	1 (7.1%)	0 (0%)	2 (28.6%)	0 (0%)
PSC to CSC travel time (mins)								
Median [Q1, Q3]	162 [162, 162]	65 [65, 65]	103 [99.8, 111]	115 [115, 115]	90 [82.8, 97.8]	125 [101, 136]	64 [55, 73]	103 [98.5, 123]
Missing	2 (66.7%)	5 (83.3%)	4 (33.3%)	0 (0%)	2 (14.3%)	4 (28.6%)	2 (28.6%)	1 (11.1%)

Regional sites We-Wo	Werribee (N=8)	Wodonga (N=1)	Wonthaggi (N=10)	Overall (N=176)
Sex				
Female	6 (75%)	0 (0%)	3 (30%)	72 (40.9%)
Male	2 (25%)	1 (100%)	7 (70%)	104 (59.1%)
Age (years)				
Median [Q1, Q3]	75 [69.3, 79]	59 [59, 59]	73.5 [67, 75.8]	72 [64, 78]
NIHSS on arrival				
Median [Q1, Q3]	11.5 [4.25, 16.5]	15 [15, 15]	12.5 [8.25, 13.8]	14 [7, 19]
Missing	2 (25%)	0 (0%)	0 (0%)	16 (9.1%)
Pre-morbid mRS				
0	6 (75%)	1 (100%)	9 (90%)	131 (74.4%)
1	0 (0%)	0 (0%)	0 (0%)	17 (9.7%)
2	0 (0%)	0 (0%)	1 (10%)	8 (4.5%)
≥3	0 (0%)	0 (0%)	0 (0%)	4 (2.3%)
Missing	2 (25%)	0 (0%)	0 (0%)	16 (9.1%)
Inbound travel time (mins)				
Median [Q1, Q3]	15 [11, 24.8]	56 [56, 56]	17 [10.5, 24.5]	16 [8, 34]
Missing	4 (50%)	0 (0%)	3 (30%)	55 (31.3%)
Door to CT time (mins)				
Median [Q1, Q3]	NA	NA	NA	NA
Missing	8 (100%)	1 (100%)	10 (100%)	176 (100%)

Regional sites We-Wo (continued)	Werribee (N=8)	Wodonga (N=1)	Wonthaggi (N=10)	Overall (N=176)
Thrombolysis				
Yes	4 (50%)	0 (0%)	9 (90%)	100 (56.8%)
No	4 (50%)	1 (100%)	1 (10%)	76 (43.2%)
Door to Needle time (mins)				
Median [Q1, Q3]	NA	NA	NA	NA
Missing	8 (100%)	1 (100%)	10 (100%)	176 (100%)
Door in Door out time (mins)				
Median [Q1, Q3]	89.5 [78.8, 104]	NA	99 [92.5, 114]	132 [108, 167]
Missing	4 (50%)	1 (100%)	3 (30%)	85 (48.3%)
Multi-leg outbound journey				
TRUE	0 (0%)	1 (100%)	1 (10%)	82 (46.6%)
FALSE	8 (100%)	0 (0%)	8 (80%)	71 (40.3%)
Unknown	0 (0%)	0 (0%)	1 (10%)	23 (13.1%)
Outbound transport involving air transfer				
TRUE	0 (0%)	1 (100%)	1 (10%)	83 (47.2%)
FALSE	8 (100%)	0 (0%)	8 (80%)	76 (43.2%)
Unknown	0 (0%)	0 (0%)	1 (10%)	17 (9.7%)
PSC to CSC travel time (mins)				
Median [Q1, Q3]	28 [26, 43]	NA	77 [73.5, 79.5]	90 [73, 104]
Missing	3 (37.5%)	1 (100%)	3 (30%)	70 (39.8%)

Supplementary Table 3. Univariable analysis (Kruskal-Wallis χ^2) of variables of interest and DIDO

Variable	n	χ^2	p-value
Outbound crew – metropolitan patients only	189	6.869	1.33e-15
Outbound crew – regional patients only	101	0.13966	0.7086
Thrombolysis – metropolitan patients only	264	6.688	0.0097
Thrombolysis – regional patients only	176	0.36086	0.5480
Transport mode (air or ground) – regional patients only	159	16.62	4.566e-05
Outbound ambulance dispatch code – metropolitan patients only	234	11.258	7.926e-4
Outbound ambulance dispatch code – regional patients only	114	7.9584	0.0048

Supplementary figure 1. Association between PSC case volume/site experience and DIDO.

There was a trend towards lower DIDO with higher case volume in univariable analysis (see Figure below), however this did not reach statistical significance (Spearman's rho for non-parametric data = -0.357, $p = 0.102$). PSC case volume was included in the multivariable regression analysis for regional and metropolitan sites (see Supplementary Table 2), but no statistically significant association was found.

Supplementary Table 4. Regression model results after forward selection of significant variables

Variables included in all initial linear regression models were: Age, sex, NIHSS score at PSC, baseline mRS score, thrombolysis, weekday/weekend, time of day (working hours/after hours), ambulance dispatch code, outbound ambulance crew, case volume (total number of transfers made by that PSC during the study period). The models were refined by identifying the most significant variables using the Akaike Information Criterion and included in the final models below.

1. Overall DIDO for all patients

	Estimate	Std. Error	t value	p value	
(Intercept)	51.4792	59.9625	0.859	0.39152	
Outbound crew (different)	53.6718	17.3654	3.091	0.00225	**
mRS score [linear]	-10.1559	67.0592	-0.151	0.87976	
mRS score [quadratic]	9.2704	57.7877	0.16	0.87269	
mRS score [cubic]	-35.2313	75.4497	-0.467	0.64099	
NIHSS score at PSC	-1.5377	1.134	-1.356	0.17646	
Ambulance dispatch code (Category >2 (less urgent))	38.892	22.259	1.747	0.08197	.
Thrombolysis (yes)	-47.5743	16.7369	-2.842	0.00489	**
Patient age	1.1021	0.6968	1.582	0.11517	
Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1					
Residual standard error: 118.1 on 224 degrees of freedom (220 observations deleted due to missingness)					
Multiple R-squared: 0.1096, Adjusted R-squared: 0.06986					
F-statistic: 2.758 on 10 and 224 DF, p-value: 0.003164					

This model suggests that using a different ambulance crew to transport the patient between PSC and CSC adds 53.7 minutes to DIDO, while the patient receiving thrombolysis reduced DIDO by 47.6 minutes. Note that 220/455 patients were missing data. This result was not reported in the main manuscript as the model is skewed towards metropolitan patients.

2. DIDO for metropolitan patients only (n=279)

	Estimate	Std. Error	t value	p value	
(Intercept)	13.6487	81.6609	0.167	0.8675	
Outbound crew (different)	71.7545	25.0856	2.86	0.00486	**
mRS score [linear]	-21.265	80.9472	-0.263	0.79316	
mRS score [quadratic]	45.757	78.5526	0.583	0.56114	
mRS score [cubic]	-33.7884	94.4443	-0.358	0.72105	
NIHSS score at PSC	-1.3686	1.738	-0.787	0.43229	
Ambulance dispatch code (Category >2 (less urgent))	25.5126	43.4557	0.587	0.55806	
Thrombolysis (yes)	-68.8786	24.94	-2.762	0.0065	**
Patient age	1.3837	0.9779	1.415	0.15924	
Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1					
Residual standard error: 140.8 on 144 degrees of freedom (124 observations deleted due to missingness)					
Multiple R-squared: 0.1334, Adjusted R-squared: 0.07317					
F-statistic: 2.216 on 10 and 144 DF, p-value: 0.01993					

This model using metropolitan patient transfers only suggest that using a different ambulance crew to transport the patient adds 71.8 minutes to DIDO, while the patient receiving thrombolysis reduced DIDO by 68.9 minutes.

3. DIDO for regional patients only (n=176)

	Estimate	Std. Error	t value	p value	
(Intercept)	121.1917	16.8446	7.195	4.00E-10	***
NIHSS score at PSC	-1.9105	0.6709	-2.848	0.00568	**
Ambulance dispatch code (Category >2 (less urgent))	25.3655	12.1908	2.081	0.040876	*
Transport mode (Air transfer)	45.9438	11.6238	3.953	0.000173	***
PSC case volume	1.7071	0.8655	1.972	0.052259	.
Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1					
Residual standard error: 42.9 on 75 degrees of freedom (96 observations deleted due to missingness)					
Multiple R-squared: 0.3472, Adjusted R-squared: 0.3124					
F-statistic: 9.972 on 4 and 75 DF, p-value: 1.59e-06					

Mode of transport was included in the multivariable regression analysis for regional patients. There were too few (n=3) air transfers in the metropolitan cohort.