

APPENDIX 1

Table 1: Logistic regression model restricted to Utstein variables with the presence of prehospital ROSC as the binary outcome (n=645). Results are presented as univariate and multivariable analyses.

	Univariate odds ratio (95% Confidence Interval)	p-value	Adjusted odds ratio (95% Confidence Interval)	p-value
Age ≥ 65 years	1.87 (1.27 to 2.74)	0.002	1.75 (1.15 to 2.66)	0.008
Witnessed				
Unwitnessed	Reference		Reference	
Bystander	1.13 (0.66 to 1.93)	0.654	1.01 (0.57 to 1.77)	0.977
EMS	2.43 (1.41 to 4.18)	0.001	1.47 (0.79 to 2.73)	0.223
Bystander CPR†	0.49 (0.32 to 0.74)	0.001	0.75 (0.45 to 1.24)	0.256
Rhythm				
Asystole	Reference		Reference	
VF/VT	4.37 (2.08 to 9.17)	<0.001	3.65 (1.69 to 7.89)	0.001
PEA	2.74 (1.80 to 4.16)	<0.001	2.20 (1.41 to 3.43)	0.001
Response time*				
0-10 min	Reference		Reference	
11-20 min	0.46 (0.29 to 0.73)	0.001	0.75 (0.43 to 1.29)	0.294
>20 min	0.28 (0.11 to 0.73)	0.009	0.46 (0.15 to 1.37)	0.162

† Bystander CPR was coded as 0 when the arrest was witnessed by EMS. * Response time was coded as 0 when the arrest was witnessed by EMS. VF: ventricular fibrillation. VT: ventricular tachycardia. PEA: pulseless electrical activity.

Table 2: Logistic regression model restricted to Utstein variables with survival to hospital (ROSC on hospital handover) as the outcome (n=645). Results are presented as univariate and multivariable analyses.

	Univariate odds ratio (95% Confidence Interval)	p-value	Adjusted odds ratio (95% Confidence Interval)	p-value
Age ≥ 65 years	2.21 (1.40 to 4.38)	0.001	1.82 (1.12 to 2.96)	0.016
Witnessed				
Unwitnessed	Reference		Reference	
Bystander	0.86 (0.47 to 1.59)	0.636	0.77 (0.41 to 1.47)	0.433
EMS	1.39 (0.75 to 2.59)	0.295	0.86 (0.42-1.74)	0.668
Bystander CPR†	0.62 (0.38 to 1.01)	0.055	0.76 (0.42-1.39)	0.382
Rhythm				
Asystole	Reference		Reference	
VF/VT	4.58 (2.06 to 10.17)	<0.001	3.93 (1.72 to 9.00)	0.001
PEA	1.72 (1.04 to 2.84)	0.034	1.48 (0.87 to 2.53)	0.150
Response time*				
0-10 min	Reference		Reference	
11-20 min	0.53 (0.30 to 0.95)	0.032	0.74 (0.39 to 1.40)	0.351
>20 min	0.21 (0.05 to 0.87)	0.031	0.16 (0.02 to 1.26)	0.082

† Bystander CPR was coded as 0 when the arrest was witnessed by EMS. * Response time was coded as 0 when the arrest was witnessed by EMS. VF: ventricular fibrillation. VT: ventricular tachycardia. PEA: pulseless electrical activity.