

Appendix 1. Characteristics of patients with out-of-hospital cardiac arrest according to prehospital advanced airway use

	EMS advanced airway management			P-value
	All (n = 16,510)	No (n = 7,990)	Yes (n = 8,520)	
Age (yr)				0.34
19–64	4,982 (30)	2,472 (31)	2,510 (29)	
≥ 65	11,528 (70)	5,518 (69)	6,010 (71)	
Sex				0.23
Male	10,266 (62)	4,967 (62)	5,299 (62)	
Female	6,244 (38)	3,023 (38)	3,221 (38)	
Regional EMS system				< 0.05
Osaka	8,055 (49)	2,821 (35)	5,234 (61)	
Seoul	4,277 (26)	3,455 (43)	822 (10)	
Singapore	2,046 (12)	308 (4)	1,738 (20)	
Taipei	2,132 (13)	1,406 (18)	726 (9)	
Witnessed status				< 0.05
No	10,000 (61)	5,040 (63)	4,960 (58)	
Yes	6,510 (39)	2,950 (37)	3,560 (42)	
Bystander CPR				< 0.05
No	10,208 (62)	5,011 (63)	5,197 (61)	
Yes	6,302 (38)	2,979 (37)	3,323 (39)	
Initial ECG rhythm				< 0.05
Shockable	2,508 (15)	1,227 (15)	1,281 (15)	
Non-shockable	13,483 (82)	6,336 (79)	7,147 (84)	
Unknown	519 (3)	427 (5)	92 (1)	
EMS scene time interval				< 0.05
Missing	343 (2)	135 (2)	208 (2)	
0–8 (min)	3,123 (19)	2,433 (30)	690 (8)	
8–16 (min)	8,265 (50)	4,147 (52)	4,118 (48)	
16–24 (min)	4,038 (24)	1,095 (14)	2,943 (35)	
24–32 (min)	741 (4)	180 (2)	561 (7)	
Median (IQR)	12.75 (9–17)	10 (7–14)	15 (11–18.6)	< 0.05
Outcomes				
Survival	1,130 (7)	698 (8.7)	432 (5.1)	< 0.05
Neurological recovery	560 (3)	392 (4.9)	168 (2.0)	< 0.05

Values are presented as number (%) unless otherwise indicated.

EMS, emergency medical services; CPR, cardiopulmonary resuscitation; ECG, electrocardiography; IQR, interquartile range.