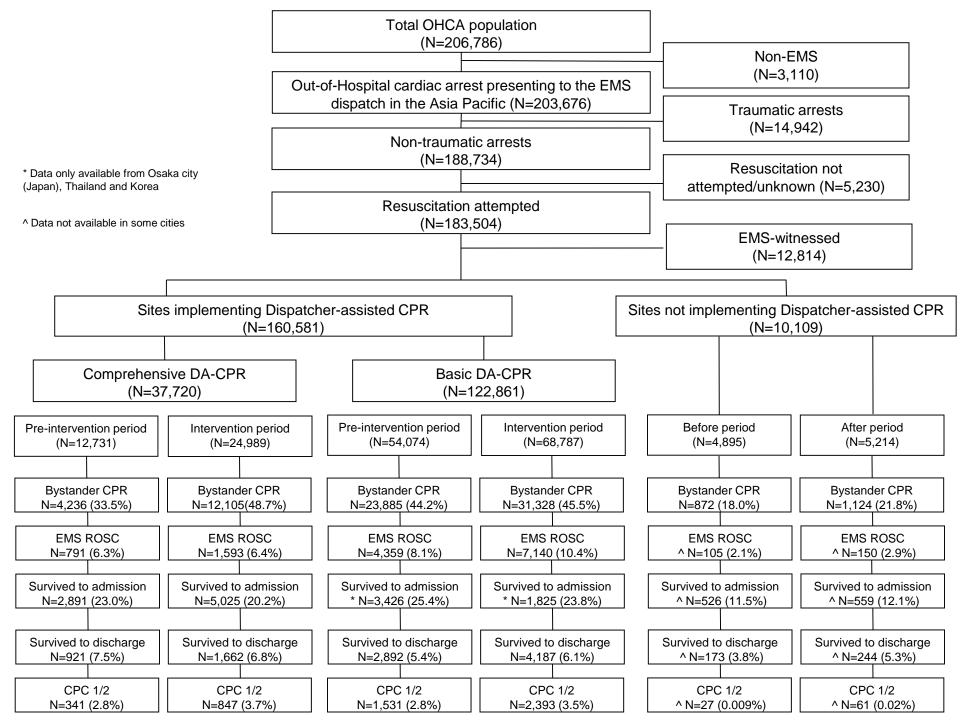


PAROS 2 Analysis Updates

Data Contribution

			,		<u> </u>					
City	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
			1 1 2 3 4 5 6 7 8 9 1 1 2	1 1 2 3 4 5 6 7 8 9 1 1 1 2	1 2 3 4 5 6 7 8 9 1 1 1	1234567891111	1 2 3 4 5 6 7 8 9 1 1 2	1 1 2 3 4 5 6 7 8 9 1 1 1 2	1 2 3 4 5 6 78 9 1 1 1	1 2 3 4 5 6 7 8 9 1 1 1
Japan - Tokyo		tion PAROS 1 5,270)				=25,806)				
Japan - Aichi	Pre-intervent (n=12	tion PAROS 1 2,768)				=13,846)				
Japan - Fukuoka	Pre-intervent	ion (n=7,988)			Basic (n=7,445)					
Japan - Ishikawa	Pre-intervent	ion (n=2,107)			Basic (ı	n=2,064)				
Japan - Wakayama	Pre-intervent	ion (n=2,301)			Basic (ı	n=2,369)				
Japan - Osaka prefecture					Basic (n	=15,261)				
Japan - Osaka city	Pre-intervent (n=13	tion PAROS 1 8,339)	Basic (n=5,402)						
Korea - Daegu				Pre-intervention (n=1,158)	Basic (ı	n=2,426)				
Korea - Gwangju				Pre-intervention (n=547)	Basic (ı	n=1,288)				
Korea - Seoul				tion PAROS 1 7,990)	Comprehens	ive (n=9,294)				
Taiwan - Taipei			rvention PAROS 1 (n=3,023)		Comprehens	sive (n=5,953)			Comprehensive (n=1,819)	
Taiwan - Tainan					Pre- intervention (n=1,152)	Comprehens	ive (n=3,430)			
Singapore		Pre-interve	ention PAROS 1 (n	=3,028)		Comprehensive (n	=9,518)			
Malaysia - Penang		Pre	-intervention PAR	OS 1 (n=135)		C	Comprehensive (r	n=765)		
Malaysia - Kuala Lumpur/ Klang Valley		Pre	e-intervention PAR	OS 1 (n=184)		Co	omprehensive (n	=1,813)		
Malaysia - Eastern - Kuching and Miri						Pre- interventi on (n=175)	prehensive (n=41	10)		
Thailand - Bangkok		Pre-in	tervention PAROS 1 (n=379)		0	HCA (n = 939)			Basic (n=361)	
China - Zhejiang			, ,			ОНСА	(n=1,583)			
Taiwan - Taoyuan					OHCA (r	=10,057)				
Philippines - 2 Cities							OHCA (n	=781)	ОНСА	(n=87)
Vietnam - 3 Cities								OHCA (n=731)		
Pakistan - Karachi							ОН	CA (n=514)	OHCA (n=267)	
India - 3 Cities								ОНСА	(n=2,780)	
Lebanon - Beirut								OHCA (n=225)		
United Arab Emirates						ОНСА	\ (n=912)			



Summary Statistics			Co	mprehensive D	A-CPR countri	es		
							Taiwan.Ta	ipeiTainan
	Korea.Seou	l (n=17,284)	Malaysia	(n=3 <i>,</i> 482)	Singapore	(n=12,546)	(n=12	,505)
	Pre (n=7,990)	Post (n=9,294)	Pre (n=494)	Post (n=2,988)	Pre (n=3,028)	Post (n=9,518)	Pre (n=4,175)	Post (n=8,330)
Age, years, Median (IQR)	66.5 (26)	68 (25)	61 (25)	59 (26)	65 (24)	68 (25)	74 (26.5)	74 (25)
Gender (n, %)								
Male	5243 (65.6)	5915 (63.6)	344 (69.9)	2024 (67.8)	1992 (65.8)	6133 (64.4)	2679 (64.2)	5304 (63.7)
Arrest witnessed by (n, %)								
Not witnessed	3158 (46.7)	3735 (46.9)	254 (55.1)	942 (32.7)	1303 (43)	3741 (39.3)	2400 (62.9)	4261 (54.4)
Bystander	3144 (46.5)	3611 (45.4)	185 (40.1)	1774 (61.6)	1483 (49)	4947 (52)	1069 (28)	3351 (42.8)
EMS	459 (6.8)	611 (7.7)	22 (4.8)	164 (5.7)	242 (8)	830 (8.7)	346 (9.1)	224 (2.9)
First arrest rhythm (n, %) a, b, c, d								
VT, VF, unknown shockable		1300 (14.7)	8 (3.8)	85 (5)	554 (18.6)	1640 (17.4)	381 (9.2)	
Unknown unshockable	247 (3.3)		81 (38.9)	199 (11.6)	24 (0.8)	474 (5)	56 (1.4)	, ,
Asystole	4283 (56.8)		52 (25)	1225 (71.7)	1590 (53.4)	4517 (48)	2289 (55.3)	
Pulseless electrical activity	1103 (14.6)	1466 (16.6)	4 (1.9)	78 (4.6)	806 (27.1)	2714 (28.8)	799 (19.3)	
Unknown	678 (9)	149 (1.7)	63 (30.3)	122 (7.1)	5 (0.2)	75 (0.8)	613 (14.8)	1024 (12.4)
Prehospital intervention (n, %)								
Bystander CPR	2854 (35.7)	4399 (47.3)	76 (16.5)	604 (21)	677 (22.4)	4800 (50.4)	1103 (27.2)	2782 (34.2)
Bystander AED applied a, b	71 (0.9)		0 (0)	108 (3.8)	54 (1.8)	345 (3.7)		
Prehospital defibrillation a, b, c, d	1801 (23.9)		8 (3.8)	111 (6.5)	699 (23.5)	2503 (26.6)	461 (11.2)	, ,
Prehospital drug administration a, b, c, d	59 (0.8)	11 (0.1)	45 (21.6)	612 (35.8)	1419 (47.6)	5187 (55.1)	618 (14.9)	
Prehospital advanced airway a, b, c, d	1181 (19)	1927 (21.8)	83 (39.9)	757 (44.3)	2393 (80.3)	8172 (86.8)	1866 (45.2)	5778 (70.4)
Etiology of arrest (n, %)								
Presumed cardiac	5605 (72.7)	• •	276 (78.6)	1371 (57.2)	2256 (74.5)	6386 (67.1)	3160 (77.3)	7008 (84.5)
Trauma	718 (9.3)		26 (7.4)	191 (8)	99 (3.3)	321 (3.4)	401 (9.8)	
Respiratory	65 (0.8)		12 (3.4)		239 (7.9)	453 (4.8)	290 (7.1)	
Other causes	1321 (17.1)	1606 (17.7)	37 (10.5)	719 (30)	434 (14.3)	2357 (24.8)	238 (5.8)	320 (3.9)
DA CPR performed (n, %) ^f		()				()		
Yes .		3773 (40.6)		115 (6.3)		2550 (75.3)		661 (14.9)
Response time	C (=)	= (=)	40.6 (40.5)	40 (44 5)	0 / 4 - 3	0.0 (4.5)	G (5)	E 0 (0 5)
Median (IQR)	6 (2)	5 (3)	19.6 (12.6)	19 (11.6)	8 (4.4)	8.9 (4.6)	6 (3)	5.3 (3.2)
Outcomes (n, %)	266 (=)	E44 (C 1)	44 (5.3)	20 (6 7)	454 (5.4)	0.40 (0.0)	422 (46.3)	420 (5.3)
EMS ROSC a, b, c, d	366 (5)	541 (6.1)	11 (5.3)	29 (1.7)	151 (5.1)	840 (8.9)	422 (10.2)	
ED ROSC	2667 (35.4)	3422 (36.8)	11 (2.3)	118 (4)	895 (29.6)	3114 (32.7)	1214 (30)	
Any ROSC ³	2917 (36.6)		18 (3.6)	128 (4.3)	913 (30.2)	3256 (34.2)	1305 (31.3)	
Survived to admission	1938 (24.9)		13 (2.7)	89 (3)	522 (17.2)	1764 (18.5)	983 (23.7)	
Survived to discharge	710 (9.5)		5 (1)	8 (0.3)	97 (3.2)	481 (5.1)	292 (7.1)	
Post arrest CPC 1/2	238 (3.2)	409 (4.6)			54 (1.8)	307 (3.2)	127 (3.1)	309 (3.9)

Summary Statistics			Basic DA-CPR	countries		
	Japan (n=	135,966)	Thailand (n	=1,679)	Korea.DaeguGwa	angju (n=5,419)
	Pre (n=63,773)	Post (n=72,193)	Pre (n=1,318)	Post (n=361)	Pre (n=1,705)	Post (n=3,714)
Age, years, Median (IQR)	76 (22)	77 (20)	60 (32)	61 (31)	68 (27)	68 (27)
Gender (n, %)						
Male	36840 (57.8)	41164 (57)	857 (65)	243 (67.3)	1061 (62.2)	2391 (64.4)
Arrest witnessed by (n, %)						
Not witnessed	37758 (59.2)	41267 (57.2)	402 (30.7)	170 (47.1)	559 (41.1)	1401 (46)
Bystander	21444 (33.6)	25703 (35.6)	875 (66.9)	176 (48.8)	664 (48.9)	1376 (45.2)
EMS	4571 (7.2)	5223 (7.2)	31 (2.4)	15 (4.2)	136 (10)	269 (8.8)
First arrest rhythm (n, %) a, b, c, d						
VT, VF, unknown shockable	4767 (7.5)	4783 (6.6)	78 (8.7)	35 (9.8)	221 (14.6)	512 (15)
Unknown unshockable	13889 (21.8)	4941 (6.8)	7 (0.8)	1 (0.3)	143 (9.4)	262 (7.7)
Asystole	34065 (53.4)	43443 (60.2)	737 (81.9)	287 (80.6)	841 (55.5)	2067 (60.6)
Pulseless electrical activity	10527 (16.5)	15803 (21.9)	69 (7.7)	33 (9.3)	114 (7.5)	476 (13.9)
Unknown	525 (0.8)	3223 (4.5)	9 (1)	0 (0)	195 (12.9)	96 (2.8)
Prehospital intervention (n, %)						
Bystander CPR	25683 (40.3)	30295 (42)	215 (16.4)	115 (31.9)	363 (21.3)	1330 (35.8)
Bystander AED applied a, b	340 (0.7)	931 (1.4)	21 (2.1)	5 (1.4)	35 (2.1)	108 (2.9)
Prehospital defibrillation a, b, c, d	6660 (10.4)	9987 (13.8)	141 (15.7)	58 (16.3)	272 (18)	669 (19.6)
Prehospital drug administration a, b, c, d	5124 (8)	8747 (12.1)	691 (76.8)	262 (73.6)		6 (0.2)
Prehospital advanced airway a, b, c, d	24430 (38.3)	26158 (36.2)	687 (76.3)	261 (73.3)	239 (16.2)	893 (26.2)
Etiology of arrest (n, %)						
Presumed cardiac	35176 (55.2)	46784 (64.8)	822 (62.5)	270 (74.8)	1138 (68.2)	2536 (70.2)
Trauma	7495 (11.8)	1491 (2.1)	126 (9.6)	16 (4.4)	259 (15.5)	441 (12.2)
Respiratory	3457 (5.4)	4342 (6)	143 (10.9)	37 (10.2)	8 (0.5)	19 (0.5)
Other causes	17644 (27.7)	19576 (27.1)	224 (17)	38 (10.5)	264 (15.8)	618 (17.1)
DA CPR performed (n, %) ^f						
Yes		35257 (48.8)		134 (37.1)		1022 (27.5)
Response time						
Median (IQR)	6 (3)	6 (3)	13.4 (7)	13.1 (8.2)	6 (3)	6 (3)
Outcomes (n, %)						
EMS ROSC a, b, c, d	5426 (8.5)	8104 (11.2)	175 (19.4)	75 (21.1)	57 (3.9)	217 (6.4)
ED ROSC			359 (27.2)	78 (21.6)	405 (24.6)	1170 (31.5)
Any ROSC ³			407 (30.9)	111 (30.7)	450 (26.5)	1181 (31.8)
Survived to admission			293 (22.3)	62 (17.2)	283 (16.6)	641 (17.3)
Survived to discharge	3633 (5.7)	4865 (6.7)	47 (3.6)	2 (0.6)	70 (4.5)	196 (5.7)
Post arrest CPC 1/2	1959 (3.1)	2859 (4)	11 (0.9)	0 (0)	36 (2.3)	119 (3.5)

Summary Statistics			Countries	s which did no	ot implement [DA-CPR		
	Taiwan.T	•						
	(n=10,	.057)	China (n=	:1,583)	India (n=	:2,780)	Lebanon	(n=225)
		Post		Post		Post		
	Pre (n=4,790)	(n=5,267)	Pre (n=343)		Pre (n=1,630)	(n=1,150)		Post (n=109)
Age, years, Median (IQR)	68 (32)	68 (32)	59 (31.75)	60 (28)	50 (30)	55 (26)	75 (22.5)	73 (25)
Gender (n, %)								
Male	3313 (69.2)	3698 (70.2)	255 (74.3)	876 (70.6)	1148 (70.4)	791 (68.8)	77 (67)	75 (68.8)
Arrest witnessed by (n, %)								
Not witnessed	2771 (61.5)	3170 (64.4)	40 (11.7)	268 (21.8)	1515 (92.9)	1012 (88)	26 (26)	
Bystander		1462 (29.7)	301 (87.8)	935 (76)	5 (0.3)	3 (0.3)	69 (69)	
EMS	230 (5.1)	291 (5.9)	2 (0.6)	28 (2.3)	110 (6.7)	135 (11.7)	5 (5)	4 (4.1)
First arrest rhythm (n, %) ^{a, b, c, d}								
VT, VF, unknown shockable	251 (6.7)	205 (5.3)	19 (8.2)	75 (7.9)	0 (0)	0 (0)	0 (0)	
Unknown unshockable		621 (16.1)	2 (0.9)	5 (0.5)	5 (0.3)	2 (0.2)	0 (0)	
Asystole	746 (19.9)	870 (22.6)	103 (44.2)	593 (62.6)	2 (0.1)	0 (0)	0 (0)	
Pulseless electrical activity	236 (6.3)	258 (6.7)	30 (12.9)	93 (9.8)	0 (0)	0 (0)	0 (0)	0 (0)
Unknown	1315 (35.2)	1904 (49.4)	79 (33.9)	181 (19.1)	1621 (99.6)	1147 (99.8)	1 (100)	15 (42.9)
Prehospital intervention (n, %)								
Bystander CPR	936 (20)	1182 (23.2)	56 (16.3)	159 (12.9)	1 (0.1)	0 (0)	8 (38.1)	• •
Bystander AED applied a, b			24 (8.2)	31 (2.9)	9 (0.6)	2 (0.2)	0 (0)	
Prehospital defibrillation a, b, c, d	204 (5.5)	204 (5.3)	22 (9.5)	87 (9.2)	0 (0)	0 (0)	0 (0)	6 (17.1)
Prehospital drug administration a, b, c, d	172 (4.6)	248 (6.4)	122 (53)	289 (30.7)	27 (1.7)	24 (2.1)	0 (0)	0 (0)
Prehospital advanced airway a, b, c, d	2607 (69.7)	3235 (83.9)	114 (49.6)	274 (29)	1 (0.1)	0 (0)	0 (0)	0 (0)
Etiology of arrest (n, %)								
Presumed cardiac	3410 (71.2)	3914 (74.3)	149 (44)	503 (42.7)	185 (11.4)	265 (23.1)	105 (90.5)	93 (86.1)
Trauma	701 (14.6)	715 (13.6)	85 (25.1)	328 (27.8)	217 (13.4)	127 (11.1)	2 (1.7)	
Respiratory	258 (5.4)	273 (5.2)	10 (2.9)	70 (5.9)	222 (13.7)	206 (17.9)	4 (3.4)	9 (8.3)
Other causes	421 (8.8)	365 (6.9)	95 (28)	277 (23.5)	999 (61.6)	551 (48)	5 (4.3)	4 (3.7)
DA CPR performed (n, %) ^f								
Yes								
Response time								
Median (IQR)	7.5 (3.4)	7.5 (3)	12 (12.9)	12 (8.8)	14.1 (12.5)	13.3 (11.9)	15 (10)	20 (24.5)
Outcomes (n, %)								
EMS ROSC a, b, c, d	87 (2.3)	135 (3.5)	31 (13.5)	43 (4.6)	11 (0.7)	0 (0)		
ED ROSC	729 (15.4)	811 (15.7)	73 (21.9)	166 (13.9)	10 (0.6)	2 (0.2)	16 (13.8)	25 (22.9)
Any ROSC ³	744 (15.5)	835 (15.9)	84 (24.7)	186 (15)	11 (0.7)	2 (0.2)		
Survived to admission	626 (13.2)	665 (12.8)	63 (18.7)	152 (12.3)	9 (0.6)	1 (0.1)	15 (12.9)	
Survived to discharge		301 (5.8)	18 (5.4)	70 (5.6)	3 (0.2)	0 (0)	7 (6.1)	4 (3.7)
Post arrest CPC 1/2	38 (0.8)	80 (1.6)	3 (0.9)	7 (0.6)				

Summary Statistics			Countrie	s which did no	t implement	DA-CPR		
	Pakistan	(n=781)	Philippines	s (n=868)	UAE (n	=911)	Vietnam	(n=700)
	Pre (n=514)	Post (n=267)	Pre (n=781)	Post (n=87)	Pre (n=325)	Post (n=586)	Pre (n=243)	Post (n=457)
Age, years, Median (IQR)	58 (29.5)	60 (20)	57 (24)	52 (27)	53 (31)	52 (30.25)	57 (29)	53 (27)
Gender (n, %)								
Male	328 (63.8)	172 (64.4)	516 (66.1)	61 (70.1)	237 (73.1)	448 (76.5)	184 (75.7)	340 (74.6)
Arrest witnessed by (n, %)								
Not witnessed	16 (3.1)	12 (4.5)	264 (33.8)	54 (62.1)	123 (38.1)	208 (35.5)	86 (36.4)	62 (14.5)
Bystander	489 (95.1)	252 (94.4)	496 (63.6)	33 (37.9)	174 (53.9)	328 (56)	115 (48.7)	296 (69)
EMS	9 (1.8)	3 (1.1)	20 (2.6)	0 (0)	26 (8)	50 (8.5)	35 (14.8)	71 (16.6)
First arrest rhythm (n, %) a, b, c, d								
VT, VF, unknown shockable	5 (9.1)	4 (23.5)	3 (2.4)	4 (14.3)	61 (18.9)	82 (14)	7 (20.6)	40 (29.4)
Unknown unshockable	0 (0)	0 (0)	3 (2.4)	13 (46.4)	79 (24.5)	72 (12.3)	2 (5.9)	8 (5.9)
Asystole	4 (7.3)	2 (11.8)	26 (21)	1 (3.6)	115 (35.7)	375 (64.2)	8 (23.5)	8 (5.9)
Pulseless electrical activity	0 (0)	0 (0)	4 (3.2)	0 (0)	16 (5)	19 (3.3)	4 (11.8)	10 (7.4)
Unknown	46 (83.6)	11 (64.7)	88 (71)	10 (35.7)	51 (15.8)	36 (6.2)	13 (38.2)	70 (51.5)
Prehospital intervention (n, %)								
Bystander CPR	52 (10.1)	27 (10.1)	50 (6.4)	10 (11.5)	97 (29.8)	156 (26.6)	39 (17)	127 (29.4)
Bystander AED applied ^{a, b}	1 (0.3)	4 (2.2)	1 (0.5)	1 (3.2)	14 (4.3)	13 (2.2)	3 (3.4)	16 (6.2)
Prehospital defibrillation a, b, c, d	1 (1.8)	3 (17.6)	2 (1.6)	5 (17.9)	159 (49.4)	301 (51.5)	7 (20.6)	44 (32.6)
Prehospital drug administration a, b, c, d	22 (40)	4 (23.5)	19 (15.3)	12 (42.9)	88 (27.3)	59 (10.1)	29 (85.3)	129 (94.9)
Prehospital advanced airway a, b, c, d	38 (69.1)	7 (41.2)	13 (10.5)	2 (7.1)	268 (83.2)	529 (90.6)	22 (64.7)	112 (82.4)
Etiology of arrest (n, %)								
Presumed cardiac	209 (42.8)	235 (92.5)	507 (71.2)	80 (93)			100 (42.4)	157 (35)
Trauma	46 (9.4)	3 (1.2)	37 (5.2)	0 (0)			28 (11.9)	82 (18.3)
Respiratory	140 (28.7)	12 (4.7)	78 (11)	3 (3.5)			68 (28.8)	66 (14.7)
Other causes	93 (19.1)	4 (1.6)	90 (12.6)	3 (3.5)			40 (16.9)	143 (31.9)
DA CPR performed (n, %) ^f								
Yes								
Response time								
Median (IQR)	14 (9)	15 (10.2)	10 (10)	17.5 (10)	10 (8)	10 (8)	18.8 (20)	15 (15)
Outcomes (n, %)								
EMS ROSC a, b, c, d	6 (10.9)	0 (0)	5 (4)	2 (7.1)	14 (4.3)	31 (5.3)	17 (50)	100 (73.5)
ED ROSC	37 (7.2)	9 (3.4)	107 (15)	10 (11.5)			49 (20.2)	209 (46)
Any ROSC ³	42 (8.2)	9 (3.4)	111 (14.2)	10 (11.5)			50 (20.6)	222 (48.6)
Survived to admission	21 (4.1)	5 (1.9)	53 (6.8)	4 (4.6)			34 (14.2)	107 (23.9)
Survived to discharge	7 (1.4)	2 (0.7)	6 (0.8)	1 (1.1)			18 (7.5)	64 (15)
Post arrest CPC 1/2	5 (1)	1 (0.4)	1 (0.1)	1 (1.1)			10 (4.2)	14 (3.6)

Outcomes Before-After Comparison by Country

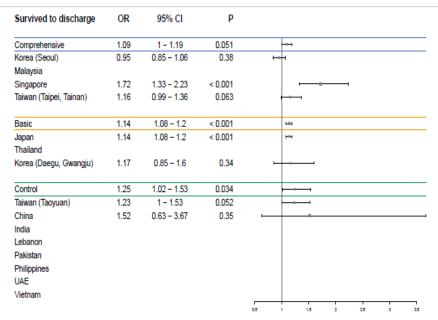
Bystander CPR	OR	95% CI	Р	
Comprehensive	2.14	2.04 - 2.25	< 0.001	HH.
Korea (Seoul)	1.72	1.61 - 1.84	< 0.001	H⇔H
Malaysia	1.17	0.84 - 1.63	0.36	
Singapore	3.98	3.61 - 4.39	< 0.001	⊢ ⊶
Taiwan (Taipei, Tainan)	1.85	1.69 - 2.03	< 0.001	₩
Basic	1.09	1.06 - 1.11	< 0.001	u u
Japan	1.06	1.04 - 1.09	< 0.001	
Thailand	2.28	1.7 - 3.05	< 0.001	<u> </u>
Korea (Daegu, Gwangju)	1.95	1.68 - 2.25	< 0.001	
Control	1.15	1.03 - 1.28	0.0096	P=4
Taiwan (Taoyuan)	1.24	1.1 - 1.39	< 0.001	HH
China	0.62	0.41 - 0.95	0.029	⊢
India				
Lebanon				
Pakistan				
Philippines	2.03	0.72 - 5.72	0.18	+
UAE	0.86	0.64 - 1.17	0.35	
Vietnam				
				05 1 15 2 25 3 35 4 45 5 55

EMS ROSC	OR	95% CI	Р	
Comprehensive	1.03	0.94 - 1.13	0.52	-
Korea (Seoul)	1.3	1.12 - 1.51	< 0.001	□
Malaysia				
Singapore	1.9	1.56 - 2.31	< 0.001	⊢ ⊸
Taiwan (Taipei, Tainan)	0.51	0.44 - 0.59	< 0.001	HH
Basic	1.34	1.29 - 1.4	< 0.001	нн
Japan	1.34	1.29 - 1.4	< 0.001	нн
Thailand	1.08	0.79 - 1.48	0.64	
Korea (Daegu, Gwangju)	1.72	1.22 - 2.4	0.0017	
Control	1.02	0.78 - 1.34	0.89	
Taiwan (Taoyuan)	1.3	0.94 - 1.8	0.11	
China	0.32	0.17 - 0.57	< 0.001	⊢
India				
Lebanon				
Pakistan				
Philippines				
UAE	1.35	0.64 - 2.86	0.43	
Vietnam				0 05 1 15 2 25

ED ROSC	OR	95% CI	Р									
Comprehensive	1.03	0.98 - 1.08	0.22	+	ı							_
Korea (Seoul)	1.06	0.99 - 1.13	0.11		4							
Malaysia	0.93	0.42 - 2.08	0.87			_						
Singapore	1.22	1.11 - 1.35	< 0.001		нн							
Taiwan (Taipei, Tainan)	0.84	0.77 - 0.92	< 0.001	нн								
Basic	1.12	1.05 - 1.2	< 0.001		4							_
Japan	1.07	1 - 1.15	0.065		н							
Thailand	1.2	0.87 - 1.67	0.27	Н								
Korea (Daegu, Gwangju)	1.37	1.17 - 1.59	< 0.001									
Control	0.96	0.85 - 1.09	0.53	Per	ı							_
Taiwan (Taoyuan)	0.99	0.87 - 1.12	0.85	Н	4							
China	0.59	0.38 - 0.92	0.021									
India												
Lebanon												
Pakistan												
Philippines	2	0.71 - 5.64	0.19	\vdash		-						_
UAE												
Vietnam												
				0.5 1	1.5	2 25	3	3.5	4	4.5	5	5.5

Survived to admission	OR	95% CI	Р	
Comprehensive	0.98	0.93 - 1.04	0.52	
Korea (Seoul)	0.99	0.92 - 1.07	0.85	H
Malaysia	0.56	0.27 - 1.16	0.12	
Singapore	1.16	1.03 - 1.31	0.016	
Taiwan (Taipei, Tainan)	0.87	0.79 - 0.98	0.0048	
Basic	1.03	0.96 - 1.1	0.48	<u> </u>
Japan	1.04	0.96 - 1.12	0.3	
Thailand	0.96	0.67 - 1.37	0.83	
Korea (Daegu, Gwangju)	0.96	0.81 - 1.14	0.65	
Control	0.91	0.8 - 1.05	0.19	<u> </u>
Taiwan (Taoyuan)	0.93	0.81 - 1.07	0.31	⊢ ⊶
China	0.73	0.45 - 1.19	0.21	-
India				
Lebanon				
Pakistan				
Philippines				
UAE				
Vietnam				
				05 1 15

Outcomes Before-After Comparison by Country



Survived to discharge (Utstein)	OR	95% CI	Р	
Comprehensive	1.5	1.27 - 1.78	< 0.001	⊢
Korea (Seoul)	1.58	1.27 - 1.96	< 0.001	⊢≕
Malaysia				
Singapore	1.57	1.1 - 2.24	0.014	
Taiwan (Taipei, Tainan)	1.24	0.85 - 1.8	0.27	
Basic	1.25	1.12 - 1.39	< 0.001	
Japan	1.23	1.11 - 1.37	< 0.001	
Thailand				
Korea (Daegu, Gwangju)	1.63	0.96 - 2.76	0.072	-
Control				
Taiwan (Taoyuan)	1.13	0.65 - 1.96	0.66	<u> </u>
China				
India				
Lebanon				
Pakistan				
Philippines				
UAE				
Vietnam				

Post arrest CPC 1/2	OR	95% CI	P						
Comprehensive	1.47	1.29 - 1.68	< 0.001						
Korea (Seoul)	1.38	1.15 - 1.64	< 0.001						
Malaysia									
Singapore	2.11	1.47 - 3.02	< 0.001		ļ —				
Taiwan (Taipei, Tainan)	1.39	1.1 - 1.76	0.0061						
Basic	1.23	1.15 - 1.31	< 0.001		H=-1				
Japan	1.23	1.15 - 1.31	< 0.001		HH				
Thailand									
Korea (Daegu, Gwangju)	1.21	0.81 - 1.81	0.36	-	-				
Control									
Taiwan (Taoyuan)	2.12	1.34 - 3.36	0.0014		-				
China									
India									
Lebanon									
Pakistan									
Philippines									
UAE									
Vietnam									
					1 1.5	2	2.5	3	3.5

Outcomes Comparison by Intervention Group

Duratan dan CDD	Ratio of OR	95% CI	Р	
Bystander CPR Comprehensive vs. Control Basic vs. Control Comprehensive vs. Basic	1.86 0.94 1.97	1.66 - 2.09 0.85 - 1.05 1.87 - 2.08	< 0.001 0.3 < 0.001	
EMS ROSC Comprehensive vs. Control Basic vs. Control Comprehensive vs. Basic	1.01 1.32 0.77	0.76 - 1.35 1 - 1.73 0.69 - 0.85	0.94 0.048 < 0.001	
ED ROSC Comprehensive vs. Control Basic vs. Control Comprehensive vs. Basic	1.07 1.17 0.92	0.94 - 1.22 1.02 - 1.35 0.85 - 0.99	0.3 0.027 0.032	
Survived to admission Comprehensive vs. Control Basic vs. Control Comprehensive vs. Basic	1.07 1.12 0.96	0.93 - 1.24 0.96 - 1.3 0.88 - 1.05	0.33 0.14 0.34	1—————————————————————————————————————
Survived to discharge Comprehensive vs. Control Basic vs. Control Comprehensive vs. Basic	0.87 0.91 0.96	0.7 - 1.09 0.74 - 1.13 0.87 - 1.06	0.23 0.39 0.38	
Survived to discharge (Utstein) Comprehensive vs. Basic	1.21	0.99 - 1.47	0.065	
Post arrest CPC 1/2 Comprehensive vs. Basic	1.2	1.04 - 1.39	0.015	
				0.5 1 1.5 2