



Data Related Issues

Data Collection Period and Progress – Phase 2 (Export Countries)



Country	City	Intervention Package	Date	Period	Number of Cases	DA-CPR done (Yes/No) data	DA-CPR Audit data
Japan	Aichi	Basic	Jan 2013 to Dec 2014	2 years	13,846	Yes	N.A.
Japan	Fukuoka	Basic	Jan 2013 to Dec 2014	2 years	7,445	Yes	N.A.
Japan	Ishikawa	Basic	Jan 2013 to Dec 2014	2 years	2,064	Yes	N.A.
Japan	Osaka	Basic	Jan 2013 to Dec 2014	2 years	15,261	Yes	N.A.
Japan	Tokyo	Basic	Jan 2013 to Dec 2014	2 years	25,806	Yes	N.A.
Japan	Wakayama	Basic	Jan 2013 to Dec 2014	2 years	2,369	Yes	N.A.
Japan	<i>Osaka City</i>	<i>Basic</i>	<i>Jan 2011 to Dec 2012</i>	<i>2 years</i>	<i>5,402</i>	Yes	N.A.

**N.A. - not applicable*

Data Collection Period and Progress – Phase 2 (Export Countries)



Country	City	Intervention Package	Date	Period	Number of Cases	DA-CPR done (Yes/No) data	DA-CPR Audit data
Korea	Daegu	Basic	Jan 2013 to Dec 2014	2 years	2,426	Yes	N.A.
Korea	Gwangju	Basic	Jan 2013 to Dec 2014	2 years	1,288	Yes	N.A.
Korea	Seoul	Comprehensive	Jan 2013 to Dec 2014	2 years	9,294	Yes	436 cases
Taiwan	Taoyuan	OHCA	Jan 2012 to Dec 2015	4 years	10,057	N.A.	N.A.
Taiwan	Tainan	Comprehensive	Jun 2013 to Dec 2015	2.5 years	6,579	Yes (imputed from audit data)	5,171 cases
Taiwan	Taipei	Comprehensive	Jan 2013 to Dec 2014	2 years	5963	No	309 cases

**N.A. - not applicable*

Data Collection Period and Progress – Phase 2 (ePAROS Countries)



Country	City	Intervention Package	Date	Period	Number of Cases	DA-CPR done (Yes/No) data	DA-CPR Audit data	Remarks
Singapore	Singapore	Comprehensive	Jan 2013 to Dec 2015	3 years	6,146	Yes (imputed from audit data)	3,352 cases	
Malaysia	Southern West	Comprehensive	Jan 2013 to Dec 2016	4 years	1,747	Yes (imputed from audit data)	933 cases	No data from Jun 15 - Dec 15
Malaysia	Northern West	Comprehensive	Jan 2013 to Feb 2017	4 years 2 mths	620	Yes (imputed from audit data)	367 cases	No data from Kelantan state for PAROS 2
Malaysia	Eastern	Comprehensive	Jan 2014 to Apr 2015	1 year 4 mths	572	Yes (imputed from audit data)	434 cases	
Thailand	Bangkok	Basic	Aug 2016 to Apr 2017	8 months	150	No	N.A.	
UAE	Dubai	Comprehensive	Jan 2013 to Jul 2014	1 years 7 mths	577	No	No	Only 3 EMS data entered in 2015 and 2 EMS data entered in 2016
UAE	Abu Dhabi	Basic	Jan 2014 to Feb 2016	2 years 2 mths	912	No	N.A.	Only EMS data

**N.A. - not applicable*

Data Collection Period and Progress – Phase 2 (ePAROS Countries)



Country	City	Intervention Package	Date	Period	Number of Cases	DA-CPR done (Yes/No) data	DA-CPR Audit data	Remarks
Philippines	Davao	OHCA	Jan 2015 to Sep 2016	1 year 9 mths	782	N.A.	N.A.	
Philippines	Manila							
Philippines	Makati							
Philippines	Cebu							
Philippines	Cavite							
Philippines	Batangas							
Philippines	Bacolod							
Vietnam	Ho Chi Minh	OHCA	Aug 2014 to Jan 2016	1 year 6 mths	176	N.A.	N.A.	Only 2 OHCA cases entered for Jan 2016
Vietnam	Hue	OHCA	Aug 2014 to Sep 2015	1 year 2 mths	93	N.A.	N.A.	
Vietnam	Hanoi	OHCA	Aug 2014 to May 2017	2 years 10 mths	178	N.A.	N.A.	

**N.A. - not applicable*

Data Collection Period and Progress – Phase 2 (ePAROS Countries)



Country	City	Intervention Package	Date	Period	Number of Cases	DA-CPR done (Yes/No) data	DA-CPR Audit data	Remarks
China	Zhejiang	OHCA	Jan 2012 to Dec 2015	4 years	579	N.A.	N.A.	Only 8 OHCA cases entered for year 2016 and 4 OHCA cases entered for Apr 2017
Pakistan	Karachi	OHCA	Aug 2015 to Sep 2016	1 year 2 mths	512	N.A.	N.A.	
India	Telangana	OHCA	Sep 2015 to Jul 2017	2 years 11 mths	1,830	N.A.	N.A.	Only 1 OHCA case for Jul 2017 No OHCA cases entered between Jan 2017 - Jun 2017
<i>Saudi Arabia</i>	<i>Riyadh</i>	<i>OHCA</i>	<i>Mar 2016 to Jan 2017</i>	<i>10 months</i>	<i>27</i>	<i>N.A.</i>	<i>N.A.</i>	<i>Associate country</i>
<i>Lebanon</i>	<i>Beirut</i>	<i>OHCA</i>	<i>May 2014 to Mar 2017</i>	<i>2 years 11 mths</i>	<i>168</i>	<i>N.A.</i>	<i>N.A.</i>	<i>Associate country</i>

**N.A. - not applicable*

DEFINITIONS

DA-CPR recognized: Variable “Did Dispatch recognize need for CPR” is checked as “Yes”

DA-CPR done: Variables “CPR instructions started?” and “Chest Compressions performed” are checked as “Yes”

CPR already in progress?	<input type="checkbox"/> ₁ Yes	<input type="checkbox"/> ₂ No	<input type="checkbox"/> ₃ Unknown
Did Dispatch recognize need for CPR?	<input checked="" type="checkbox"/> ₁ Yes	<input type="checkbox"/> ₂ No	<input type="checkbox"/> ₃ Unknown
CPR instructions started?	<input checked="" type="checkbox"/> ₁ Yes	<input type="checkbox"/> ₂ No	<input type="checkbox"/> ₃ Unknown
Chest Compressions performed?	<input checked="" type="checkbox"/> ₁ Yes	<input type="checkbox"/> ₂ No	<input type="checkbox"/> ₃ Unknown
Barriers to CPR	<input type="checkbox"/> ₁ Hang up phone	<input type="checkbox"/> ₂ Caller left phone	<input type="checkbox"/> ₃ Caller refused
	<input type="checkbox"/> ₄ Caller not with patient	<input type="checkbox"/> ₅ Language barrier	<input type="checkbox"/> ₆ Overly distraught
	<input type="checkbox"/> ₇ Couldn't move patient	<input type="checkbox"/> ₈ Patient's status changed	<input type="checkbox"/> ₉ Difficult patient access

REMINDER

❖ Recap on 3 packages for PAROS 2:

PAROS 2 Packages	OHCA Data (PAROS 1 variables)	DA-CPR done (Y/N)	At least 10% audit data (reviewing of audio tapes)
OHCA	✓		
Basic	✓	✓	
Comprehensive	✓	✓	✓

E	F	AL	AM	AN	AO	AP	AQ
Patient brou	Date of Inci	Estimated time of arrest unk	Arrest witnessed by	Bystander CPR	Dispatcher-assisted CPR performed	First CPR initiated by	Bystander AED appl
EMS	01/04/2010	N/A	Not witnessed	Yes	No	Bystander - Family	No
EMS	01/04/2010	N/A	Not witnessed	No	No	Ambulance Crew	No
EMS	01/04/2010	N/A	Not witnessed	Yes	No	Bystander - Healthcare provider	Yes
EMS	02/04/2010	N/A	Not witnessed	No	No	Ambulance Crew	No
EMS	03/04/2010	N/A	Not witnessed	Yes	No	Bystander - Lay Person	No
EMS	06/04/2010	N/A	Not witnessed	No	No	Ambulance Crew	No

Matters arising

- Conflicting data in certain variables

e.g Bystander CPR vs DA-CPR done

Bystander CPR (1=Yes/2=No)	DA_CPR done (1=Yes/2=No)
1	1
1	1
2	1
1	1
2	1
1	1
1	1
1	1
1	1
2	1
1	1
2	1
2	1
1	1

Matters arising

- Conflicting data in certain variables

e.g DA-CPR done vs DA-CPR Audit data

DA_CPR done (1=Yes/2=No)	DidDispatchRecognize NeedForCPR	CPR_instructions Started	ChestCompressions Performed
1	Yes	Yes	Yes
2	Yes	Yes	Yes
1	Yes	Yes	Yes
2	Yes	Yes	Yes
2	Yes	Yes	Yes
2	Yes	Yes	Yes
1	Yes	Yes	Yes
1	Yes	Yes	Yes
2	Yes	Yes	Yes
1	Yes	Yes	Yes
2	Yes	Yes	Yes

Continuous OHCA data contribution



Current PAROS database

Country	City	2009												2010												2011												2012												2013												2014												2015												2016												2017																																															
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12																																				
Japan	Osaka	Yellow												Green																																																																																																																																			
	Tokyo	Yellow												Green																																																																																																																																			
	Aichi	Yellow												Green																																																																																																																																			
	Fukuoka																																																	Cyan												Purple																																																																																			
	Ishikawa																																																	Cyan												Purple																																																																																			
	Wakayama																																																	Cyan												Purple																																																																																			
	Osaka City																									Blue												Red												Cyan												Purple																																																																																			
Korea	Seoul																									Blue												Red												Cyan												Purple																																																																																			
	Daegu																									Blue												Red												Cyan												Purple																																																																																			
Taiwan	Gwangju																																																	Cyan												Purple																																																																																			
	Taipei													Green												Blue																								Cyan												Purple																																																																																			
	Tainan																																																	Cyan												Purple												Red																																																																							
Taoyuan																																																	Cyan												Purple												Red																																																																								
Singapore	Singapore													Green												Blue												Red												Cyan												Purple												Red																																																																							
Malaysia	Penang													Green												Blue												Red												Cyan												Purple												Red												Pink												Grey																																															
	Kota Bahru													Green												Blue												Red												Cyan												Purple												Red												Pink												Grey																																															
	Kuala Lumpur/ Klang Valley													Green												Blue												Red												Cyan												Purple												Red												Pink												Grey																																															
Thailand	Eastern																																																	Cyan												Purple												Red																																																																							
	Bangkok													Green												Blue												Red												Cyan												Purple												Red												Pink												Grey																																															
Songkla																																																	Cyan												Purple												Red																																																																								
UAE	Dubai																																																	Cyan												Purple												Red												Pink																																																											
	Abu Dhabi																																																	Cyan												Purple												Red												Pink																																																											
China	Zhejiang																																					Red												Cyan												Purple												Red																																																																							
																																																		Cyan												Purple												Red																																																																							
Philippines	Davao																																																																									Red												Pink																																																											
	Manila																																																																									Red												Pink																																																											
	Makati																																																																									Red												Pink																																																											
	Cebu																																																																									Red												Pink																																																											
	Cavite																																																																									Red												Pink																																																											
	Batangas																																																																									Red												Pink																																																											
Bacolod																																																																									Red												Pink																																																												
Vietnam	Ho Chi Minh																																																																									Purple												Red												Pink												Grey																																			
	Hue																																																																									Purple												Red												Pink												Grey																																			
	Hanoi																																																																									Purple												Red												Pink												Grey																																			
Pakistan	Karachi																																																																																					Red												Pink												Grey																																			
India	Telangana																																																																																					Red												Pink												Grey																																			

Thank you