

Agenda



- Recap PAROS 2 implementation packages
- Summary statistics by country
- Common issues during data cleaning

Data Collection



Basic Package Implementation

- Dispatcher-CPR protocol
- Training program

Comprehensive Package Implementation

- → Dispatcher-CPR protocol
- Training program
- Quality measurement tool
- → Quality Improvement Program
- Community Education Program

Control

→ Collection of Out-of-Hospital Cardiac Arrest data only

Data Contribution Table

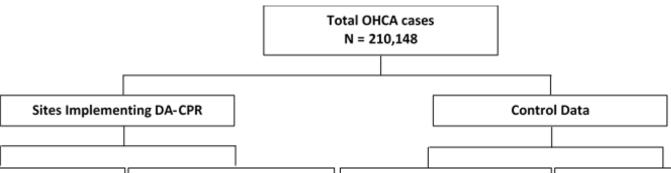


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City	2009	20	010	2011	2012	2013	2014		2015	2016		2017	2	018	
Japan - Tokyo	Pre-intervention (PAROS 1 n=25,270)					Basic (n=25,806)									
Japan - Aichi	Pre-intervention (PAROS1 n=12,768)					Basic (n=13,846)									
Japan - Fukuoka	Pre-intervention (n=7988)					Basic (n=7,445)									
Japan - Ishikawa	Pre-intervention (n=2107)					Basic (n=2,064)									
Japan - Wakayama	Pre-intervention (n=2301)					Basic (n=2,369)									
Japan - Osaka prefecture							Basic (n=15,261)								
Japan - Osaka City	Pre-intervention (PAROS 1 n=13,339)			Basic	(n=5,402)										
Korea - Daegu				Pre-intervention (n=1,158)		Basic (n=2,426)									
Korea - Gwangju				Pre-intervention (n=547)		Basic (n=1,288)									
Korea - Seoul				Pre-intervention (PAROS 1 n=7990)		Comprehensive (n=9,294)									
Taiwan - Taipei	Pre-interve			ntion (PAROS 1 n=3,023)		Comprehensive (n=5,963)						Comprehensive = 1819			
Taiwan - Tainan						Pre-intervention (n=1,152)	Comp	rehensive (n=3,	430)						
Singapore	Pre-intervention (PAROS 1 n=3,028)					Comprehensive (n=9,518)									
Malaysia - Penang	Pre-intervention (PAROS 1 n=135)				05 1 n=135)			Compr	ehensive (n=766)						
Malaysia - Kuala Lumpur/ Klang Valley				Pre-intervention (PAROS 1 n=184)		Comprehensive (n=1,035)		i)	Co		omprehensive	mprehensive (n=779)			
Malaysia - Eastern							Pre-interventio	Comprehe	nsive (n=410)						
Thailand - Bangkok	P			PAROS 1 (n=379)		OHCA (n = 939)						Basic (n=361)			
China - Zhejiang						OHCA (n=2043)									
Taiwan - Taoyuan						OHCA (n=	10,057)								
Philippines - 7 Cities									OHCA (n=78	31)		OHCA (n=87)		
Vietnam - 3 Cities										OHCA (n=7	/31)				
Pakistan - Karachi									ОНС	A (n=514)		OHCA (n=267)			
India - Telangana						·					OHCA (n=2,	780)			
Lebonan - Beirut							OHCA (n=226)								
United Arab Emirates- Abu Dhabi					•			OHCA (n=913)						



Summary statistics





Basic Package Implementation (n=76,268)

Japan – Tokyo (n=25,806)

Japan – Aichi (n=13,846)

Japan – Fukuoka (n=7,445)

Japan - Ishikawa (n=2,064)

Japan - Wakayama (n=2,369)

Japan - Osaka (n=15,261)

Japan – Osaka City (n=5,402)

Korea - Daegu (n=2,426)

Korea – Gwangju (n=1,288)

Thailand – Bangkok (n=361)

Comprehensive Package Implementation (n=33,002)

Korea – Seoul (n=9,294)

Taiwan – Taipei (n=7,772)

Taiwan – Tainan (n=3,430)

Singapore (n=9,518)

Malaysia - Penang (n=765)

Malaysia - KL/KV (n=1,813)

Malaysia – Eastern (n=410)

Pre-intervention (n=82,483)

Japan – Tokyo (n=25,270)

Japan – Aichi (n=12,768)

Japan – Fukuoka (n=7,988)

Japan – Ishikawa (n=2,107)

Japan - Wakayama (n=2,301)

Japan – Osaka City (n=13,339)

Korea – Daegu (n=1,158)

Korea – Gwangju (n=547)

Korea - Seoul (n=7.990)

Taiwan – Taipei (n=3,023)

Taiwan – Tainan (n=1,1,52)

Singapore (n=3,028)

Malaysia – Penang (n=135)

Malaysia - KL/KV (n=184)

Malaysia - Eastern (n=175)

Thailand – Bangkok (n=1,318)

Sites Not Implementing DA-CPR (n=18,395)

China – Zhejiang (n=2,041)

Taiwan – Taoyuan (n=10,057)

Philippines – 2 cities (n=868)

Vietnam – 3 cities (n=731)

Pakistan – Karachi (n=781)

India – 3 cities (n=2,780)

Lebanon - Beirut (n=225)

United Arab Emirates (n=912)

Common issues during data cleaning



- Datasets for non-ePAROS countries i.e export data not re-coded according to reconciliation files
- Duplicate entries due to non-unique identifiers i.e. 2 different cases with same ID
- Logic checks not performed for certain variables
 - For example, if resuscitation attempted by EMS/private ambulance = No, then the subsequent pre-hospital variables should be N/A e.g. first arrest rhythm = N/A, time CPR started = N/A, etc
- Coding of outcomes vary between Japan, Taiwan and Korea
 - Example: If patient died in ED (oc_ed = 3), then patient status (hopstat), should be N/A or blank

Common issues during data cleaning



▶ If patient status (hopstat) = died in the hospital, CPC cannot be 1-4