

PAROS 2 Data Updates

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

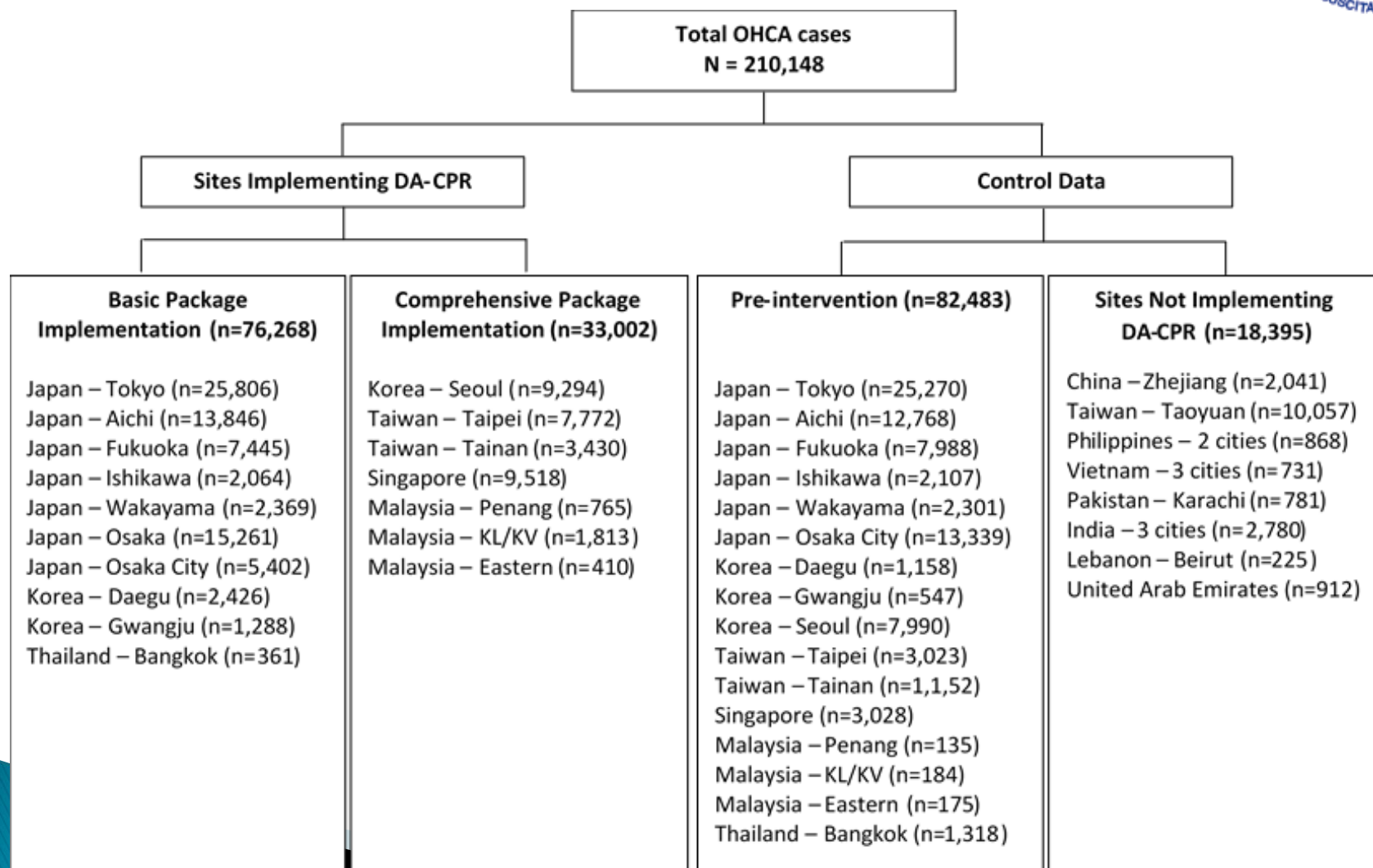


City	2009				2010				2011				2012				2013				2014				2015				2016				2017				2018			
	Pre-intervention (PAROS 1 n=25,270)																Basic (n=25,806)																							
Japan - Tokyo	Pre-intervention (PAROS 1 n=25,270)																Basic (n=25,806)																							
Japan - Aichi	Pre-intervention (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-intervention (PAROS 1 n=3,023)				Comprehensive (n=5,963)								Comprehensive = 1818											
Taiwan - Tainan																	Pre-intervention (n=1,152)				Comprehensive (n=3,430)																			
Singapore																	Pre-intervention (PAROS 1 n=3,028)				Comprehensive (n=9,518)																			
Malaysia - Penang																	Pre-intervention (PAROS 1 n=135)				Comprehensive (n=766)																			
Malaysia - Kuala Lumpur/ Klang Valley																	Pre-intervention (PAROS 1 n=184)				Comprehensive (n=1,035)								Comprehensive (n=779)											
Malaysia - Eastern																	Pre-intervention (n=1,035)				Comprehensive (n=410)																			
Thailand - Bangkok																	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=781)								OHCA (n=87)															
Vietnam - 3 Cities																	OHCA (n=731)																							
Pakistan - Karachi																	OHCA (n=514)								OHCA (n=267)															
India - Telangana																	OHCA (n=2,780)																							
Lebanon - Beirut																	OHCA (n=226)																							
United Arab Emirates- Abu Dhabi																	OHCA (n=913)																							



PAROS2 data contribution

Summary statistics



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

