



# **Resuscitation Academy (RA) 10-Step Implementations in the PAROS Group**

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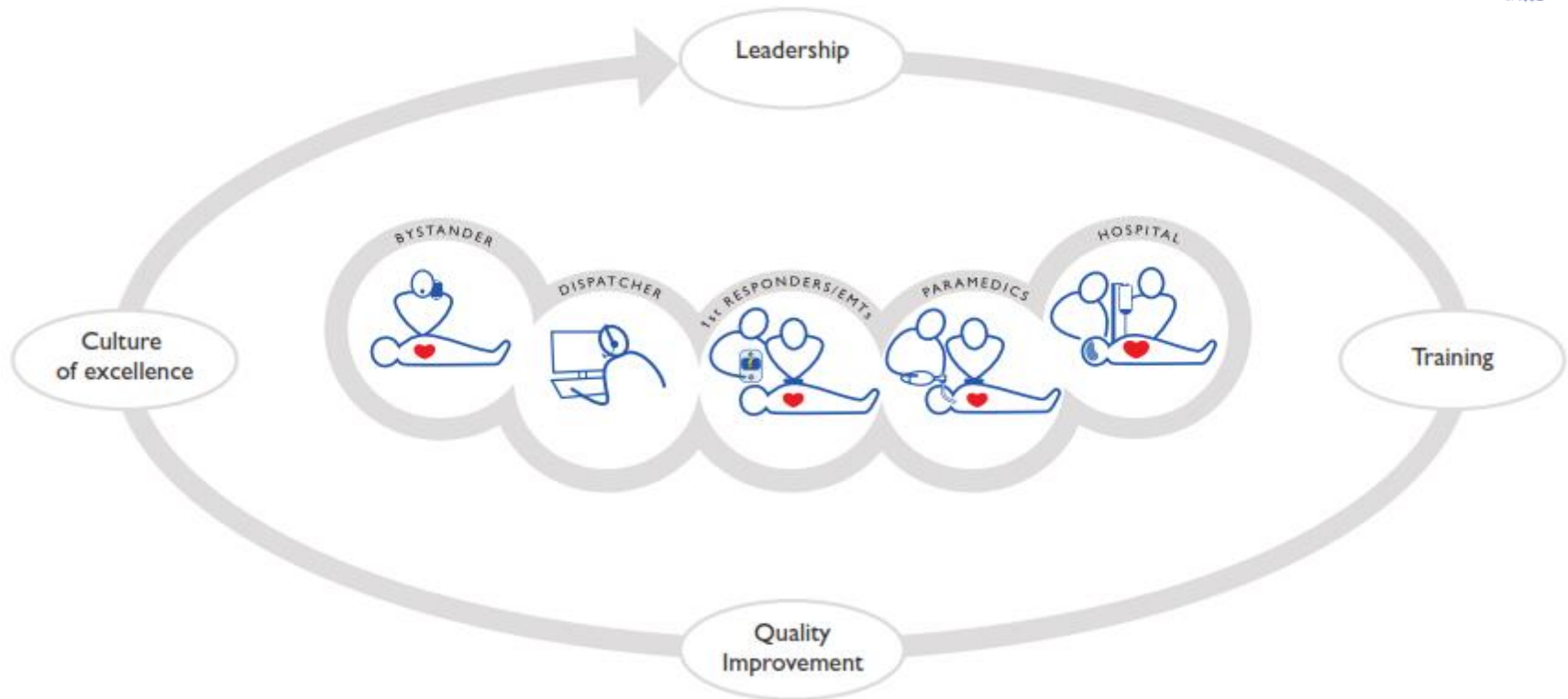
# Global Resuscitation Alliance



- A global network which focuses on collaborating to catalyse improvement to survival
- Implement best practices to increase survival from sudden cardiac arrest
- Help educate EMS leaders about best practices and provide tools to help improve survival in their communities
- Target of increasing survival rates by 50 percent.

# The Enhanced Chain of Survival

(adapted from the report: A call to Establish a Global Resuscitation Alliance)



- Leadership, Training, Quality Improvement & Culture of Excellence frame, surround, and embed the core links of care – **Frame of Survival**
- Together the chain of survival and frame of survival nurture, sustain, and define a high-quality EMS system.

# Resuscitation Academy Model to Improve Community Survival Rates



10 Programs & 10 Actions to operationalize scientific understanding

## **PROGRAMS**

Cardiac arrest registry  
Telephone CPR  
High Performance EMS CPR  
Rapid Dispatch  
Measurement of professional rescuer resuscitation  
AED program for first responders  
Smart technologies for CPR & AED  
Mandatory CPR-AED Training  
Hospital care  
Culture of Excellence

**Improve  
Cardiac Arrest  
Survival**

## **ACTIONS**

Form a team  
Select program(s)  
Plan an implementation strategy  
Set specific goals  
Achieve buy-in  
Establish standards  
Pilot the program  
Consult experts  
Communicate progress  
Support, advocate, and celebrate



Appendix A- Resuscitation Academy's 10-Step Recommendations in PAROS Participating Countries

	Singapore	Korea	Japan	Taiwan	Thailand	Malaysia	India	China	Indonesia	Philippines	Vietnam	Pakistan	Abu Dhabi	Qatar	UAE-Dubai
Establish a cardiac arrest registry	Green	Green	Green	Green	Yellow	Yellow	Green	Green	Yellow	Yellow	Green	Green	Green	Green	Green
Telephone CPR with ongoing training and QI ( <i>dispatcher workshop, refresher course, review of calls</i> )	Green	Green	Green	Green	Green	Green	Green	Yellow	Red	Yellow	Red	Yellow	Green	Green	Green
Rapid dispatch ( <i>dispatch within 1 min upon receipt of call for critical events</i> )	Green	Green	Green	Green	Green	Yellow	Yellow	Green	Yellow	Yellow	Yellow	Red	Green	Green	Green
Begin high-performance EMS CPR ( <i>correct speed, depth, hand position, minimal interruptions</i> ) with ongoing training and QI ( <i>download CPR data from defibrillator for review</i> )	Yellow	Yellow	Red	Green	Green	Yellow	Green	Green	Yellow	Yellow	Yellow	Yellow	Yellow	Green	Yellow
Measure professional resuscitation using the defibrillator recording ( <i>download of CPR data from defibrillator including voice recording to evaluate resuscitation processes</i> )	Yellow	Yellow	Green	Green	Red	Red	Yellow	Red	Red	Yellow	Red	Red	Yellow	Green	Yellow
AED program for first responders such as police officers, security personnel, etc.	Green	Green	Red	Green	Yellow	Red	Yellow	Red	Yellow	Yellow	Yellow	Red	Green	Yellow	Yellow

	Singapore	Korea	<u>Japan</u>	Taiwan	<u>Thailand</u>	<u>Malaysia</u>	<u>India</u>	<u>China</u>	Indonesia	<u>Philippines</u>	Vietnam	Pakistan	Abu Dhabi	Qatar	UAE-Dubai
Use smart technologies (e.g. smartphone app, text messages) to notify volunteer bystanders of nearby arrests for rapid CPR and defibrillation	Green	Green	Yellow	Yellow	Yellow	Red	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Red	Yellow
Make CPR and AED training mandatory in schools and the community	Green	Green	Green	Green	Yellow	Yellow	Yellow	Red	Yellow	Yellow	Yellow	Red	Yellow	Red	Yellow
Work toward accountability – submit annual reports to the community	Yellow	Green	Green	Yellow	Yellow	Red	Red	Red	Red	Yellow	Red	Red	Green	Yellow	Yellow
Work toward culture of excellence (establishment of protocols for EMTs, dispatchers, etc., medical supervision, evidence-based practice, on-going education and training, on-going quality improvement, etc.)	Yellow	Yellow	Yellow	Green	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Green	Green	Yellow

\*The implementation plans are different for each PAROS participating site in Malaysia

- Already implemented
- Plans to implement
- Currently not able to implement



## **Project Title:**

Resuscitation Academy (RA) 10-Step Implementations in the Pan-Asian Resuscitation Outcomes Study (PAROS) group

## **Hypothesis:**

We hypothesize that the implementation of RA's 10-step recommendations for OHCA will increase survival rate in PAROS participating countries.



# Countries awarded the grant and their choice of RA 10-steps implementation.

Country	Choice of RA 10-Steps Implementation									
	1	2	3	4	5	6	7	8	9	10
China	√	√	√	√		√			√	
Malaysia	√	√	√	√				√		
India	√	√	√		√		√		√	√
Pakistan	√	√	√				√			
Vietnam	√	√								
Philippines	√	√	√	√	√					