



Introduction to the Global Resuscitation Alliance

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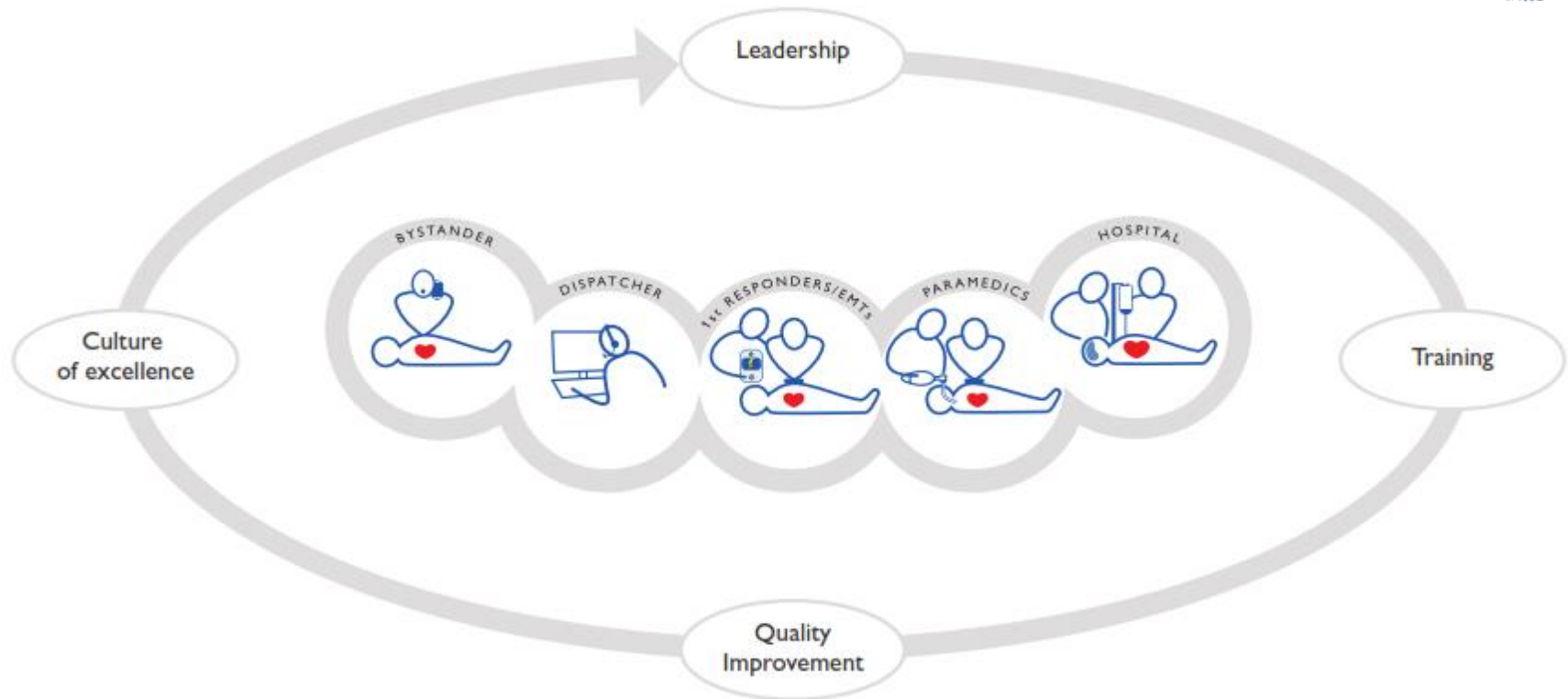
Global Resuscitation Alliance



- 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

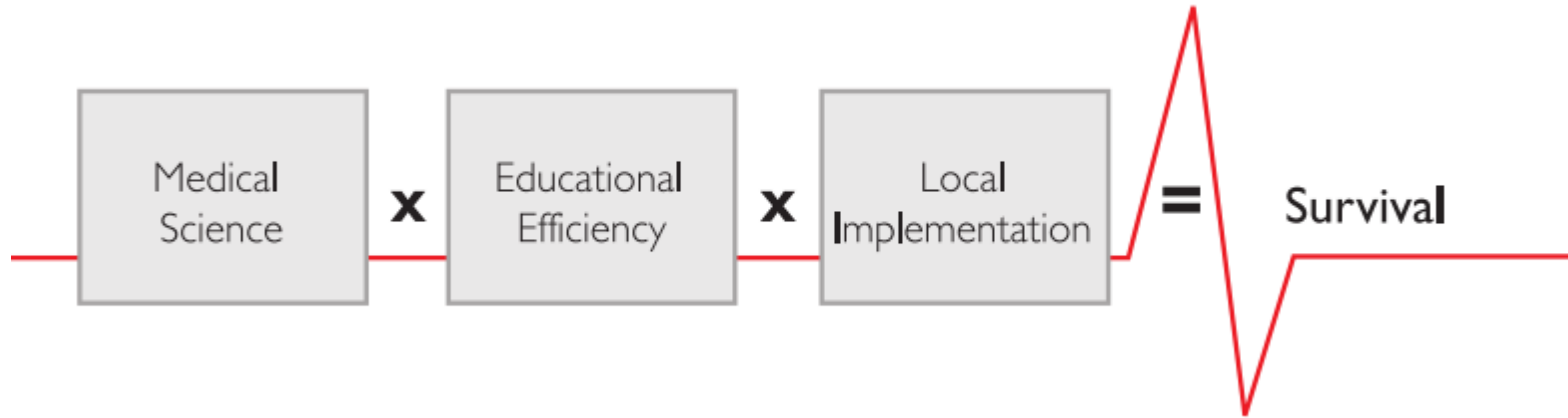
(adapted from the report: A call to Establish a Global Resuscitation Alliance)



- 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.

Utstein Formula for Survival

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



- Importance of the Frame of Survival also reflect in the Utstein Formula for Survival
- Chances of survival are determined by the efficiency (quality) of the education and the local implementation

Resuscitation Academy Model to Improve Community Survival Rates

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



Ten Steps to Improve Cardiac Arrest Survival

1. Establish a cardiac arrest registry
2. Begin Telephone-CPR with ongoing training and QI
3. Begin high-performance EMS CPR with ongoing training and QI
4. Begin rapid dispatch
5. Measure professional resuscitation using the defibrillator recording (and voice if possible)
6. Begin an AED program for first responders, including police officers, guards, and other security personnel.
7. Use smart technologies to extend CPR and public access defibrillation programs to notify volunteer bystanders who can respond to nearby arrest to provide early CPR and defibrillation
8. Make CPR and AED training mandatory in schools and the community
9. Work toward accountability – submit annual reports to the community
10. Work toward a culture of excellence



Actions for Successful Implementation of Resuscitation Programs

1. Select program or programs to implement
2. Form a team or advisory board
3. Determine how to make it happen in your community
4. Set specific goals
5. Achieve buy-in from agency personnel
6. Establish performance standards
7. Consider a pilot program
8. Communicate progress within the agency
9. Communicate with the public and EMS personnel
10. Support, Advocate, 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	Green	Green	Yellow	Green	Yellow	Green	Green	Green	Green	Green	Green
Telephone CPR with ongoing training and QI (dispatcher workshop, refresher course, review of calls)	Green	Green	Green	Green	Yellow	Green	Red	Red	Red	Yellow	Red	Yellow	Green	Green	Green
Rapid dispatch (dispatch within 1 min upon receipt of call for critical events)	Green	Green	Green	Green	Yellow	Green	Yellow	Green	Yellow	Yellow	Yellow	Red	Green	Green	Green
Begin high-performance EMS CPR (correct speed, depth, hand position, minimal interruptions) with ongoing training and QI (download CPR data from defibrillator for review)	Yellow	Yellow	Yellow	Green	Yellow	Green	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Green	Yellow
Measure professional resuscitation using the defibrillator recording (download of CPR data from defibrillator including voice recording to evaluate resuscitation processes)	Yellow	Yellow	Yellow	Green	Red	Yellow	Red	Red	Red	Red	Red	Red	Yellow	Green	Yellow
AED program for first responders such as police officers, security personnel, etc.	Green	Green	Green	Green	Yellow	Green	Yellow	Yellow	Yellow	Yellow	Yellow	Red	Green	Yellow	Yellow

	Singapore	Korea	Japan	Taiwan	Thailand	Malaysia	India	China	Indonesia	Philippines	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	Green	Yellow	Yellow	Yellow	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	Green	Yellow	Yellow	Yellow	Yellow	Yellow	Red	Yellow	Red	Yellow
Work toward accountability – submit annual reports to the community	Yellow	Green	Green	Yellow	Red	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	Green	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

Summary



Programs

- Cardiac arrest registry
- Telephone CPR
- High performance CPR
- Rapid dispatch
- Measurement of professional resuscitation
- AED program for first responders
- Smart technologies for CPR and AED
- Mandatory training for CPR and AED
- Accountability
- Culture of excellence

Improved
Survival

Actions

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