

# PAROS EXCO MEETING

## Malaysia Update

Davao, Phillipines

17 Jun 2018

# Malaysia

- Data collection by ED staff working full time
- Not able to use Research Assistant
- Prehospital care records in many sites not centralized therefore there maybe problems in tracing data
- Still actively recruiting more sites to enter data into PAROS
- 2018 – Malaysia will collectively gather data from all sites to be entered into PAROS website as a whole
- Training on high performance CPR start in 2016, done at national level to different regions, 2017 covered Sarawak

# GRA 10 steps

## **GRA 10-Steps**

- 1. Cardiac arrest registry**
- 2. Telephone CPR**
- 3. High Performance EMS CPR**
- 4. Rapid Dispatch**
- 5. Measurement of professional resuscitation using defibrillator**
- 6. First responder AED program**
- 7. Smart technologies for CPR/AED**
- 8. Mandatory training for CPR/AED**
- 9. Accountability**
- 10. Culture of Excellence**

# PAROS GRA – Implementation plan/progress

Step	Implementation
1. Establish a cardiac arrest registry	Method of gathering data started as pilot project in Penang for IHCA. Research grant by MOH – IHCA research over 6 months in 2018, once compiled to be spread to other tertiary centres. Compilation of information into a registry format discussed with MOH but no funds available yet. Further work being looked at by MOH with CRC to use non paying platforms.
2. Begin Telephone-CPR with ongoing training and QI	T-CPR is already implemented nationwide using the EMD protocol. Since February 2017, all MECC MD agree to perform QI for T-CPR
3. Begin high-performance EMS CPR with ongoing training and QI	Since 2016, we have been doing a day course on HP-EMS CPR open to all PHCS responders. About 200 responders/year have been trained. In 2017 – training spread to fire personnel and to Sarawak. QI measurements ongoing since end of 2017.
4. Begin rapid dispatch	Implemented and monitored centrally, state and individual MECC. Monitoring by indirect method of summation of the response time.

# PAROS GRA – Implementation plan/progress

Step	Implementation
5. Measurement of professional resuscitation using defibrillator	2017 – MOH start to distribute 16 ALS ambulances, budget plan for nationwide 250 ambulances May 2018 – Penang state got 12 ALS ambulances ALS ambulances have defibrillator equipped with feedback and portable ventilator

# PAROS GRA – Implementation plan/progress

Step	Implementation
<p>6. Begin an AED program for first responders, including police officers, guards, and other security personnel</p>	<p>2017 - succeeded in getting corporate sector to start their AED programme and training. The first is the MRT train service in Kuala Lumpur.</p> <p>2015 - Penang has Penang Heart Save program, 10 public AEDs government funded with training to various ERTs include security guards, police personnel.</p> <p>Individual implementation in 8 schools</p> <p>2017 Penang Science Cluster – Penang science fair booth – trained 1311 participants of all ages, program for schools</p> <p>2017 - Corporate sector: Funicular Railway installed AED in their stations.</p> <p>2018 - in process of procuring &amp; implementing for Penang State Fire Dept – 10 fire stations with EMRS teams – one AED per team. Training done for 500 personnel on basic CPR &amp; AED, 50 personnel on HP CPR.</p> <p>2018 – place an AED in main Penang police station then in discussion for personnel training</p>

# PAROS GRA – Implementation plan/progress

Step	Implementation
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	Penang has begun using Good SamApp. Dec 2017 – 5 activations In 2018 – 58 activations till 7 Jun 2018
8. Make CPR and AED training mandatory in schools and the community	Early implementation phase. Penang having discussions for collaboration between state level health and education ministries – had trained education ministry staff (50 pax) and want to train 1-2 teachers of all state owned schools (TOT) next year before roll out to schools. Current on going training to individual schools Training to police started 11/10/17 -90 personnel University Science Malaysia – 14/4/18 – 600+ trained Perak has been doing ongoing CPR training to schools and community – 676 persons trained over 2017 Pahang done community CPR training -297 persons trained

# PAROS GRA – Implementation plan/progress

Step	Implementation
9. Accountability	PHC KPIs – dispatch time and response times monitored by MOH centrally
10. Culture of excellence	In EMS – concentrate on HP CPR implementation



UNIMAS, SARAWAK  
Mass CPR - 5 Oct 2017  
8188 participants

<http://www.theborneopost.com/2017/10/05/unimas-creates-record-for-number-of-cpr-participants/>



Kadim (fifth right) receives a certificate of Malaysia Book of Records from Nurasyikin, while Dr Annuar (fifth left) and others look on.

KOTA SAMARAHAN: University Sarawak Malaysia (Unimas) broke the Malaysia Book of Records for organising a mass cardiopulmonary resuscitation (CPR) event held at Dewan Tunku Abdul Rahman Putra (DeTAR Putra) with 8,188 participants, recently.

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9 December 2017



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