THE LINK

Issue 1 / February 2023

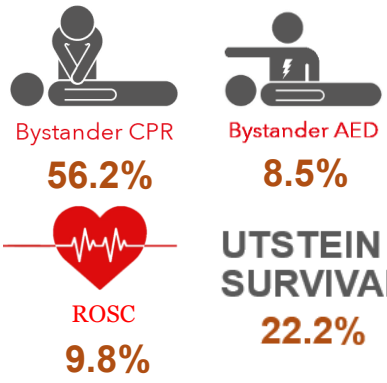
MEET THE CHAIRPERSON, PROF MARCUS ONG

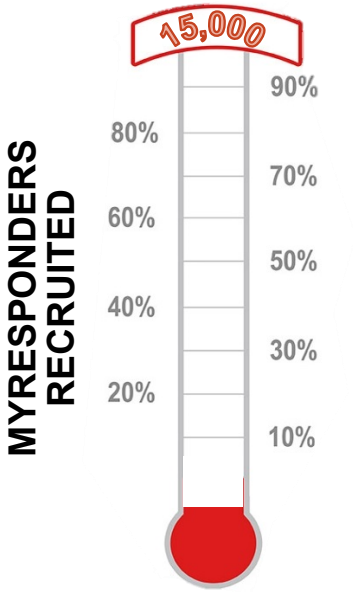
In 2015, we started with Phase I of the Dispatcher Assisted first Responder (DARE) Hero 6 study, where the 1st generation of CPRcards were introduced and distributed to 17,000 laypersons. We learnt that coaching was needed in order to achieve the correct compression depth and that some volunteers were still hesitant to do CPR due to fear of harming the victim. In Phase II, through the use of TCPRLink technology, the EMS call-taker/coordinator will be able to be at the scene virtually with the MyResponder.

The aim of this Phase II is to equip 15,000 MyResponder volunteers with the 2nd generation of CPRcards, where its Bluetooth capability would link the CPRcard to the TCPRLink app and the EMS call centre (995) to improve bystander CPR quality and the teamwork between the responder and the medical dispatcher on the line.

This exciting new technology has the potential to empower our volunteer responders and enable teamwork between My Responders and the 995 call center. We hope to see improvements in the bystander CPR quality, pre-hospital ROSC and ultimately an increase in the number of healthier OHCA survivors.

SINGAPORE OHCA DATA 2020





WORKGROUP UPDATES

Development of Technology

- To review the requirements for compatibility for TCPRLink to MyResponder app version 2.0, in addition to the linking process.
- To resolve the MOU between SCDF and MOH.

Training & Equipping MyResponder Volunteers

- Main responsibilities with timeline include recruiting, obtaining consent from (Feb-Mar) and equipping the MyResponders (Apr) with the 2nd generation of CPRcard, administering e-Learning (Apr), ensuring MyResponders are fully prepared (Apr), sustaining engagement (Mar) with MyResponders and involve in the major launch event (Aug).

Training & Implementation within SCDF

- Timeline includes drafting of protocol for TCPRLink call-taking by mid-Feb, test run the protocol by late Feb, training of MyResponde coordinators and call-takers in Q2 and rolling out by Q3.
- Simulation work with Kate and Marzie in end Feb.

Research, Protocols, Data and Analysis

- Timeline includes developing research proposal within 2 months.
- Two arms clinical trial with randomization involved: (1) Control group: CPRcard feedback only; (2) Intervention group: Teamwork between CPRcard + TCPRLink app + Coaching from MyResponder coordinator.

UPCOMING EVENTS / MEETINGS

Thursday – Friday, 23rd & 24th February

Laerdal-SAFER Visit to Singapore

- 23rd Feb Training & Implementation Workshop at SCDF Ops Centre with the workgroup
- 24th Feb Simulation Workshop at SGH with UPEC Team

Wednesday, 1st March

Research, Protocols, Data & Analysis WG Meeting
14:00-15:00 SG / 07:00-08:00 Stavanger
Zoom

Friday, 3rd March

UPEC-VCPD Meeting
10:30-11:30 SG
Zoom

Steering Committee Monthly Meeting
16:00-17:00 SG / 09:00-10:00 Stavanger
Zoom

Wednesday, 8th March

Training & Equipping MyResponders WG Meeting
15:00-16:00 SG / 08:00-09:00 Stavanger
Zoom

Monday, 20th March

Training & Implementation within SCDF WG Meeting
15:00-16:00 SG / 08:00-09:00 Stavanger
Zoom

"Unity is strength: When there is teamwork & collaboration, wonderful things can be achieved." – Mattie Stepanek

Keen to contribute content? Contact Us!

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FINAL WORDS FROM THE CO- CHAIRPERSON, MR HELGE MYKLEBUST

I first experienced the leading role of Singapore and PAROS when Tonje and I attended a Telephone CPR workshop in 2013, hosted by Prof Marcus Ong and Dr Ben Bobrow. We met EMS leaders from across Asia, and our contribution was Tele-CPR team simulation and small group discussions. Since then, Singapore had demonstrated significant improvements in bystander CPR and survival, thanks to the systematic training and QI in the dispatch centre, paired with community training initiatives and DARE. MyResponder volunteers have strengthened the chain of survival further with more CPR/AED use before EMS arrival. With this positive development in mind, Prof Marcus and I talked about new possibilities with technology and teamwork. Since all MyResponders have smartphones, we saw a potential with video streaming to SCDF and connecting the CPRCard to the video stream and let technology become an enabler of better teamwork on CPR quality. This technology and teamwork bundle may improve compression depth and rate and avoid unnecessary interruptions, factors which are all important for patients' survival. I am grateful to Microsoft who gave us early access to their communication technology and to SAFER who helped run a large number of simulation cases as part of system development past couple of years. With development mostly behind us, we now look forward to support implementation in Singapore. TCPRLink is a unique solution, project and partnership made possible because we believe in the importance of high performance CPR – even before EMS arrives.