Using Technology to Crowdsource First Responders

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Community CPR and AED is key to survival
This is the power of crowdsourcing!
Social Media in EMS

How You Can Help?

**FIRST RESPONDERS**

1. **In 2-4 minutes**
   - YOU will arrive at scene.

2. **In 8 minutes**
   - Fire Bike will arrive at scene.

3. **In 11 minutes**
   - Ambulance will arrive at scene.

**Survival by 4-times**

- At 0 Minutes
  - Caller calls 995.

- Activates SCDF Fire Bike, Ambulance, YOU & other responders within 400m of the incident scene.

995 Emergency Hotline

myResponder

SCDF
The Life Saving Force
Dashboard

Registered Responders: 44150

Responses to Cases: 24420

Cases in Jun: 187

Public Education | Publications | E-services
Sending GPS location to 995 for automatic Geolocation

Alert
Call 995?

Yes  No

Call 995?

Your location will be sent to better facilitate rescue.

Cancel  Call

Thank you for your submission.
For more feedback, please send email to
r-aedi@scdf.gov.sg
GPS location – battery efficiency is key!
Multiple levels of AED resolution
AED availability, appearance and Fault Reporting
Information flows into our Public Access Defibrillation Registry
Registration and Verification of Responder Identity

Inclusion of SMS OTP as a sign-up option

For SMS OTP, enter particulars

Verify the SMS OTP

Ensure Notifications are turned ON
We are not worried - because we know where you live.... and we know how to call you!
Alerting Responders

Notification of Progress

Responder Credentials
Data Collection

• Caller Accepting the Case
• Caller Arriving at scene
• Performing CPR
• Using AED
• Arriving before Ambulance Crew
• Feedback
Alerted

15/<Total>
Accepted
What is the optimal distance for successful activation?
myResponder Update

Lives saved: 15
ROSC: 82
Total Arrived: 2,257
Total Accepted: 5,167
Cases Created: 17,634
Registered CFRs: 39,070
myResponder App Installs: 109,538

*as of end Jan 2019
Community Roadshows to educate public and recruit volunteers

- CPR Challenge
- myResponder booth
- Find the nearest AED lucky draw
- Kids’ Activity Corner
1st success

• Nurse educator working at Balestier HMI
• Responded to a case of an ‘unconscious person’
• Performed CPR for 10 minutes and mouth to mouth
• The victim is now back at work 6 weeks after his cardiac arrest
AED On Wheels
Automated External Defibrillators installed on 100 SMRT taxis

The initiative is part of a three-year pilot programme called SMRT-Temasek Cares AED on Wheels, which aims to increase the availability of AEDs within the community.


SMRT taxi driver Simon Ngiam Shu Leng with the AED which will be installed in his taxi. (Photo: SMRT)
REMINDER!!!
MYRESPONDER EVENT

DATE: THURSDAY, 26TH MAY 2016
TIME: 7PM - 9PM (REGISTRATION STARTS FROM 6.15PM)
VENUE: THE TREETOP @ SCAPE (LEVEL 5)
2 ORCHARD LINK, SINGAPORE 237978

FOR THOSE WHO DRIVE....
- LIMITED CAR PARK LOTS AT SCAPE
- TAKE THE LIFT NEXT TO THE CAR PARK ENTRANCE AND GO STRAIGHT UP TO THE TREETOP AT LEVEL 5
- ALTERNATIVE CARPARK: OPEN AIR CAR PARK NEXT TO SOMERSET 313
Is an AED drone possible?
Prototype in Progress

- Autonomous flight
- Schiller Fred Easyport AED
- Airspace Clearance
- Integration with mobile app
Bystander CPR, AED usage rates and OHCA survival 2011-2016 in Singapore

CPR: 2.5x ↑  
AED: 2.6x ↑  
Utstein 2.0x ↑
Summary

• App Development is not a destination but a long journey

• The App MUST be designed to suit the operational workflow (not the other way around!)

• Data and Feedback is important to enhance services
Questions?

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