

# First Responder App: Pilot Project

My journey to date

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SHSCT

# The Big Issue

- 1200-1400 die annually in Northern Ireland from OHCA's
- 80% OHCA occur in the home
- CPR within 2 minutes improves chances of survival
- Defibrillation within 8 minutes improves chances of survival
- Ambulance response target time is 8 minutes
- 1 in 10 survive from Out of Hospital Cardiac Arrests (OHCA)

British heart Foundation (2015)

Northern Ireland Ambulance Service (2017)

UK Resuscitation Council (2017)

# Clinical Costs

- 2014-2015 ICU bed = **£2,155.33**
- 2015-2016 ALOS CAH = **4.87 nights**
- 2015-2016 Transfers and admissions to ICU with OHCA = **45**  
Annual cost to ICU = **£484,949.25**

- 2014-2015 Cardiology bed = **£581.45**
- 2015-2016 ALOS SHSCT = **2.07**
- 2015-2016 Transfers and admissions to Cardiology = **776**

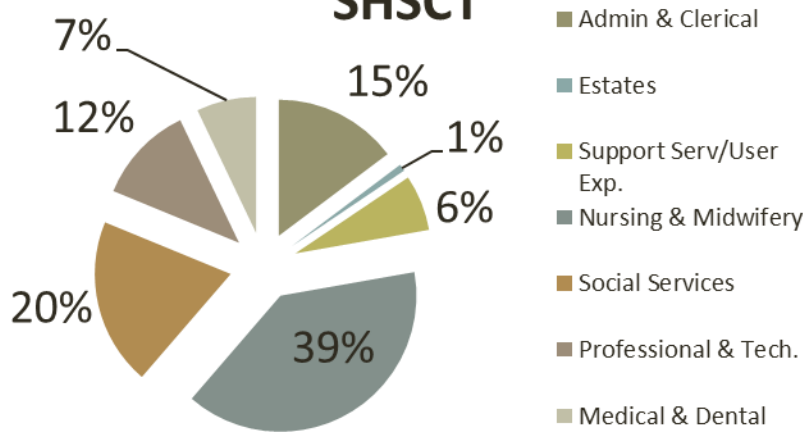
Annual cost to Cardiology = **£902, 410.40**

Directorate of Performance and Reform, Informatics Division, Information Department  
(Acute, 2016)

Acute Directorate, Financial Management (2016)

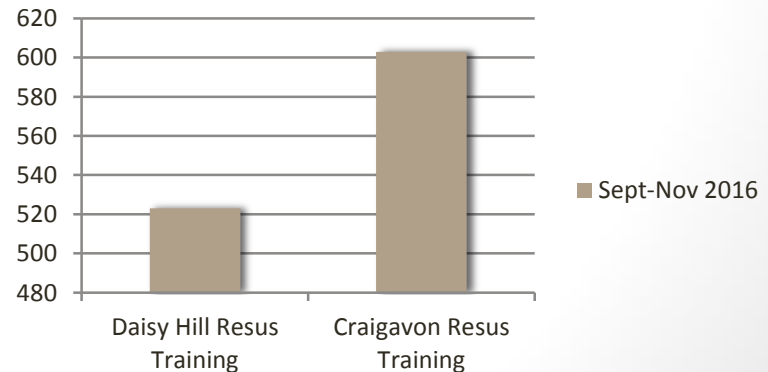
# Are WE a solution?

**Personnel Employed in SHSCT**



SHSCT, Resuscitation Officers (2017)  
 Human Resources, Workforce Information (2016)

**Number of Staff trained ALS/ILS**

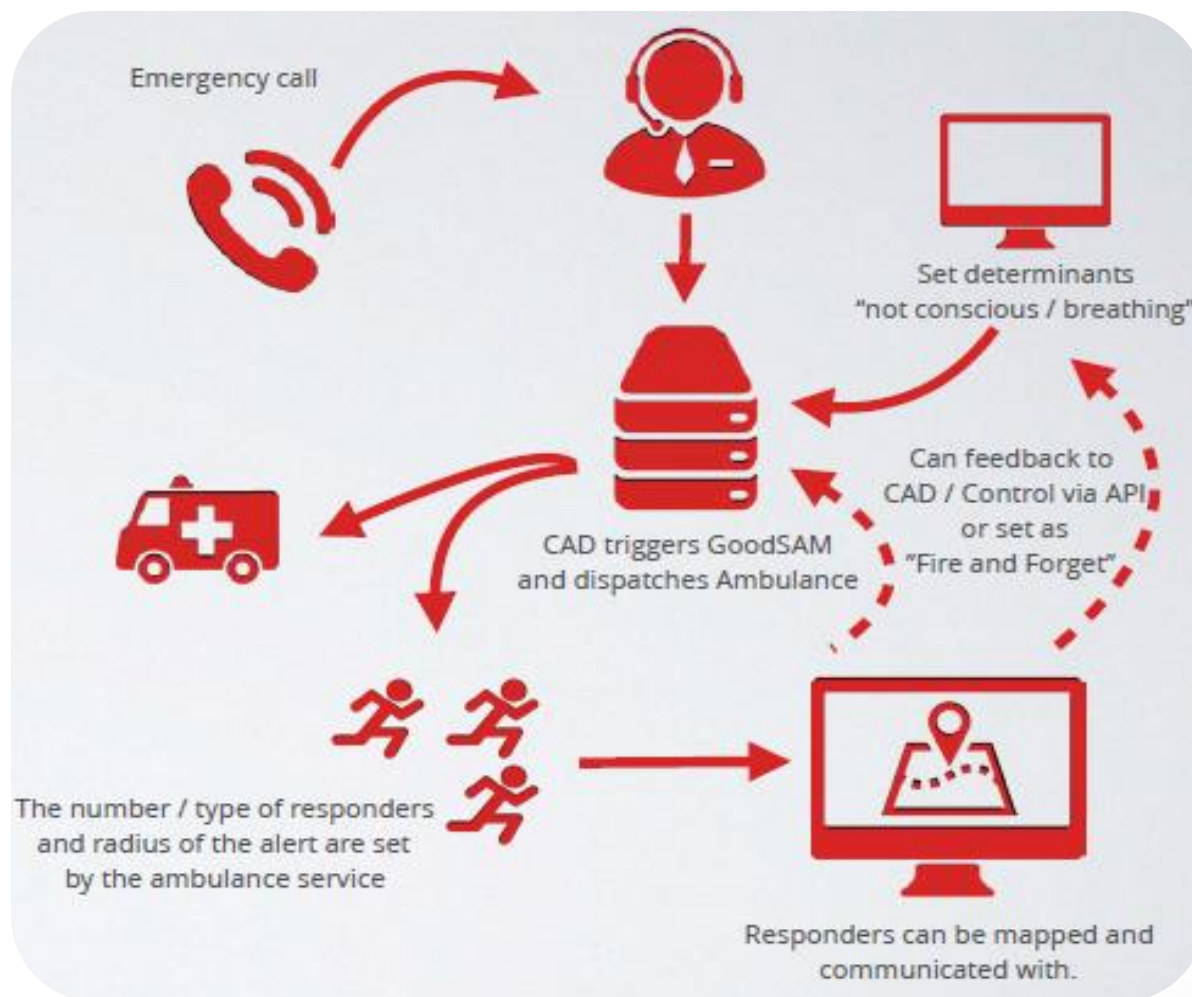


# Solutions

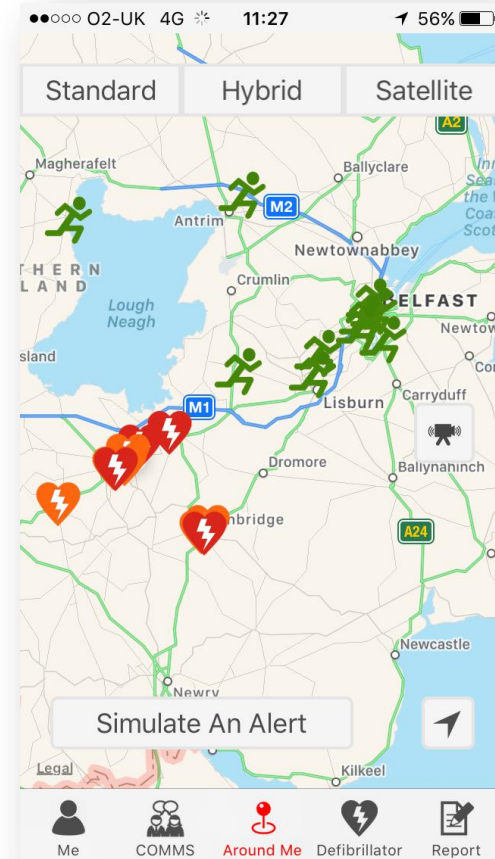
- GoodSAM (SMS Activated Medic)
  - London based App developer
  - Already available in NI
  - Willing to link with NIAS
  - Experienced in implementation
- GoodSAM is Lottery funded, Cabinet funded, non profit and is endorsed by the UK Resuscitation Council



# GoodSAM Process Flow



# GoodSAM Coverage



# Strategy

- Secure SMT support and Project funding for pilot phase
- Draw a contract with GoodSAM, SHSCT and NIAS
- Link NIAS with GoodSAM
- Recruit users at in house training opportunities (ALS/ILS/First Aid at Work) and with Key Stakeholder organisations
- Use 'Project Champions' to aid recruitment across the SHSCT – a sustainable approach
- Continued use of robust QI Processes
- With SHSCT success, create a Regional Service



# Summary

- An ongoing Social Issue
- Our Valuable highly trained Staff
- An Innovative technological approach
- Strategic thinking in implementation of pilot
- Improve pre-hospital interventions for a positive impact on patients and the Trust alike.

# Questions?

