

5.8 million population

1 National Ambulance Service

1.8 million calls for assistance each year

500,000+ '999' emergencies

70,000 immediately life threatening (Cardiac Arrest rate >1%)

6000 'OHCA' - 3000+ resuscitation attempts



41.9%

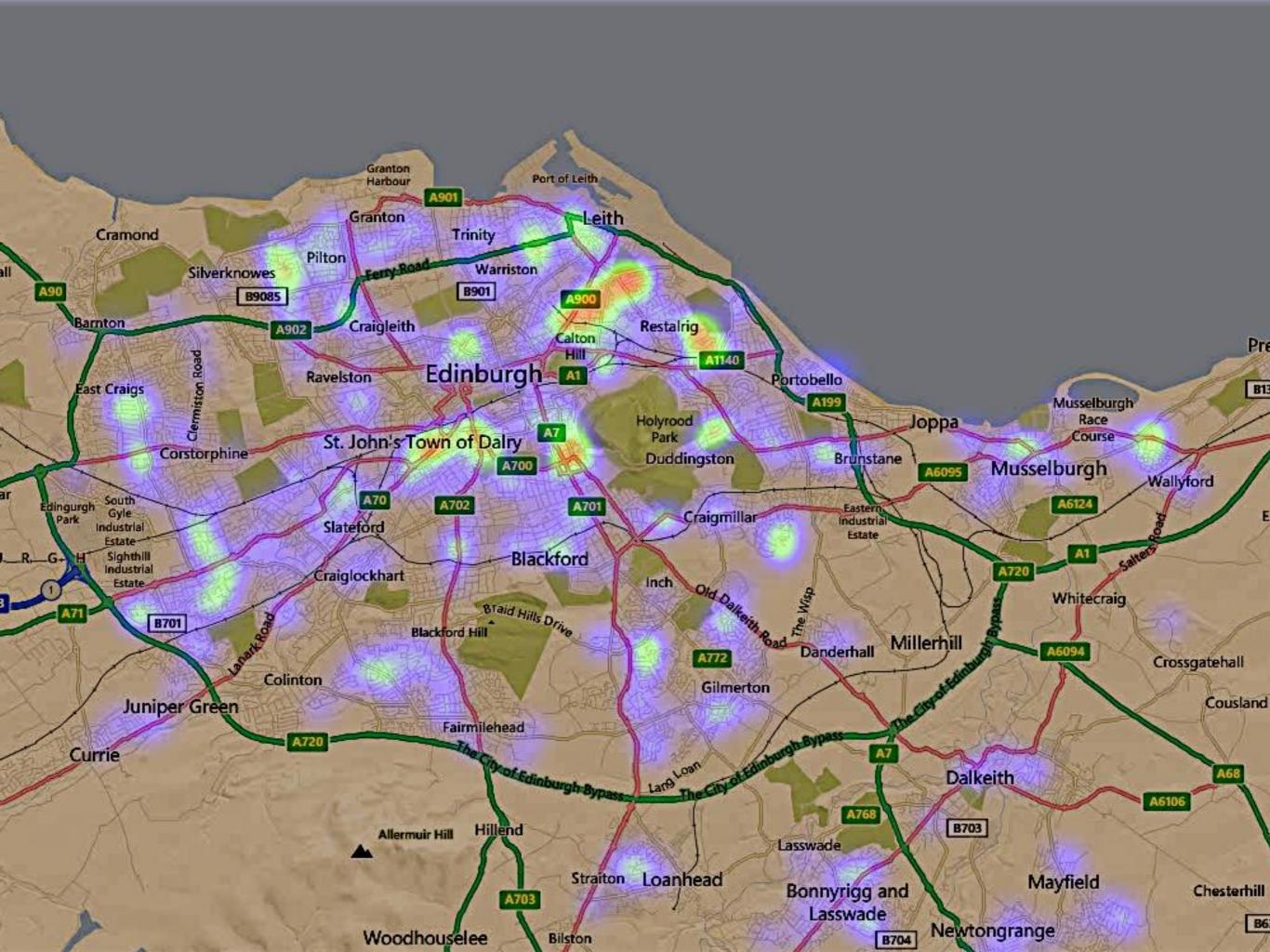
survived to hospital - ROSC

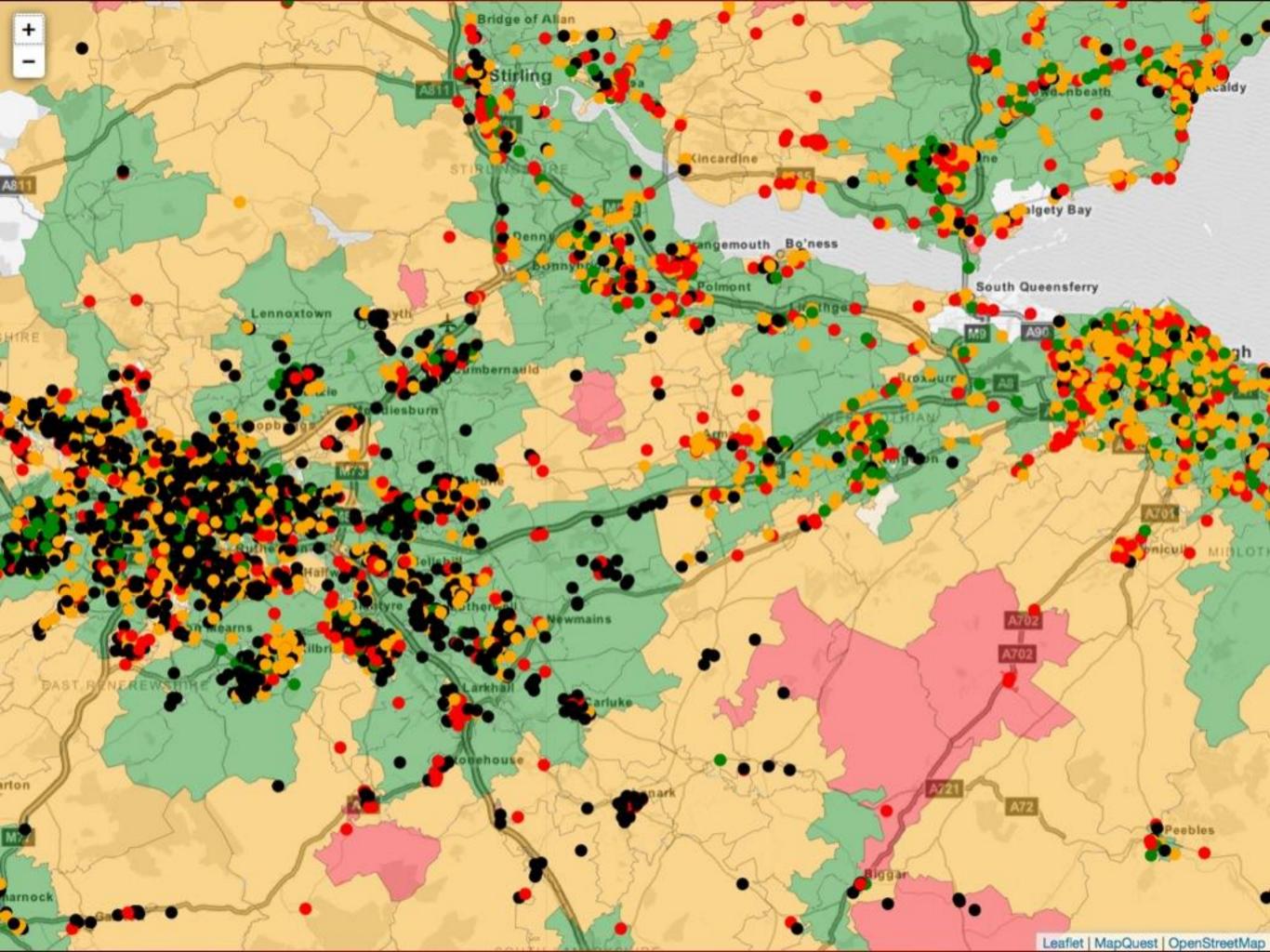
20.5%

4.8% survived to discharge

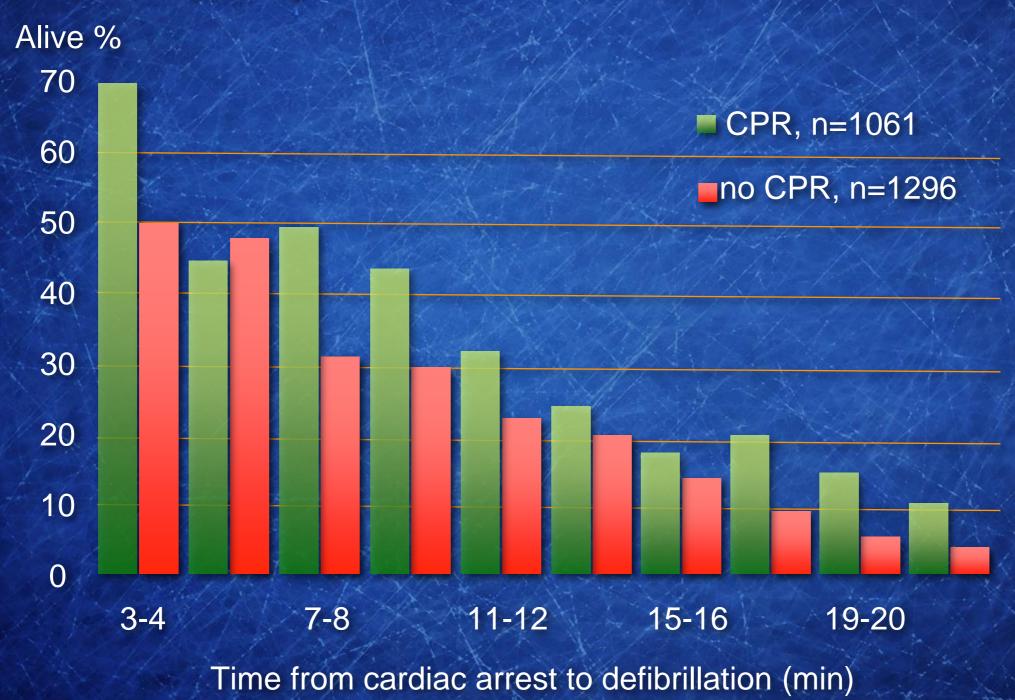
0.7%

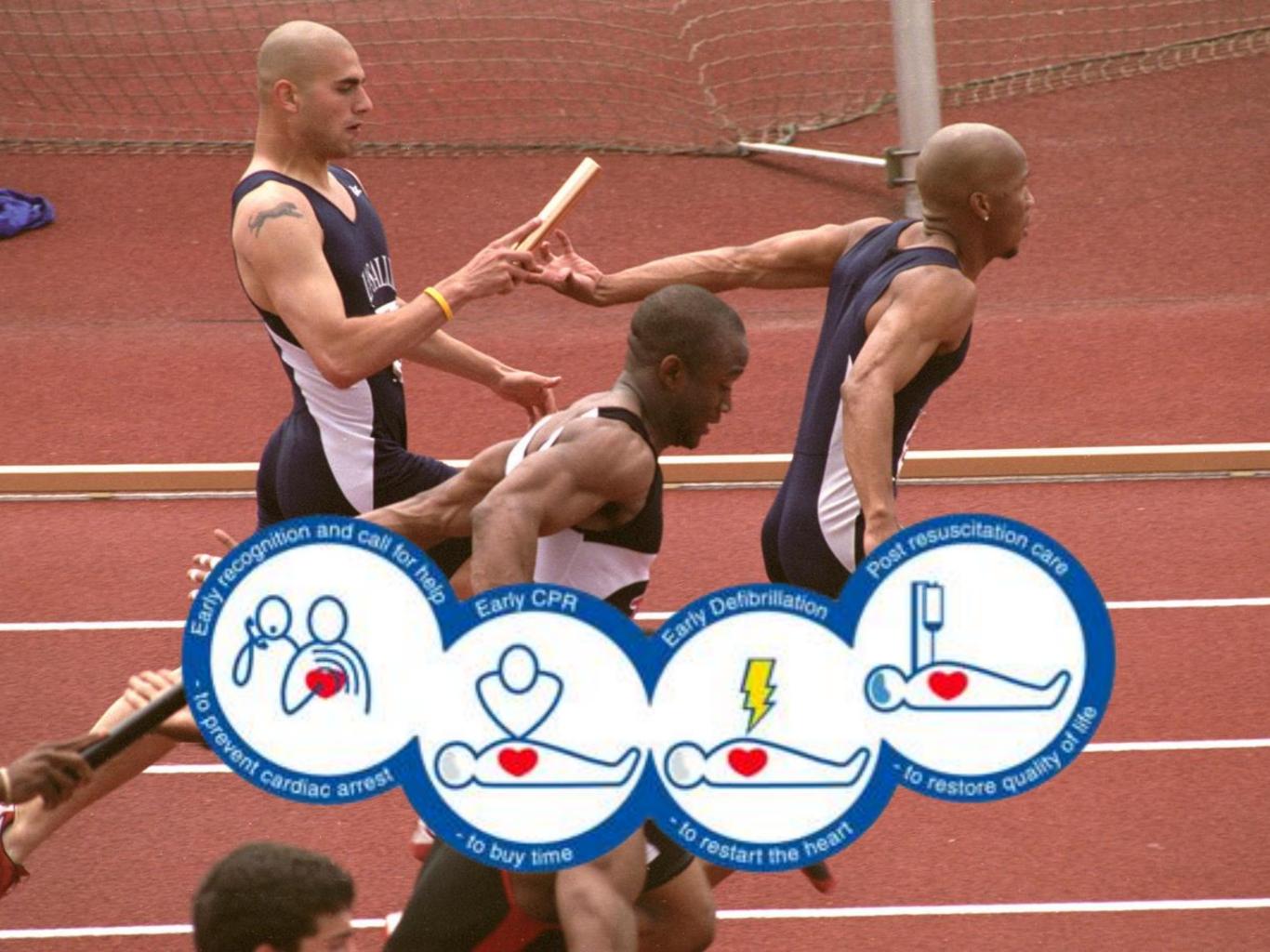
1992 1995 1998 2001 2004 2007





Probability of survival decreases rapidly with time after OHCA



























Scotland's Strategy for Out-of-Hospital Cardiac Arrest



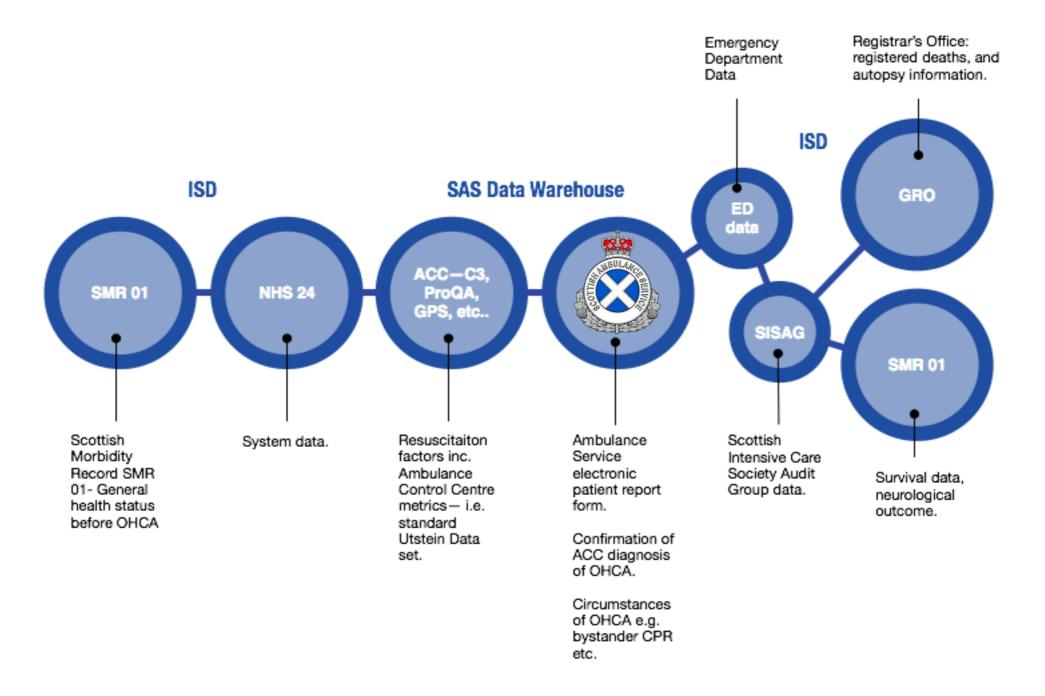


Elements of Scotland's OHCA Strategy

- Registry Development
- Safe a Life for Scotland
- Co-responding; SAS, Fire Service, Police, Volunteers
- High Performance CPR training
- 3RU roll out
- Urban vs Rural
- ACC improvement practice (ACE)

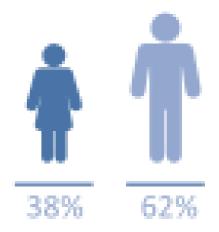
Registry Deveopment

OHCA - the patient journey

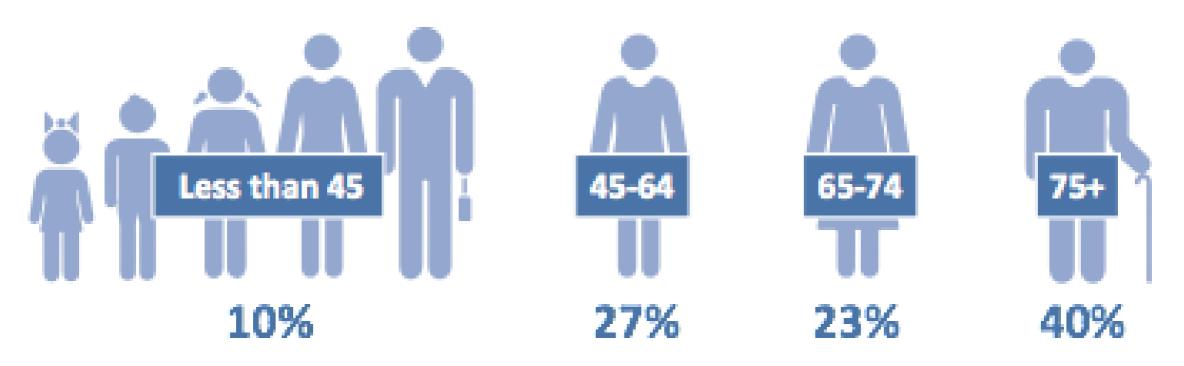


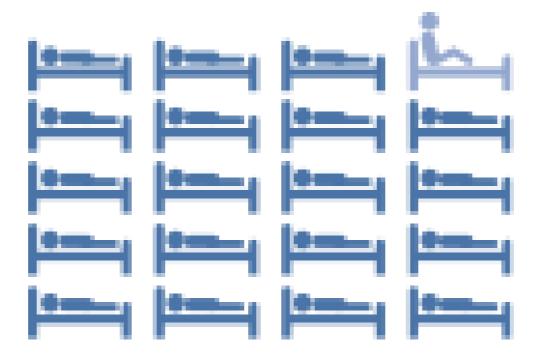
Improving Outcomes from OHCA The Starting Point

Average number of OHCA 3,000 per year



OHCA can affect people of all ages at any time



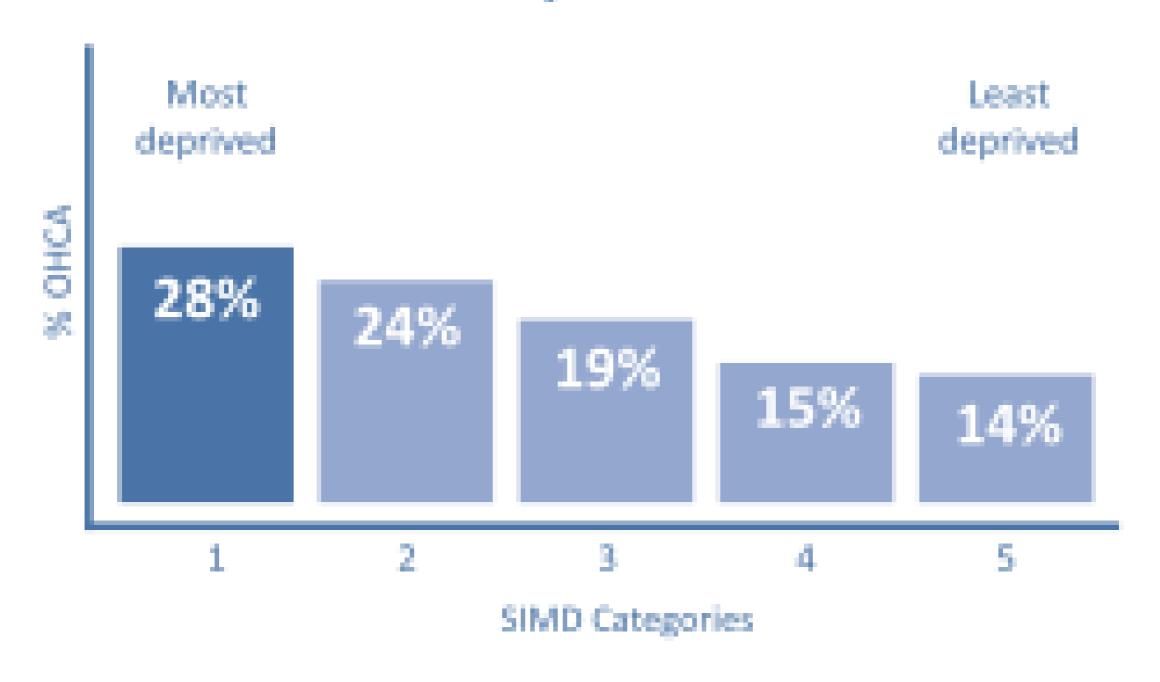


1 in 20 surivive to leave hospital

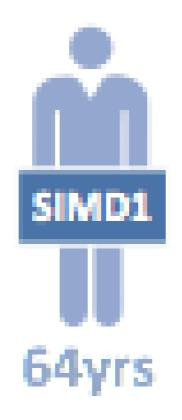


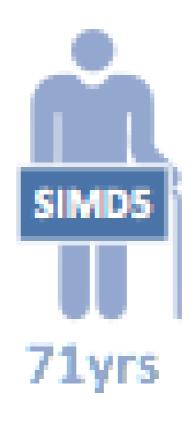
People who live in rural areas are
32% less likely to survive to leave hospital

People in the most deprived areas are **twice as likely** to have an OHCA.



The average age of the people who have an OHCA in these deprived areas is 7 years lower.





People from most deprived areas are 43% less likely to survive to leave hospital compared to those from least deprived areas



SAVE A LIFE FOR SCOTLAND

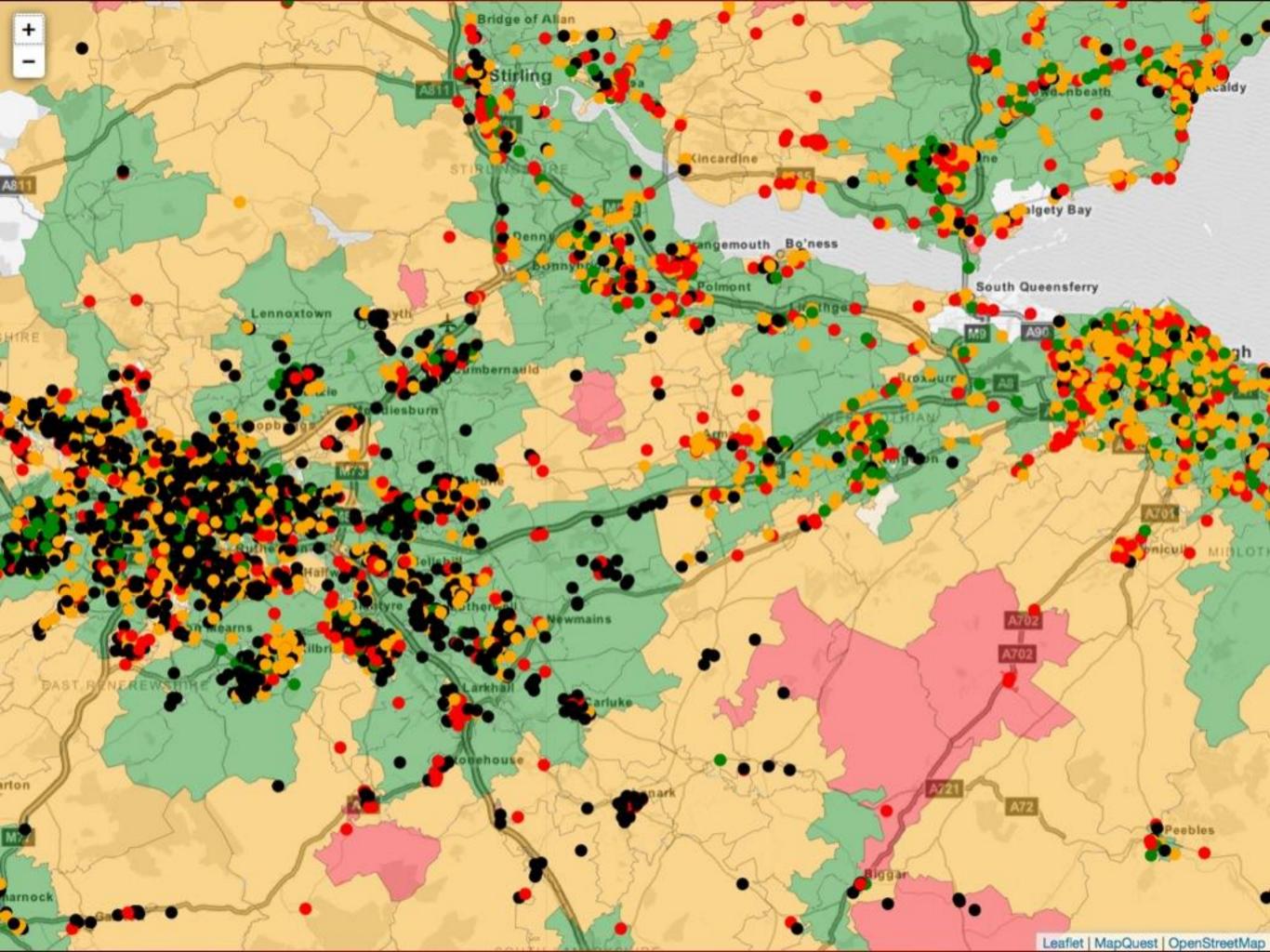
Co-Responding

- SFRS
- Police Scotland
- BASICS
- Community First Responders
- Others

High Performance CPR

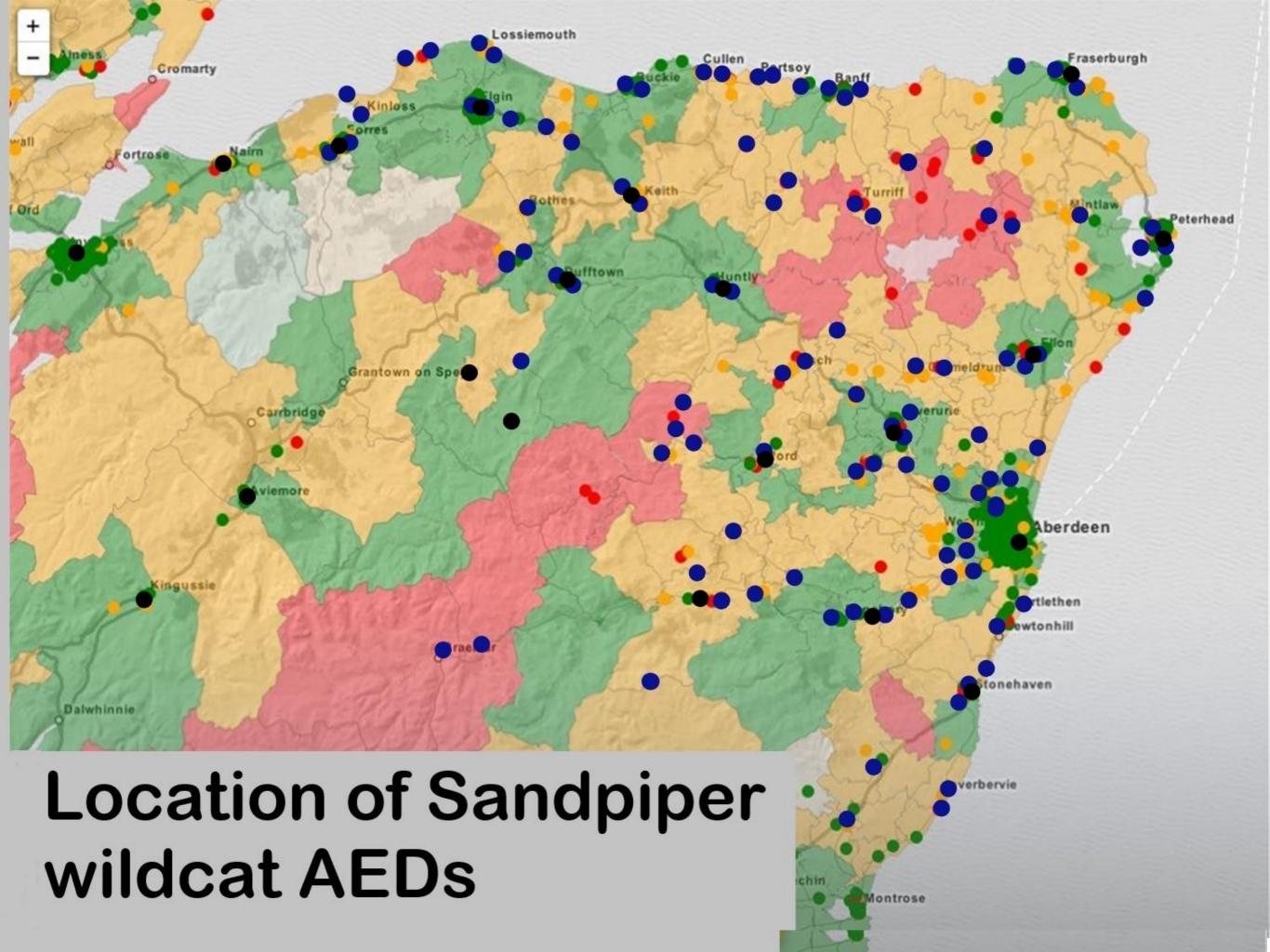
- Masterclaasses
- Feedback; verbal. written, video
- Webinars etc

3RU roll out





Rural approach - Wildcat



RESPONDER NUMBERS

Number of individuals signed up as responders = 358

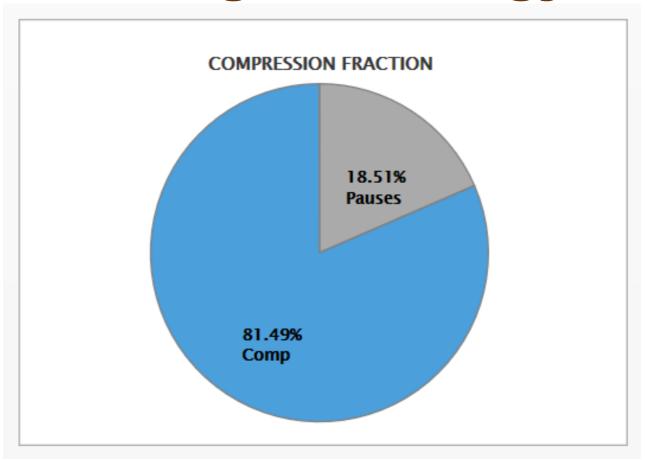
Number of Surgeries signed up to respond = 23

Sandpiper Wildcat Responses

109 INCIDENTS ATTENDED

- 53% arrived prior to the next SAS resource
- 17% arrived at the same time as the SAS resource
- 17% of calls resulted in a stand down or the responder arrived after the SAS resource

Utilising Technology



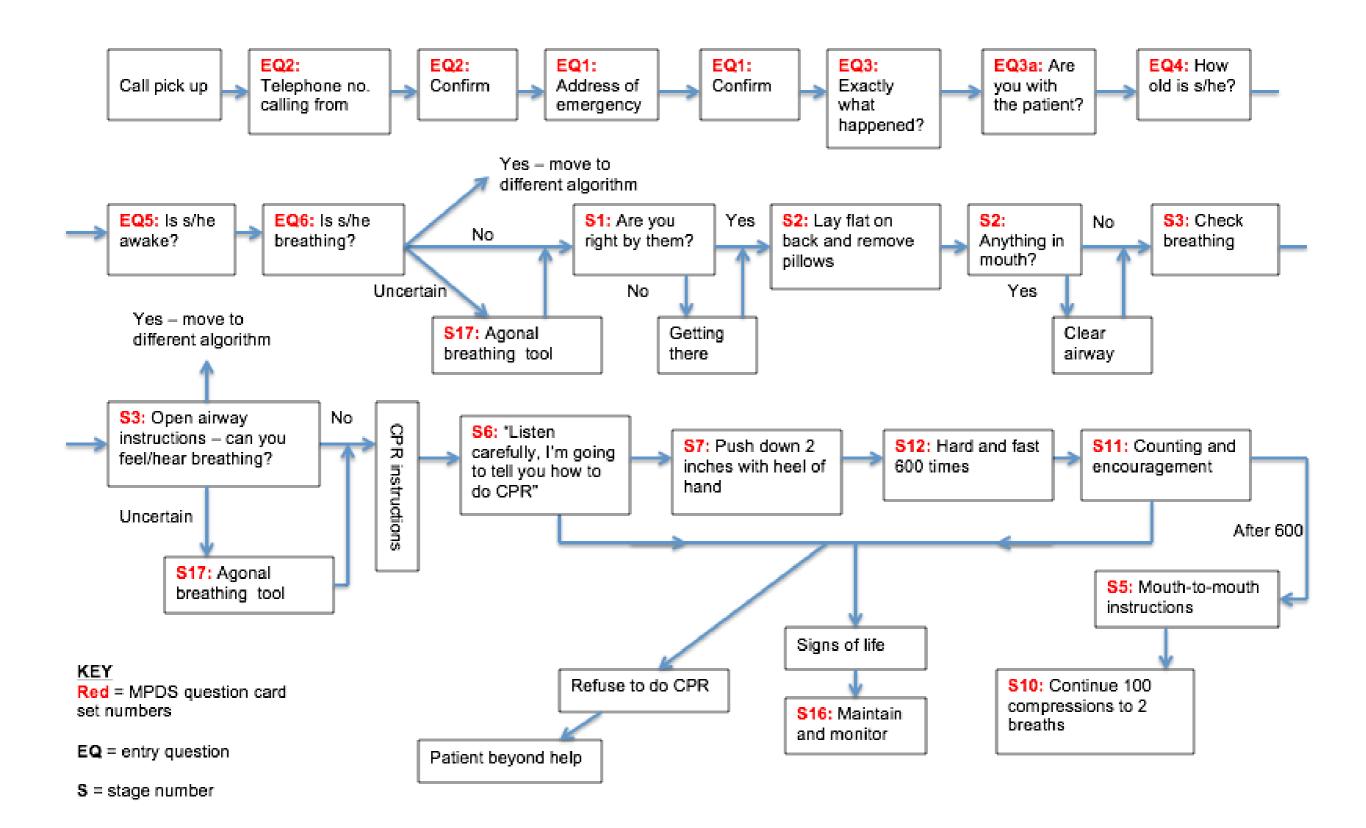


ACC

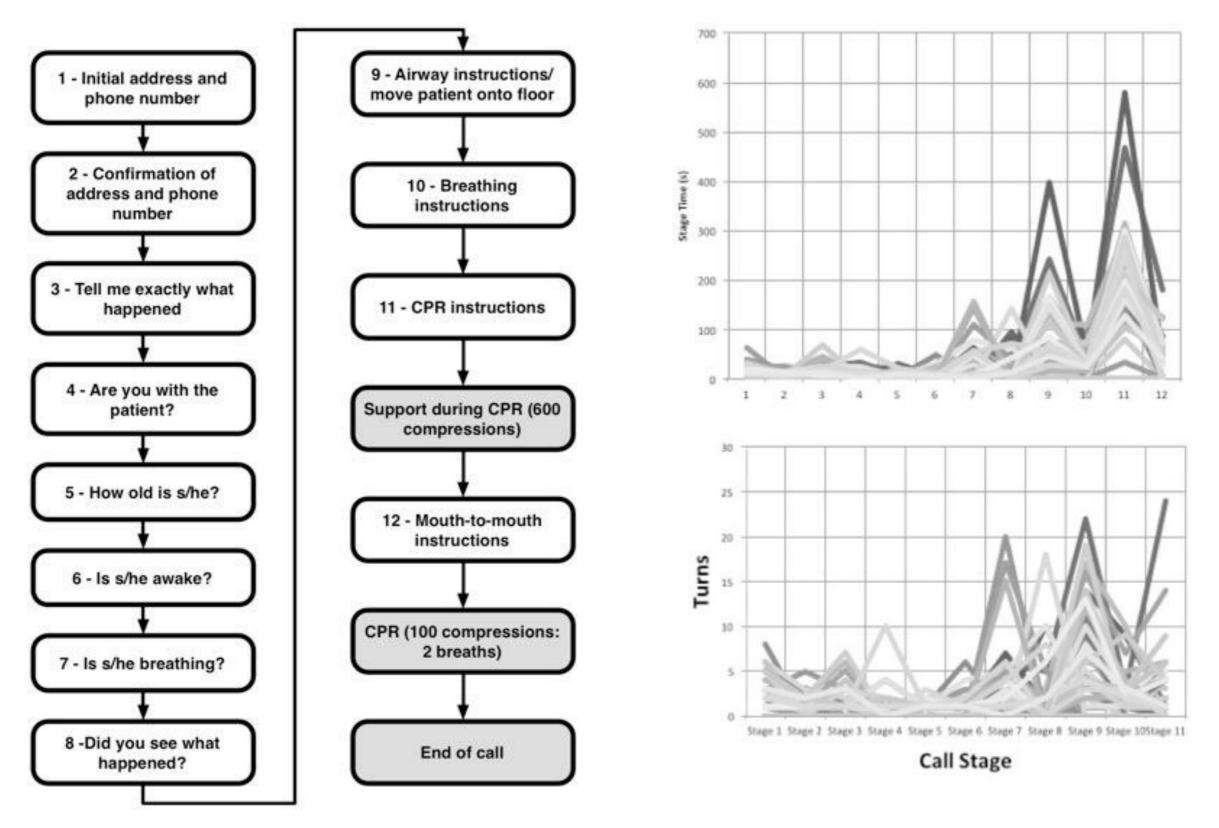
- Training and Feedback
- New Clinical response Model
- Revised DCR table
- Dispatch on Disposition

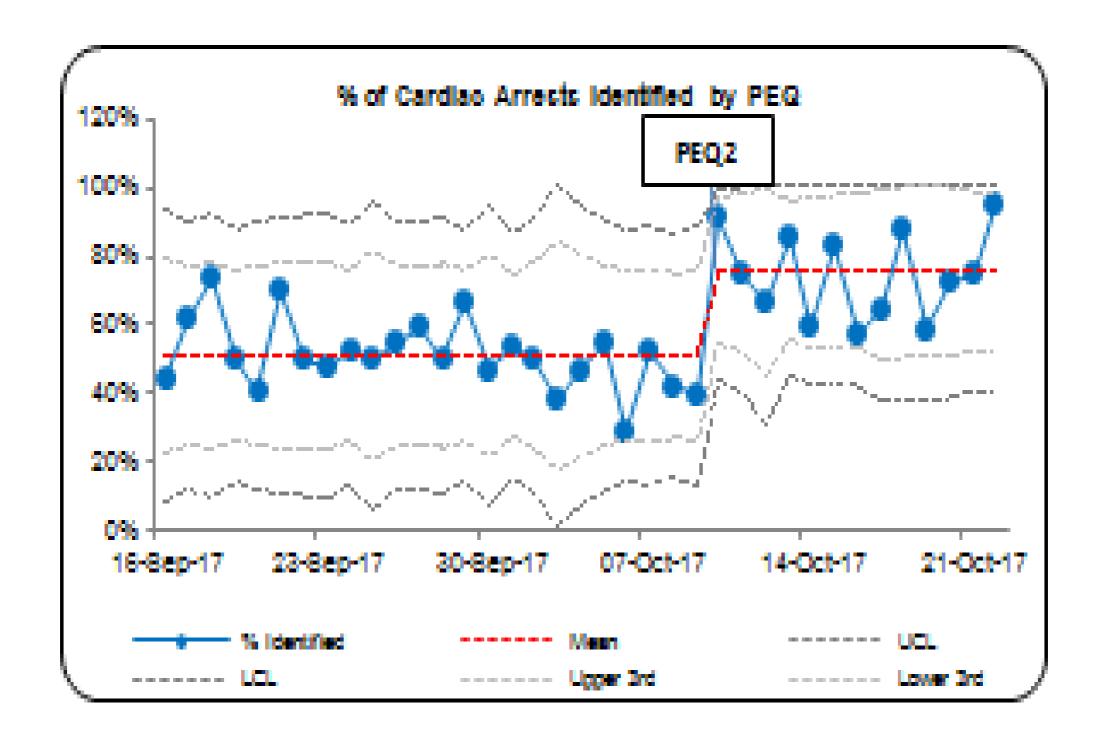


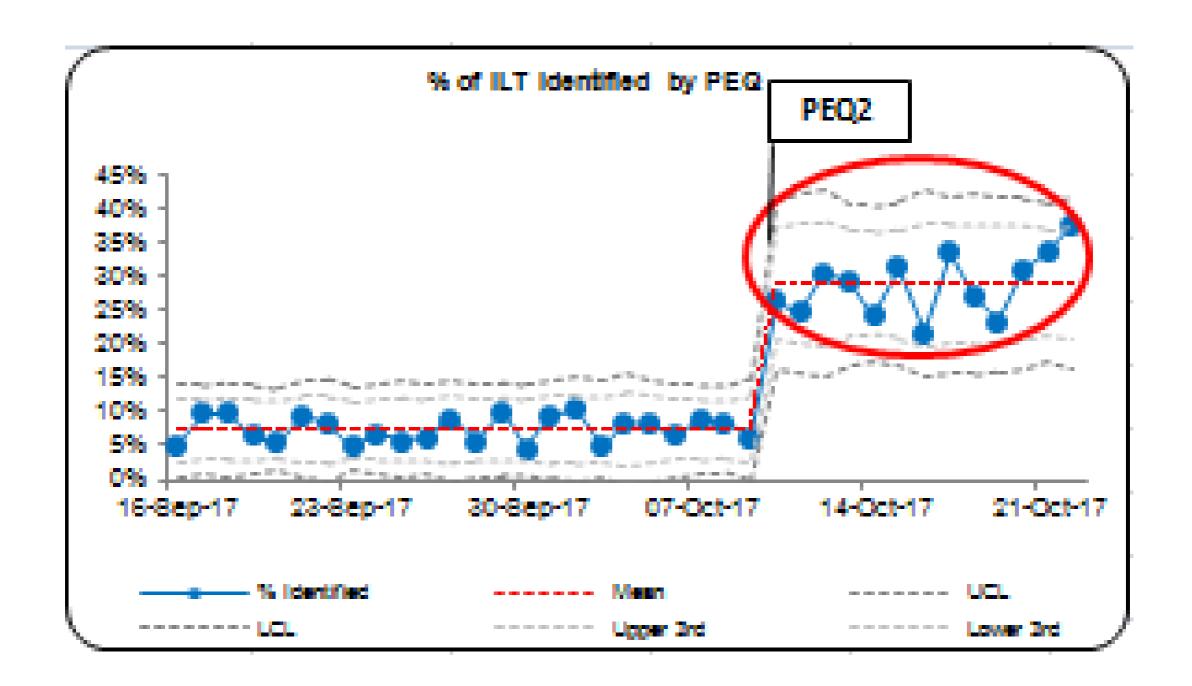
AMPDS OHCA Algorithm



Anatomy of a 999 call







ROSC Data

- ROSC All Rhythms; 23% (35%*)
- AI VF/VT ROSC: 43% (67%*)
- EMS Witnessed VF/VT; 67%

* SINCE LAUNCH OF DoD

Slainte