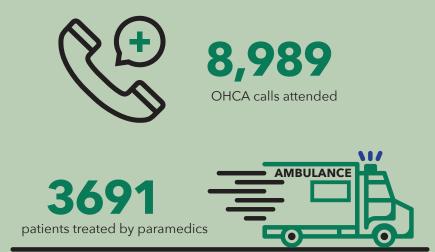
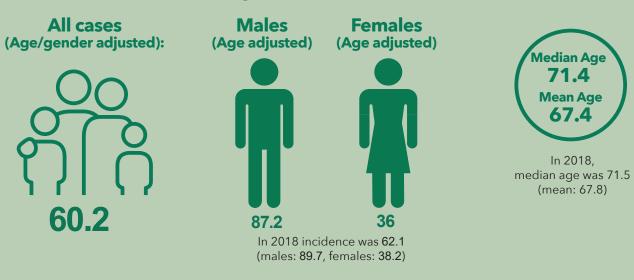
OHCAO CARDIAC ARREST OVERVIEW SWAST 2019 Demographics

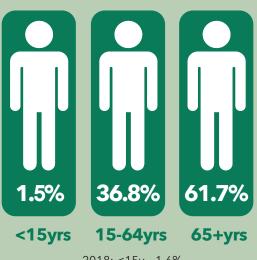


In 2018 3797 patients were treated

OHCA incidence (per 100,000)

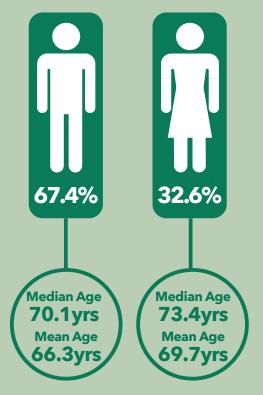


Age Distribution



2018: ≤15y - 1.6%, 15-64y - 34.4%, 65+y - 64% **Sex Distribution**

Age of cases



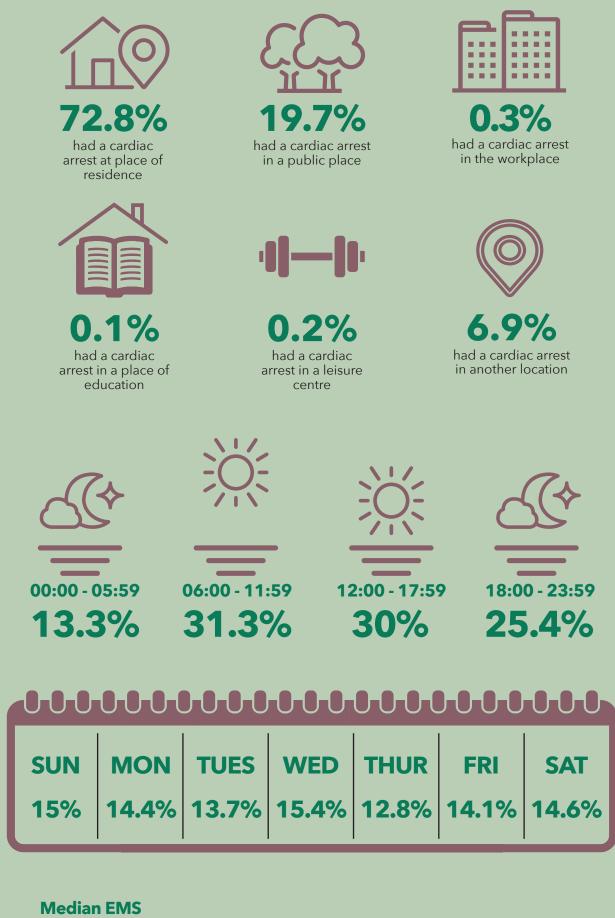




Resuscitation Council UK

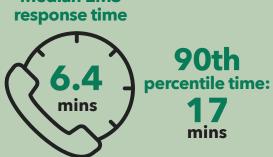


Event Details

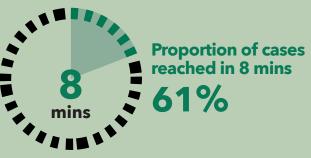


Resuscitation

Council UK



In 2018, median response time was also 6.7 mins & 90th percentile time was 17.6 mins



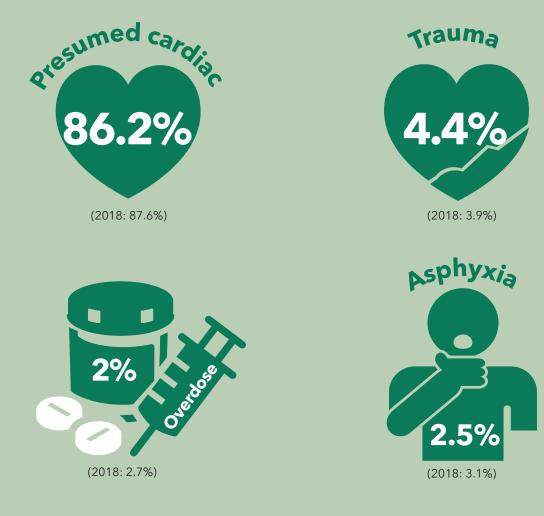
In 2018, 58.6% of cases were reached in 8 mins

NIHR Applied Research Collaboration West Midlands



Clinical Presentation

AETIOLOGY



INITIAL RHYTHM

The proportion of cases presenting with a shockable rhythm has shown a year-on-year increase VF/VT PEA 27.1% PEA 17.1% S22% S22% S218: FA-17.1%



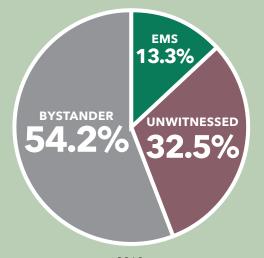






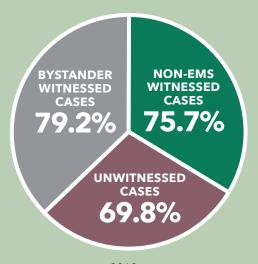
Bystander Interventions

Who witnessed cardiac arrest?



2018: Bystander - 53.9% EMS - 13% Unwitnessed - 33.1%

Bystander CPR rate:



2018: Non-EMS witnessed - 76.2% Bystander witnessed - 77.4%

Public Access Defibrillator use:





2018:





Unwitnessed - 5.1%

Bystander witnessed - 5.8%

Comments:

- Over time, the proportion of cases that were witnessed by a bystander continues to be around 51%
- Bystander CPR rate of non-EMS witnessed cases has increased over time
- Bystander CPR rate in bystander witnessed cases has also increased significantly over time
- Use of a PAD continues to increase substantially









Clinical Outcomes







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2018: 58.4%
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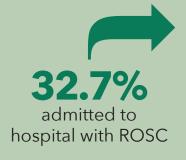
ongoing CPR

2018: CPR - 13.1%





2018: 28.5%







2018: All cases -28.5% UCG - 47.1%



28.6% Utstein comparator group*

> 2018: All cases - 9.6% UCG - 23.6%



2018: 1084



2018: 357

*Bystander witnessed, shockable rhythm

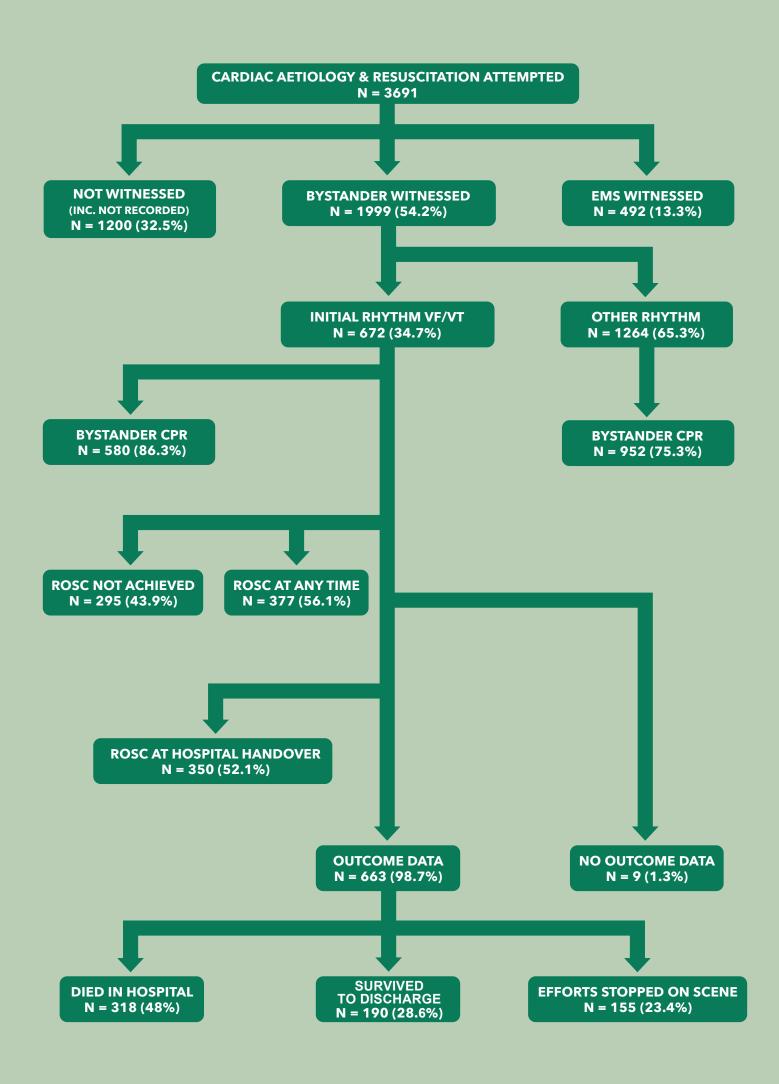








Utstein Comparator Group* Flow Chart



*Allows some adjustment for case-mix to facilitate comparisons between ambulance services in UK and rest of world





Resuscitation **Council UK**



NIHR Applied Research Collaboration West Midlands