

Out-of-Hospital Cardiac Arrest Overview: English Ambulance Services 2022*

Demographics

98,152

OHCA calls attended

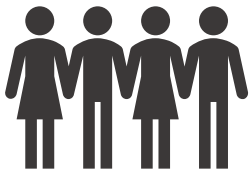


34,407

Patients treated
by ambulance
service personnel

OHCA incidence (per 100,000)

All cases
(Age/gender adjusted)



62.5

Males
(Age adjusted)



87.2

Females
(Age adjusted)



40.4

Age of patients

Median Age
69.0yrs
Mean Age
65.4yrs

Age Distribution



1.8%

<15yrs



38.9%

15-64yrs



59.3%

65+yrs

Sex Distribution

65.5%

Median Age
68.0yrs
Mean Age
64.6yrs



34.5%

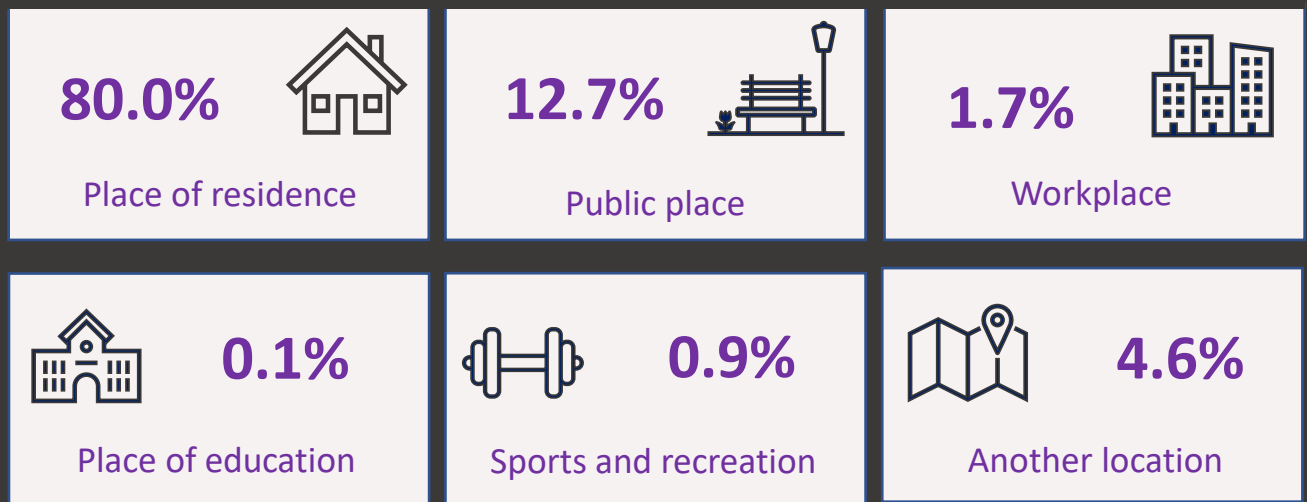


Median Age
71.0yrs
Mean Age
67.0yrs

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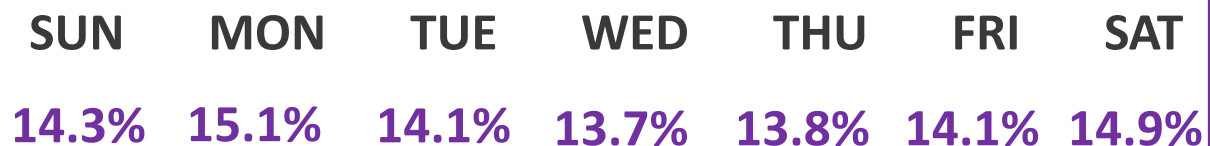
Where did people have a cardiac arrest?^



^based of 5 of 11 services

When did people have a cardiac arrest?

Time of Day

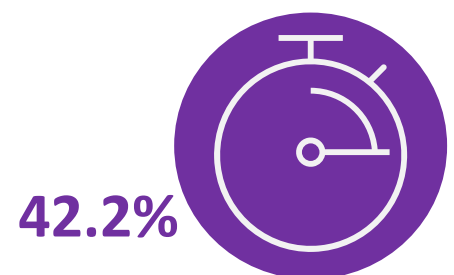


Median EMS Response time



90th
percentile time:
18.8
mins

Proportion of cases reached in 7 mins



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Aetiology

Medical/Presumed cardiac

84.4%



Trauma

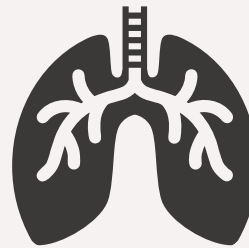
3.5%



Overdose



2.0%



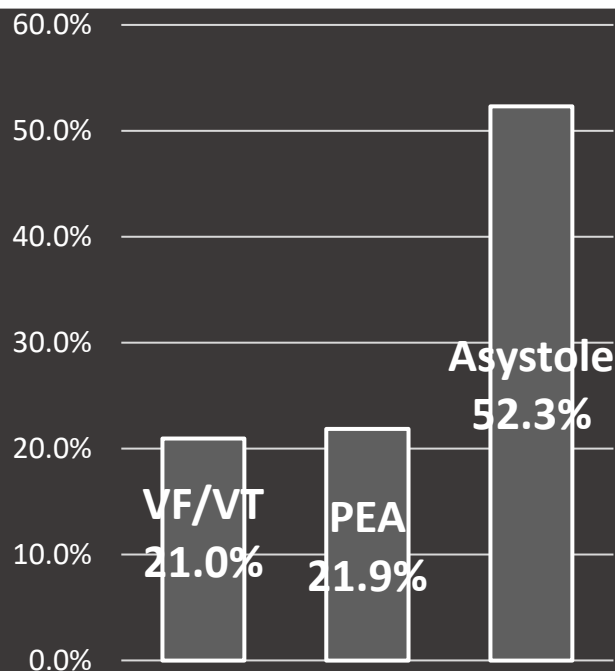
Asphyxia

3.8%

Other/missing 6.3%

Initial Rhythm

Other/missing 4.8%

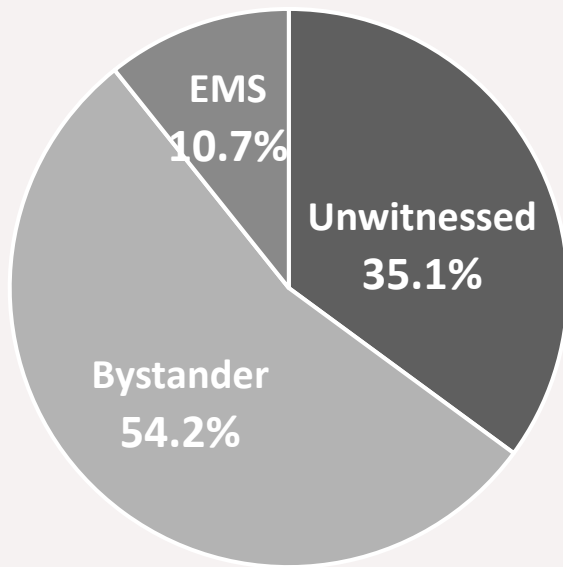


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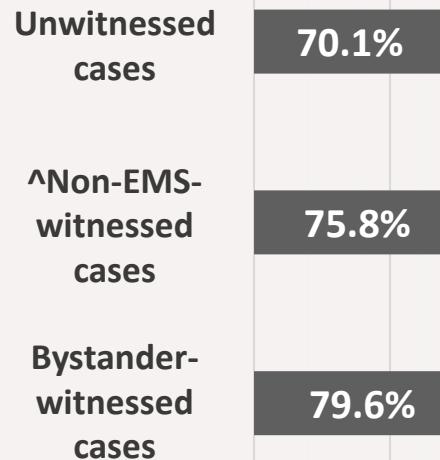
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Bystander Interventions

Who witnessed cardiac arrest?



Bystander CPR rates:



^Non-EMS-witnessed cases is the combination of unwitnessed and bystander-witnessed cases

Public Access Defibrillator use

All cases
8.5%

Bystander witnessed cases
10.6%

Unwitnessed cases
7.7%

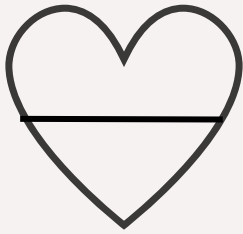


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Clinical Outcomes

Declared dead
on scene



58.3%

Admitted with
ongoing CPR



15.9%

Admitted
with ROSC



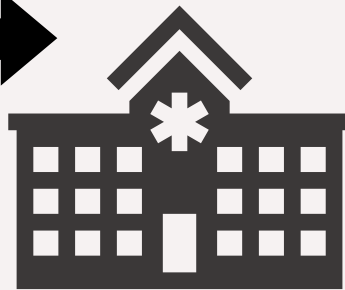
25.8%

Admitted to
hospital with
ROSC

25.8%

Utstein^x

46.0%



30-day
Survival

7.8%

Utstein^x

24.3%

Ambulance
service
personnel
successful in
restarting

8,877
hearts

2,642

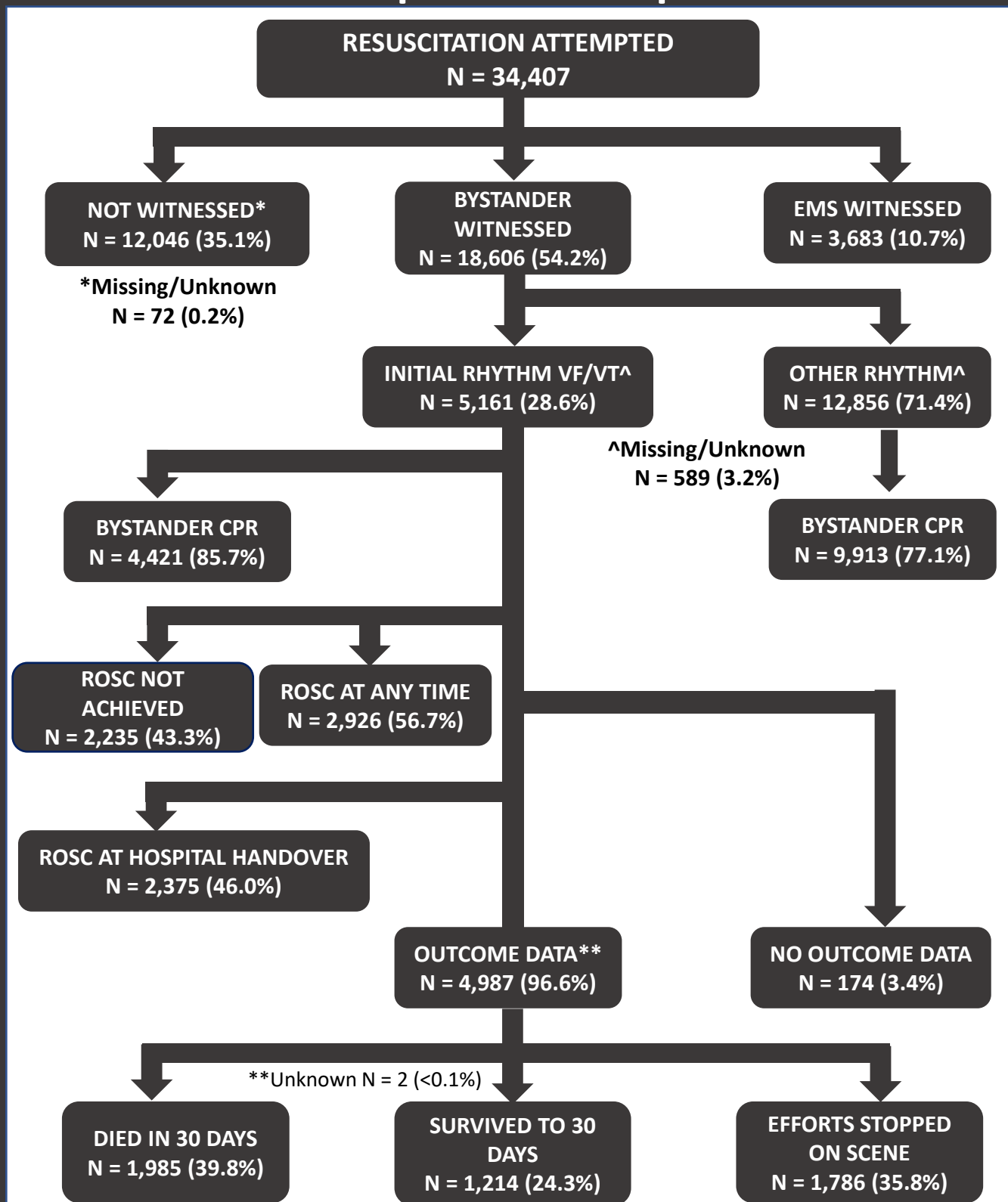
lives saved

*Bystander witnessed, shockable rhythm

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Utstein Comparator Group^x Flow Chart



^xBystander witnessed, shockable rhythm

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