

OHCAO CARDIAC ARREST OVERVIEW

NEAS 2022

Demographics

5,999

OHCA calls attended



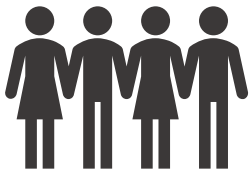
2,323

Patients treated by ambulance service personnel



OHCA incidence (per 100,000)

All cases
(Age/gender adjusted)



86.3

Males
(Age adjusted)



117.0

Females
(Age adjusted)



59.6

Age of patients

Median Age
68.0yrs
Mean Age
64.6yrs

Age Distribution



1.6%

<15yrs



40.9%

15-64yrs



57.5%

65+yrs

Sex Distribution

63.0%

Median Age
67.0yrs
Mean Age
63.5yrs



37.0%

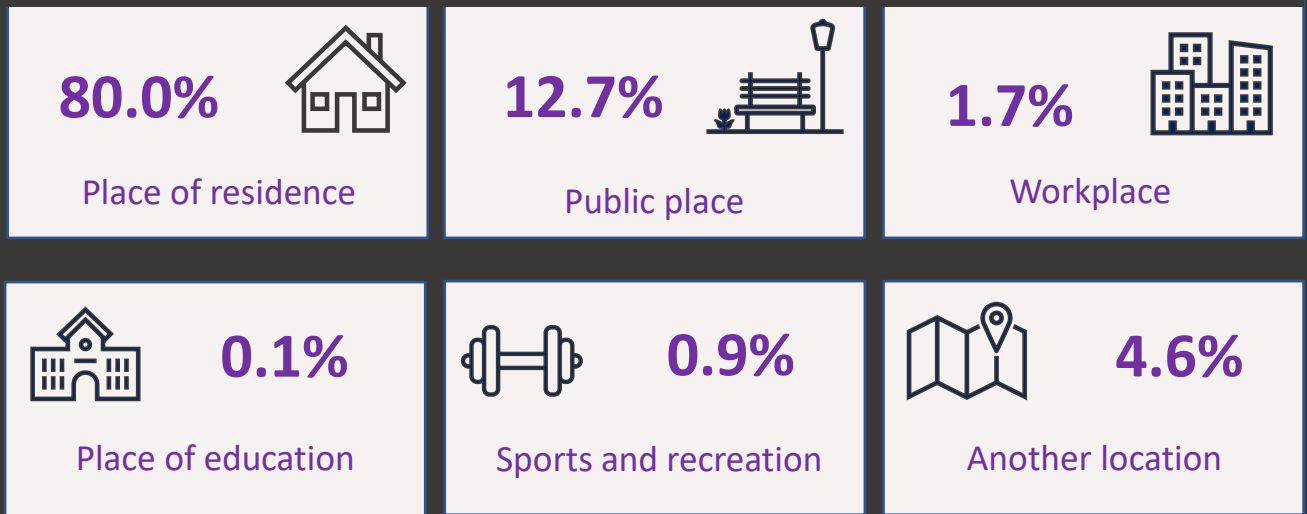
Median Age
70.0yrs
Mean Age
66.5yrs



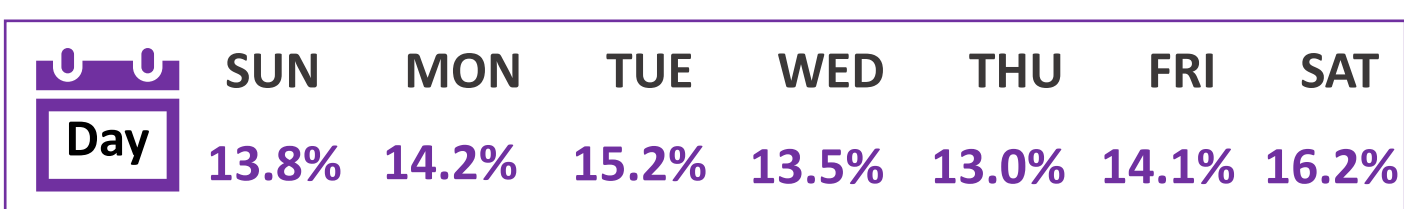
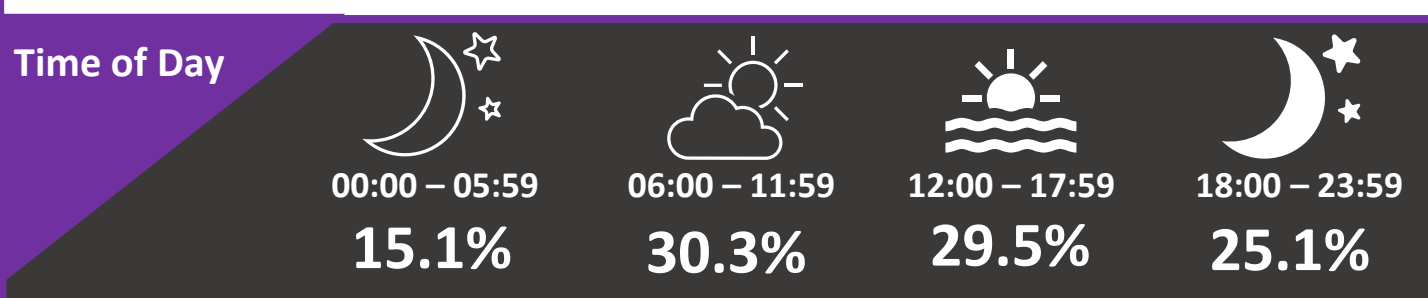
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Where did people have a cardiac arrest?*



When did people have a cardiac arrest?



Median EMS Response time*



90th
percentile time*:
18.8
mins

Proportion of cases reached in 7 mins*



*national averages used as data missing

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Aetiology

Medical/Presumed cardiac

85.9%



Trauma

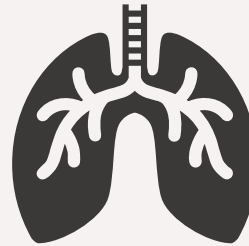
2.5%



Overdose



1.9%



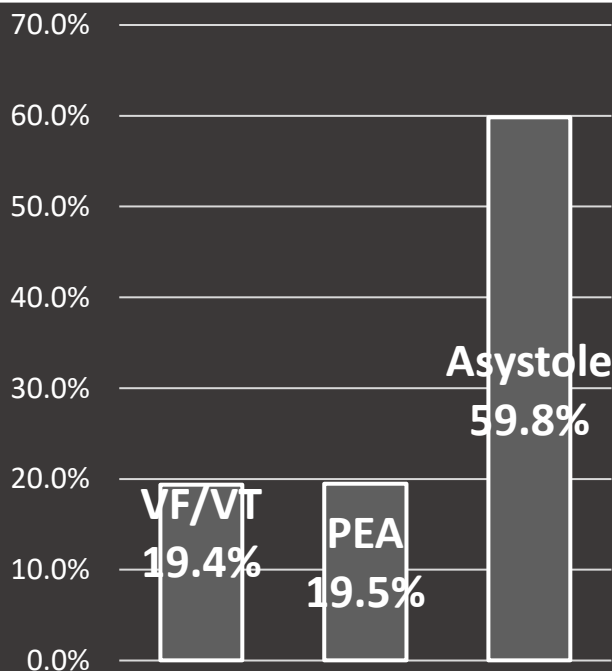
Asphyxia

6.1%

Other/missing 3.5%

Initial Rhythm

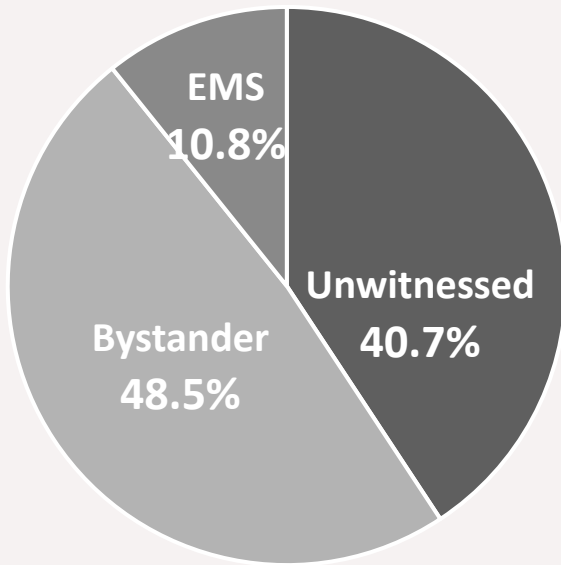
Other/missing 1.3%



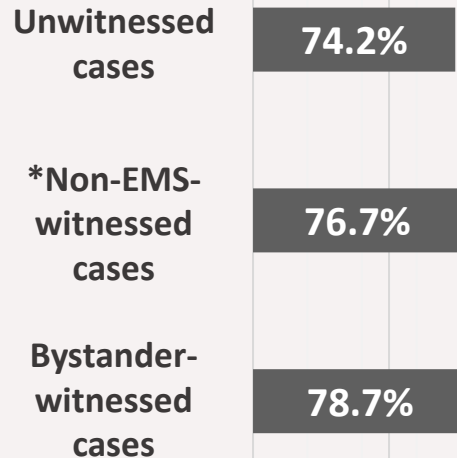
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Bystander Interventions

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
7.2%

Bystander witnessed cases
9.0%

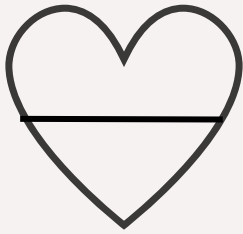
Unwitnessed cases
6.9%



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Clinical Outcomes

Declared dead
on scene



66.7%

Admitted with
ongoing CPR



6.5%

Admitted
with ROSC



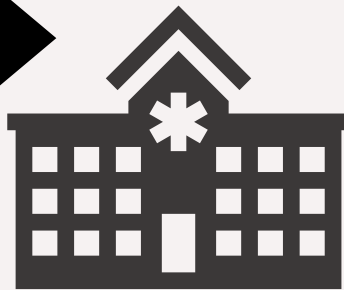
26.8%

Admitted to
hospital with
ROSC

26.8%

Utstein^x

51.1%



30-day
Survival

8.1%

Utstein^x

31.5%

Ambulance
service
personnel
successful in
restarting

621
hearts

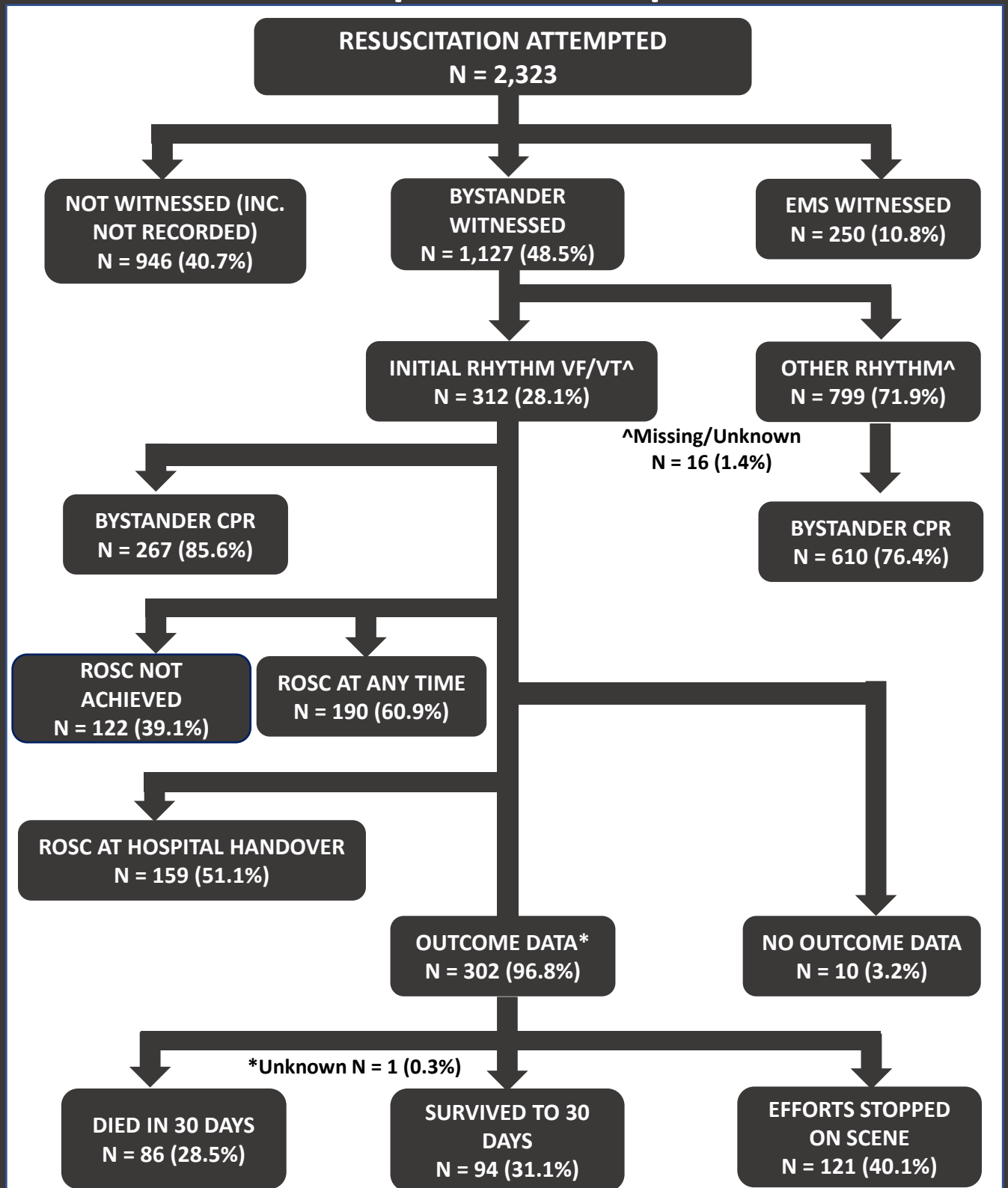
185

lives saved

^xBystander witnessed, shockable rhythm

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Utstein Comparator Group^x Flow Chart



^xBystander witnessed, shockable rhythm