

OHCAO CARDIAC ARREST OVERVIEW

SCAS 2022

Demographics

4,890

OHCA calls attended



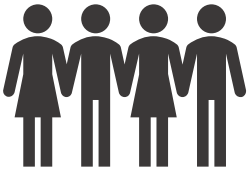
2,666

Patients treated by ambulance service personnel



OHCA incidence (per 100,000)

All cases
(Age/gender adjusted)



62.8

Males
(Age adjusted)



87.0

Females
(Age adjusted)



41.2

Age of patients

Median Age
71.0yrs
Mean Age
66.5yrs

Age Distribution



1.9%

<15yrs



36.4%

15-64yrs



61.7%

65+yrs

Sex Distribution

65.0%

Median Age
70.0yrs
Mean Age
65.9yrs



35.0%

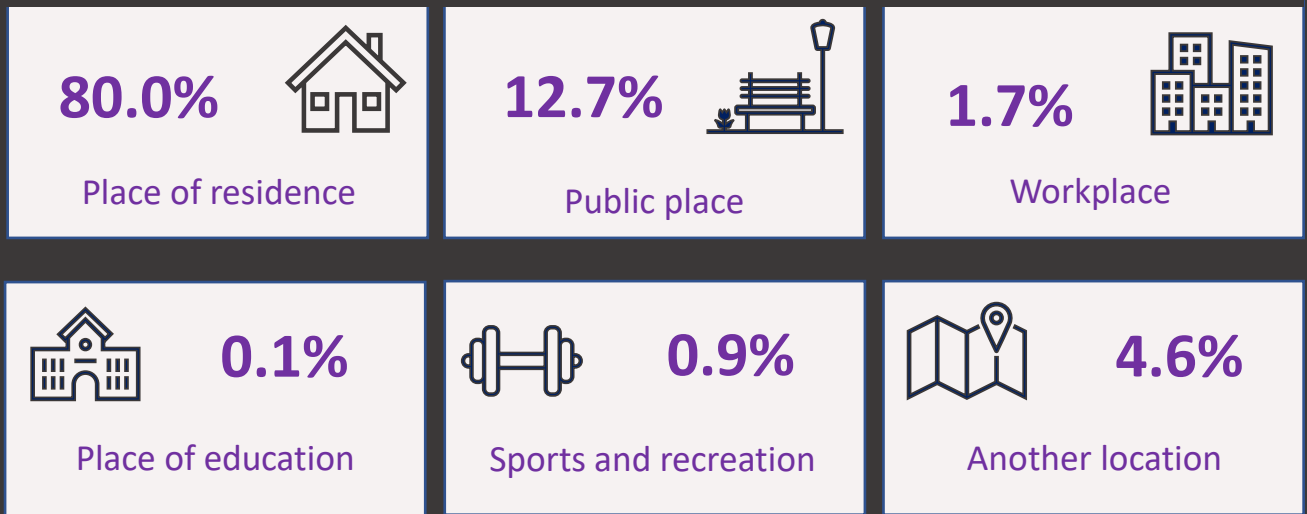
Median Age
72.0yrs
Mean Age
67.8yrs



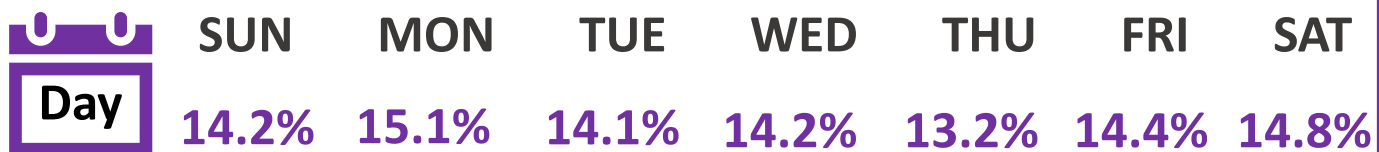
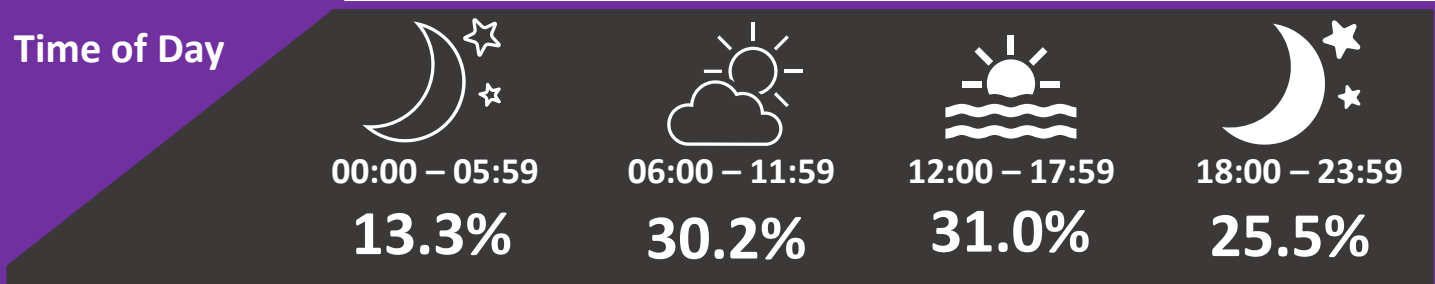
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Where did people have a cardiac arrest?*



When did people have a cardiac arrest?



Median EMS Response time



90th percentile time:
16.8 mins

Proportion of cases reached in 7 mins



*National averages used as data not available

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Aetiology

Medical/Presumed cardiac

89.9%



Trauma

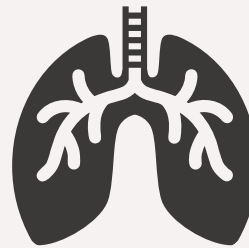
3.2%



Overdose



2.1%



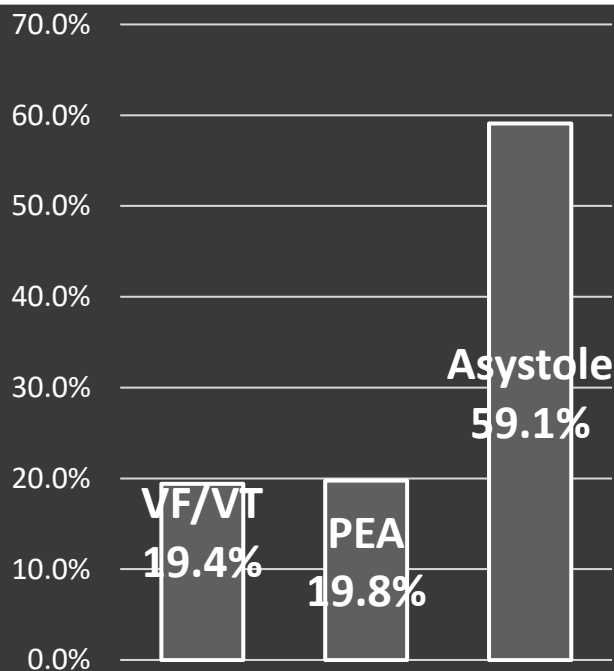
Asphyxia

4.4%

Other/missing 0.4%

Initial Rhythm

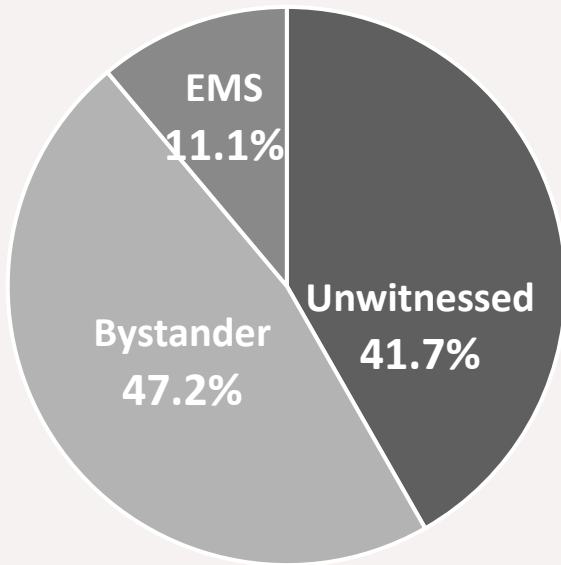
Other/missing 1.7%



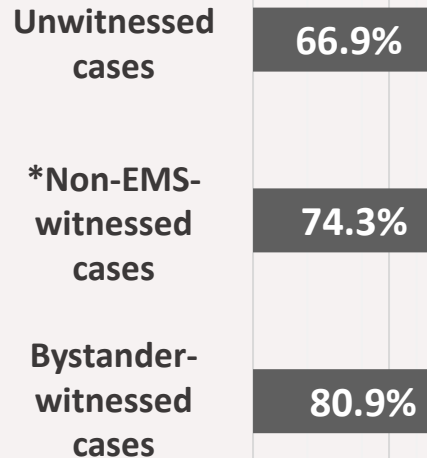
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Bystander Interventions

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%



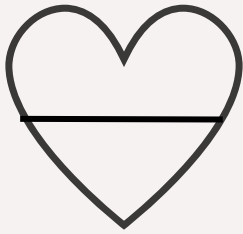
*National averages used as data not available

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Clinical Outcomes

Declared dead
on scene



60.9%

Admitted with
ongoing CPR



15.9%

Admitted
with ROSC



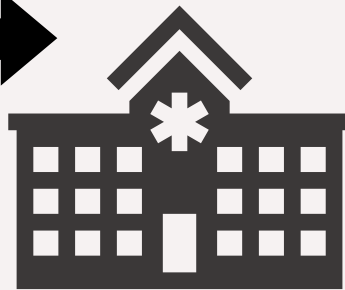
23.2%

Admitted to
hospital with
ROSC

23.2%

Utstein^x

49.4%



30-day
Survival

9.0%

Utstein^x

31.2%

Ambulance
service
personnel
successful in
restarting

619
hearts

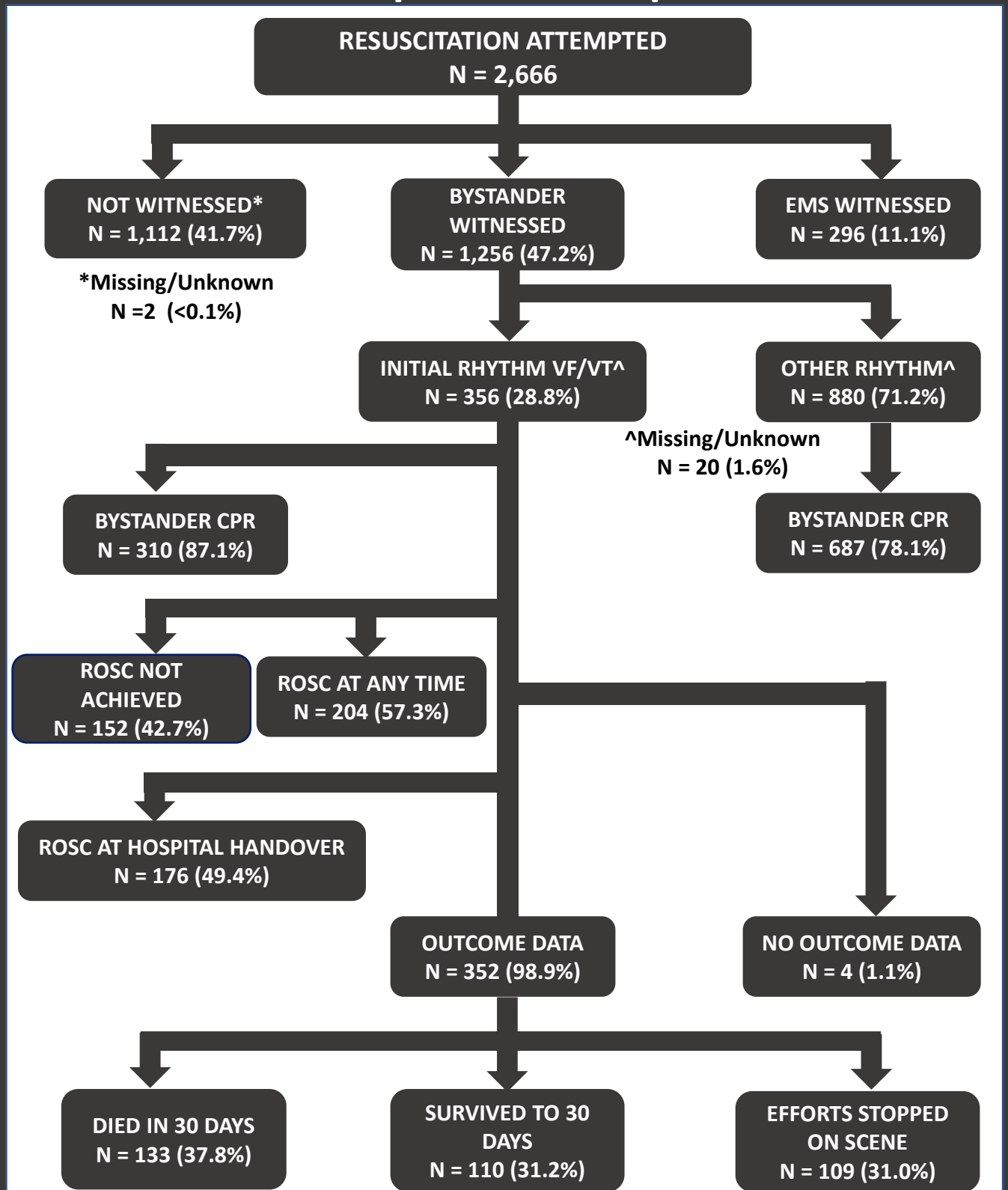
238

lives saved

^xBystander witnessed, shockable rhythm

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Utstein Comparator Group^x Flow Chart



^xBystander witnessed, shockable rhythm