

OHCAO CARDIAC ARREST OVERVIEW SWAST 2022

Demographics

10,475

OHCA calls attended



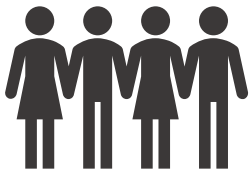
3,618

Patients treated by ambulance service personnel



OHCA incidence (per 100,000)

All cases
(Age/gender adjusted)



58.7

Males
(Age adjusted)



84.7

Females
(Age adjusted)



35.2

Age of patients

Median Age
70.0yrs
Mean Age
66.1yrs

Age Distribution



1.5%

<15yrs



37.5%

15-64yrs



61.0%

65+yrs

Sex Distribution

67.8%

Median Age
69.0yrs
Mean Age
65.6yrs



32.2%



Median Age
72.0yrs
Mean Age
67.1yrs

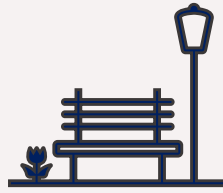
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Where did people have a cardiac arrest?



73.2%

Place of residence



15.6%

Public place



11.2%

Another location

When did people have a cardiac arrest?

Time of Day



00:00 – 05:59

13.6%



06:00 – 11:59

29.8%



12:00 – 17:59

30.7%



18:00 – 23:59

25.9%



SUN

15.1%

MON

14.9%

TUE

13.8%

WED

12.9%

THU

14.5%

FRI

13.8%

SAT

15.0%

Median EMS Response time



8.9 mins

90th

percentile time:

22.3 mins

Proportion of cases reached in 7 mins



38.8%

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Aetiology

Medical/Presumed cardiac

87.7%



Trauma

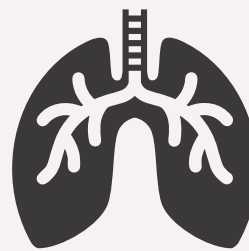
4.3%



Overdose



1.7%

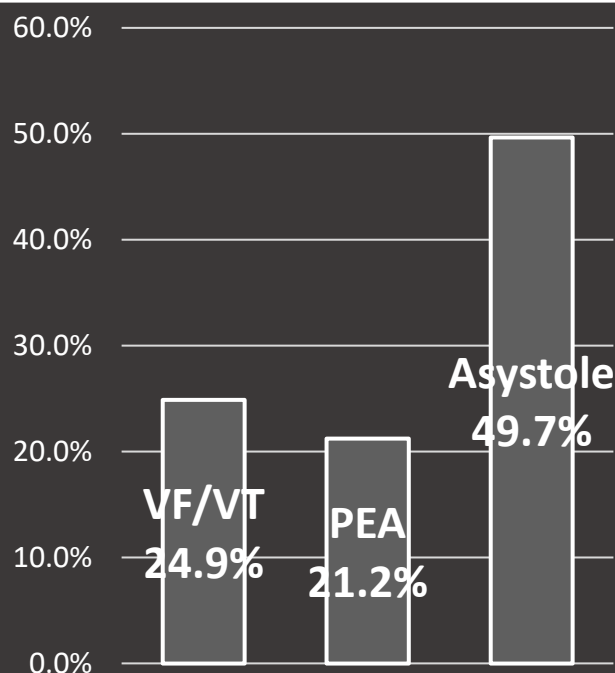


Asphyxia

2.3%

Other/missing 4.0%

Initial Rhythm

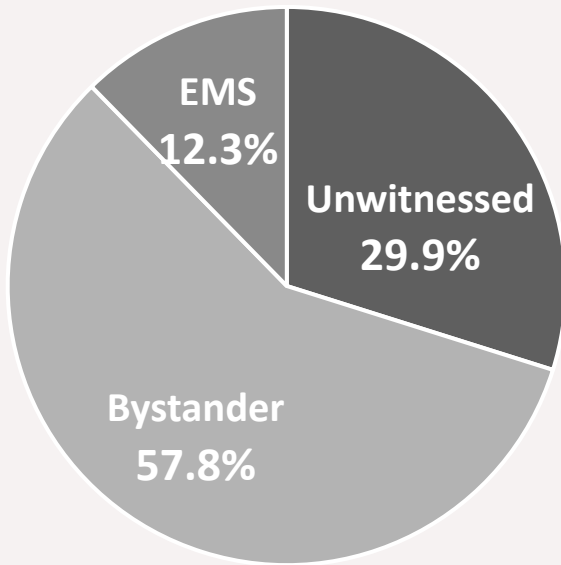


Other/missing 4.2%

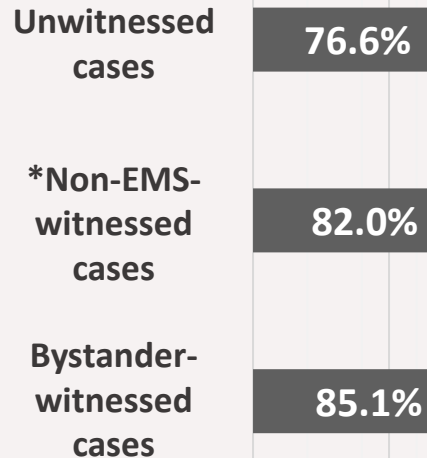
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Bystander Interventions

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
14.5%

Bystander witnessed cases
17.7%

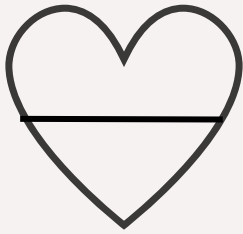
Unwitnessed cases
13.4%



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Clinical Outcomes

Declared dead
on scene



66.9%

Admitted with
ongoing CPR



6.6%

Admitted
with ROSC



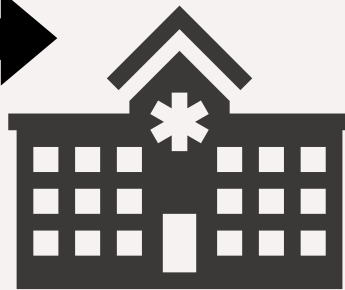
26.5%

Admitted to
hospital with
ROSC

26.5%

Utstein^x

48.2%



30-day
Survival

8.9%

Utstein^x

25.0%

Ambulance
service
personnel
successful in
restarting

956
hearts

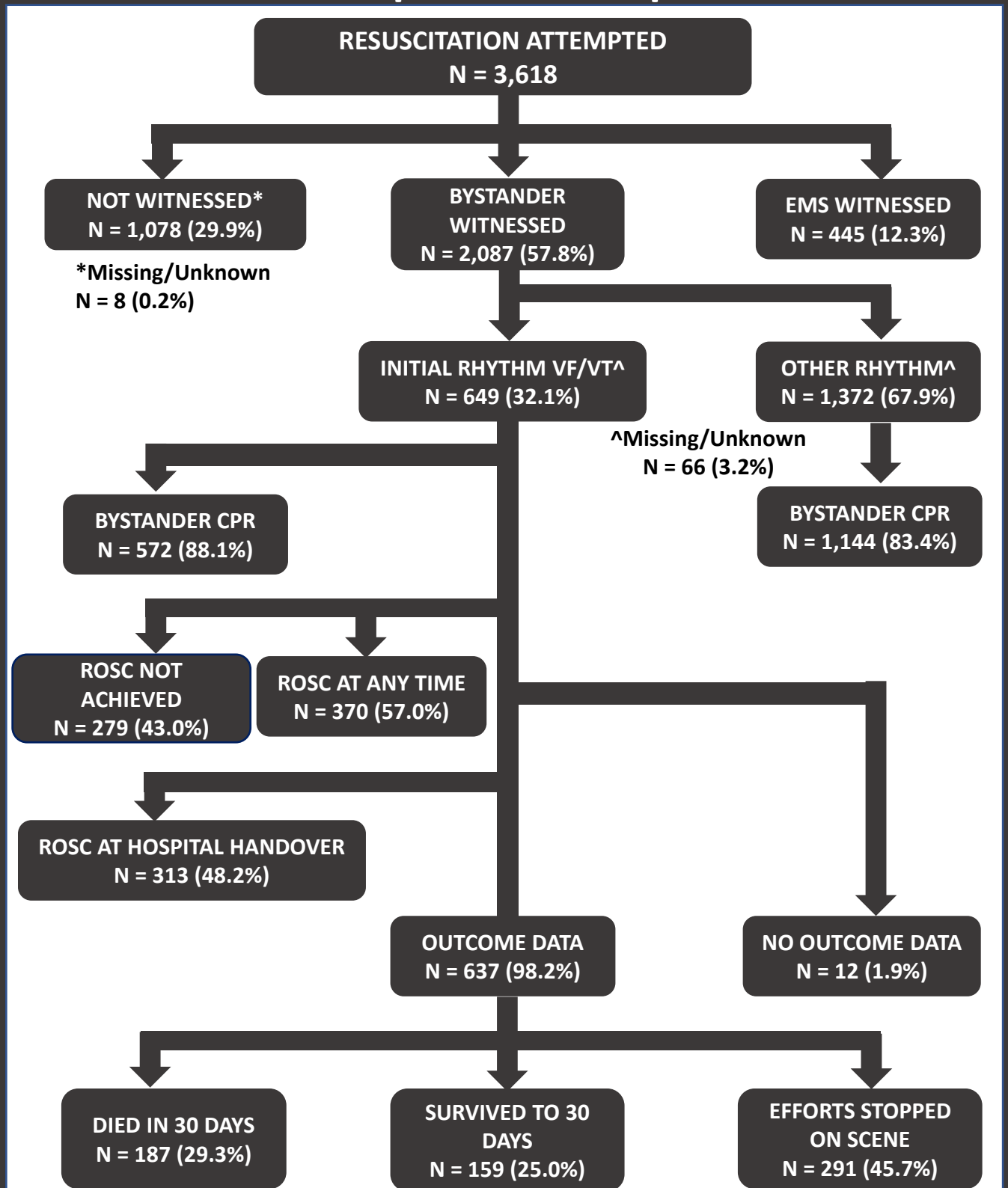
320

lives saved

^xBystander witnessed, shockable rhythm

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Utstein Comparator Group^x Flow Chart



^xBystander witnessed, shockable rhythm