

OHCAO CARDIAC ARREST OVERVIEW

WMAS 2022

Demographics

11,188

OHCA calls attended



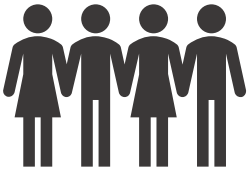
4,025

Patients treated by ambulance service personnel



OHCA incidence (per 100,000)

All cases
(Age/gender adjusted)



69.9

Males
(Age adjusted)



96.8

Females
(Age adjusted)



46.4

Age of patients

Median Age
71.0yrs
Mean Age
66.7yrs

Age Distribution



1.9%

<15yrs



36.1%

15-64yrs



62.0%

65+yrs

Sex Distribution

64.5%

Median Age
70.0yrs
Mean Age
65.8yrs



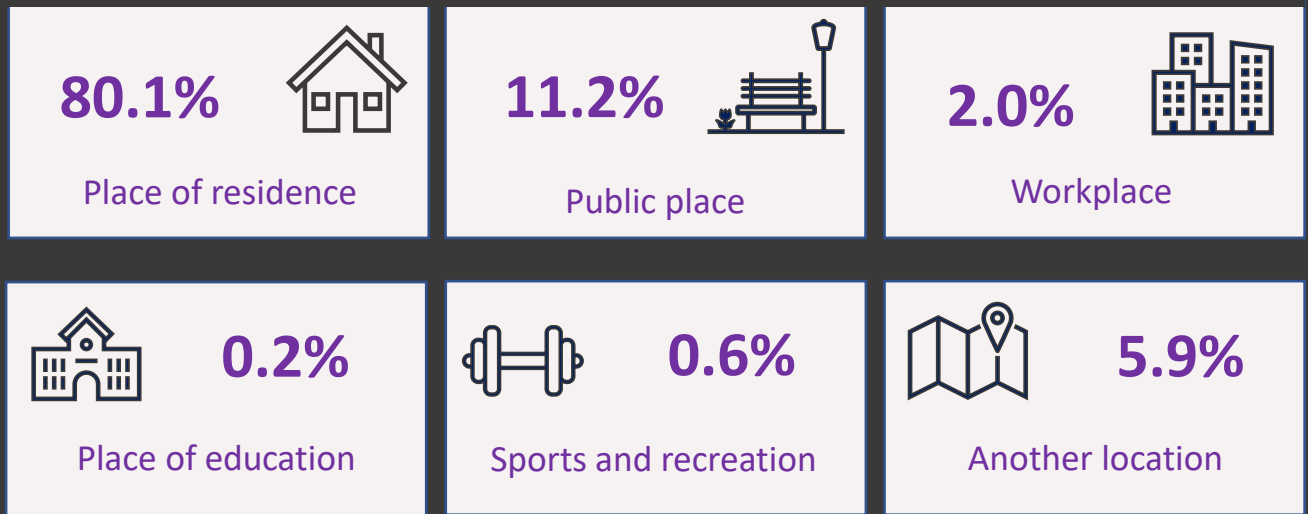
35.5%

Median Age
73.0yrs
Mean Age
68.4yrs

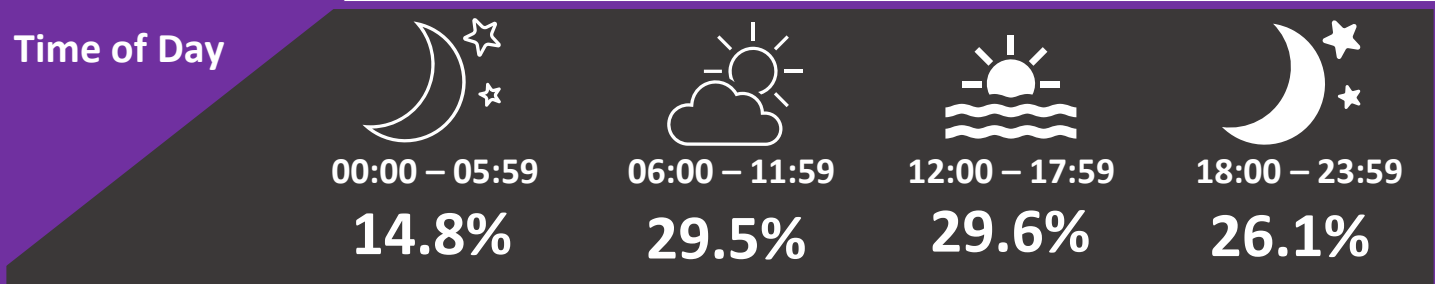


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Where did people have a cardiac arrest?



When did people have a cardiac arrest?



Day	SUN	MON	TUE	WED	THU	FRI	SAT
	14.9%	14.4%	14.7%	13.3%	14.5%	13.7%	14.5%

Median EMS
Response time



90th
percentile time:
15.9
mins

Proportion of cases
reached in 7 mins



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Aetiology

Medical/Presumed cardiac

92.2%



Trauma

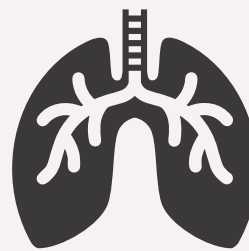
2.5%



Overdose



1.3%



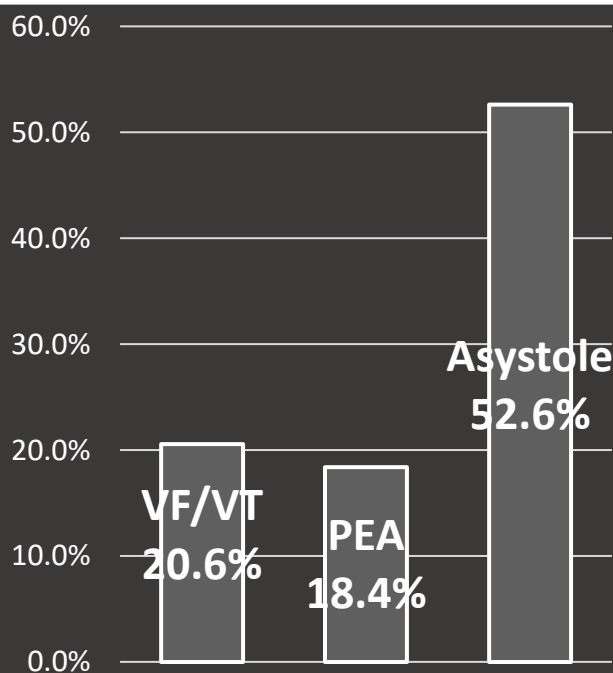
Asphyxia

3.1%

Other/missing 0.9%

Initial Rhythm

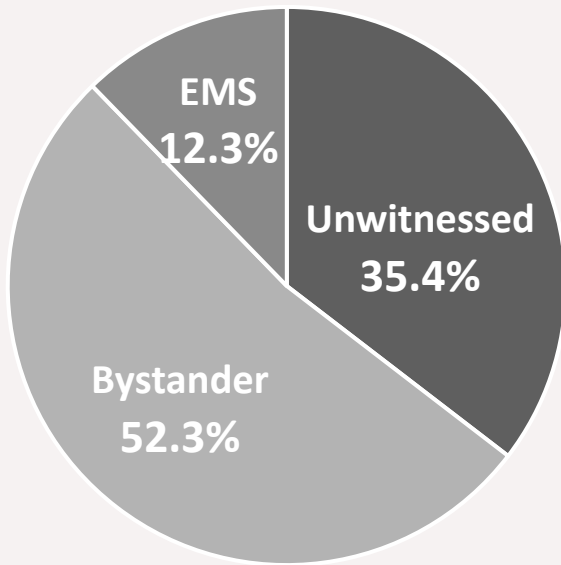
Other/missing 8.4%



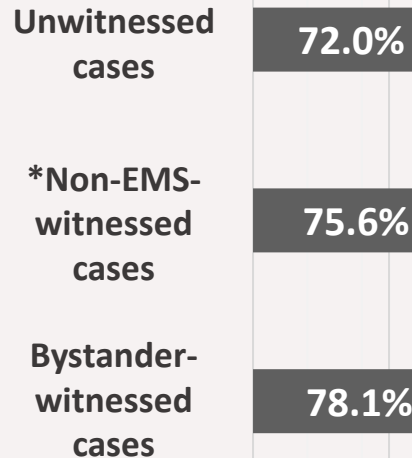
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Bystander Interventions

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
6.3%

Bystander witnessed cases
7.7%

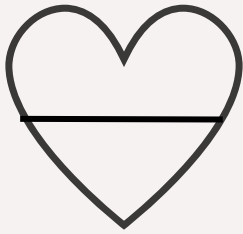
Unwitnessed cases
6.2%



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Clinical Outcomes

Declared dead
on scene



47.0%

Admitted with
ongoing CPR



26.0%

Admitted
with ROSC



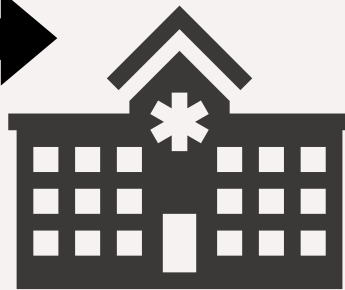
27.0%

Admitted to
hospital with
ROSC

27.0%

Utstein^x

47.5%



30-day
Survival

7.4%

Utstein^x

25.2%

Ambulance
service
personnel
successful in
restarting

1,087
hearts

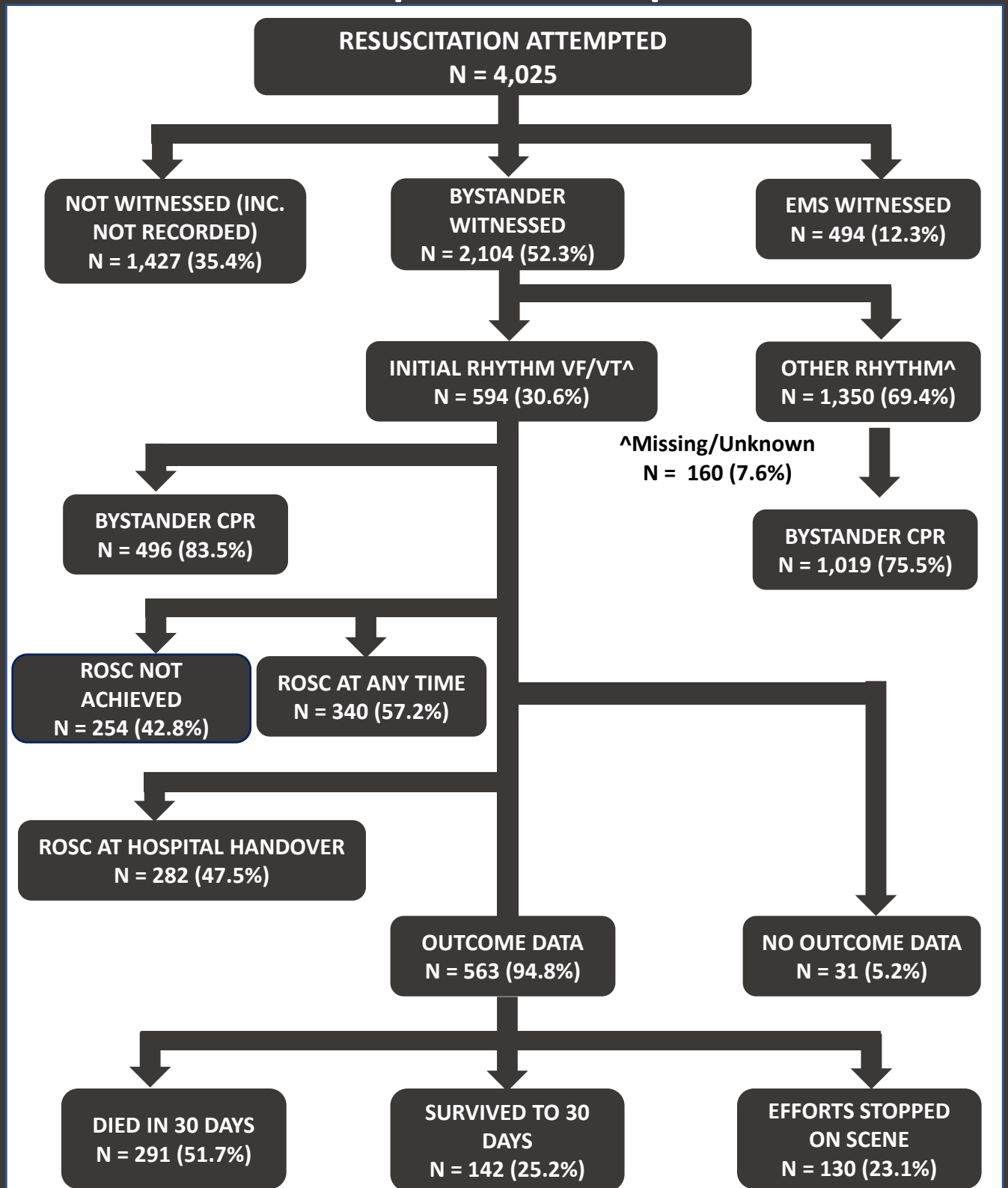
290

lives saved

*Bystander witnessed, shockable rhythm

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Utstein Comparator Group^x Flow Chart



^xBystander witnessed, shockable rhythm