

OHCAO CARDIAC ARREST OVERVIEW EAST 2021

Demographics

11,084

OHCA calls attended



3,680

Patients treated
by ambulance
service personnel

OHCA incidence (per 100,000)

All cases
(Age/gender adjusted)



56.1

Male
(Age adjusted)



78.3

Female
(Age adjusted)



36.7

Age of patients

Median Age
69.0yrs
Mean Age
65.8yrs

Age Distribution



1.6%

<15yrs



39.1%

15-64yrs



59.3%

65+yrs

Sex Distribution

65.7%

Median Age
68.0yrs
Mean Age
65.3yrs



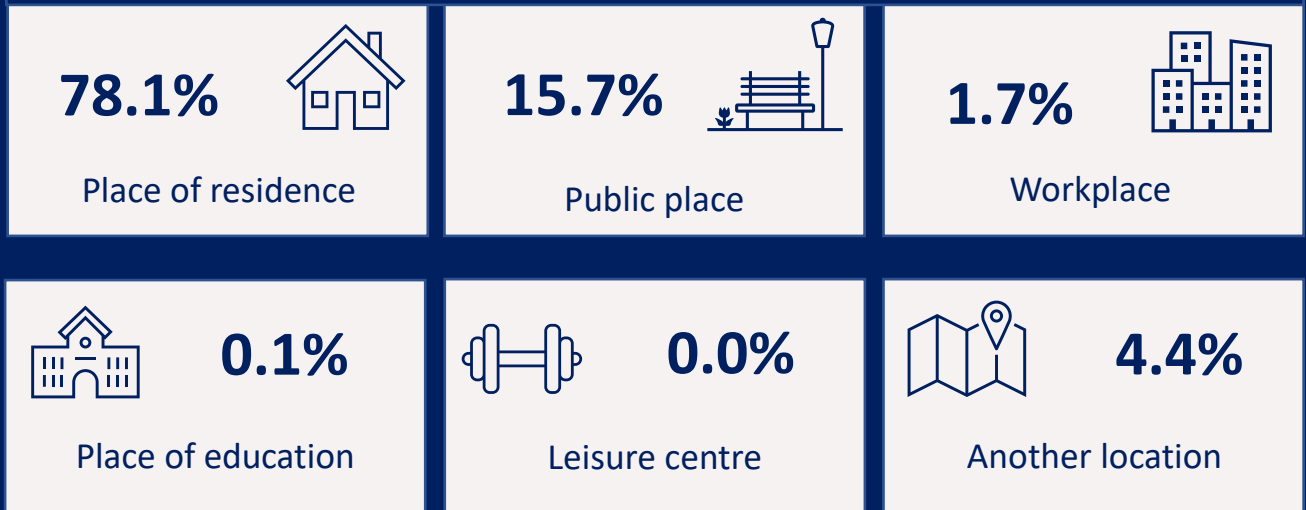
34.3%

Median Age
71.0yrs
Mean Age
66.7yrs

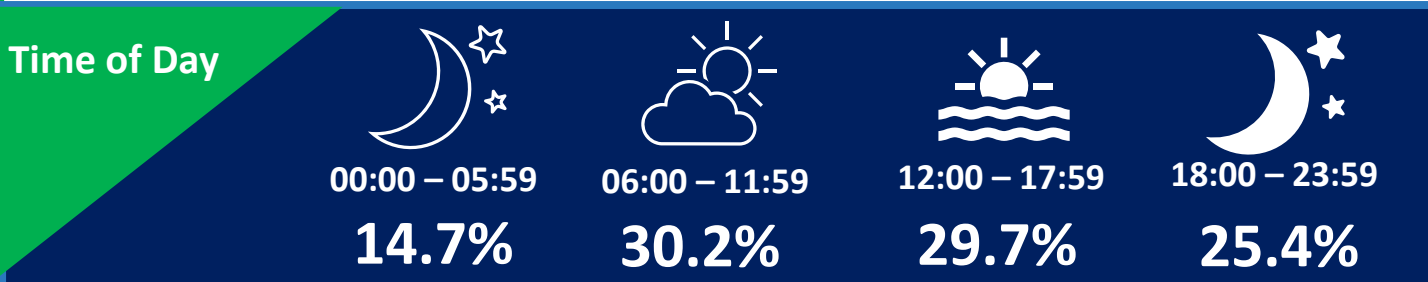


OHCAO CARDIAC ARREST OVERVIEW EAST 2021

Where did people have a cardiac arrest?



When did people have a cardiac arrest?



Median EMS
Response time

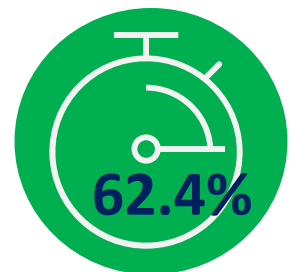


6.0 mins

90th
percentile time:

14.0
mins

Proportion of cases
reached in 7 mins



OHCAO CARDIAC ARREST OVERVIEW EAST 2021

Aetiology*

Presumed cardiac

90.1%



Trauma

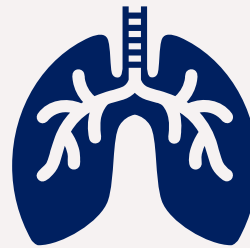
4.0%



Overdose



0.7%

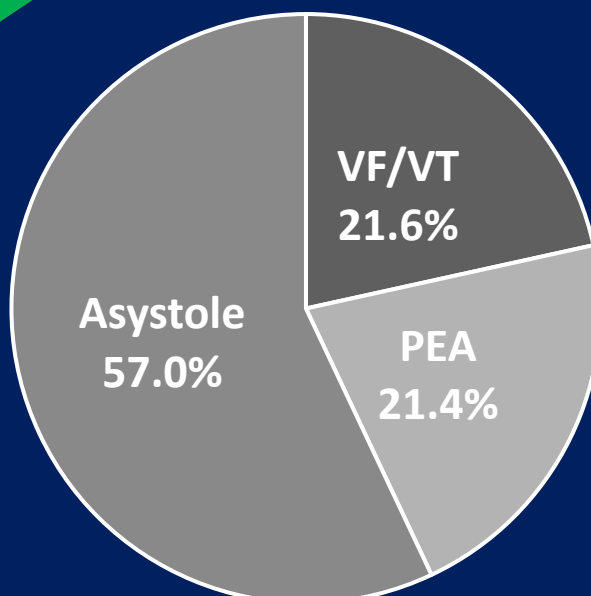


Asphyxia

2.9%

*Other/missing 2.3%

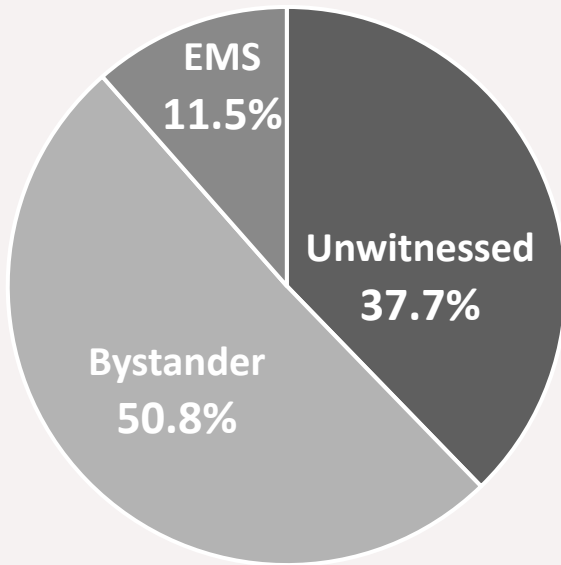
Initial Rhythm**



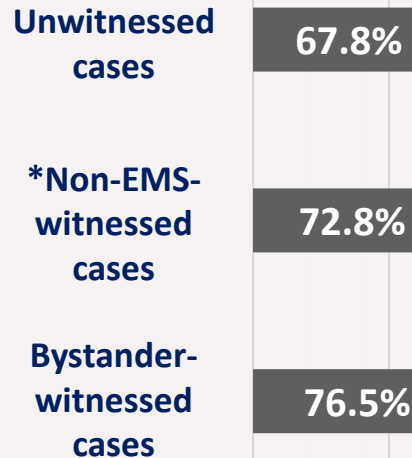
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Bystander Interventions

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
2.5%

Bystander
witnessed cases
4.0%

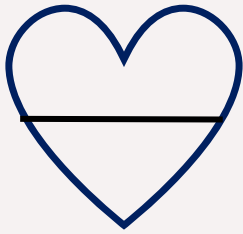
Unwitnessed
cases
1.3%



OHCAO CARDIAC ARREST OVERVIEW EAST 2021

Clinical Outcomes

Declared dead
on scene



60.1%

Admitted with
ongoing CPR



17.5%

Admitted
with ROSC



22.4%

Admitted to
hospital with
ROSC

22.4%

Utstein^x

47.7%



30-day
Survival

7.7%

Utstein^x

25.9%

Ambulance
service
personnel
successful in
restarting

825
hearts

280

lives saved

^xUtstein Comparator Group: bystander witnessed, shockable rhythm

OHCAO CARDIAC ARREST OVERVIEW EAST 2021

Utstein Comparator Group^x Flow Chart

RESUSCITATION ATTEMPTED
N = 3,680

**NOT WITNESSED (INC.
NOT RECORDED)**
N = 1,389 (37.7%)

**BYSTANDER
WITNESSED**
N = 1,868 (50.8%)

EMS WITNESSED
N = 423 (11.5%)

INITIAL RHYTHM VF/VT
N = 535 (28.6%)

OTHER RHYTHM
N = 1,333 (71.4%)

BYSTANDER CPR
N = 432 (80.8%)

BYSTANDER CPR
N = 996 (74.7%)

**ROSC NOT
ACHIEVED**
N = 227 (42.4%)

ROSC AT ANY TIME
N = 308 (57.6%)

ROSC AT HOSPITAL HANDOVER
N = 255 (47.7%)

OUTCOME DATA
N = 526 (98.3%)

NO OUTCOME DATA
N = 9 (1.7%)

**DIED WITHIN 30
DAYS**
N = 205 (39.0%)

**SURVIVED TO 30
DAYS**
N = 136 (25.9%)

**EFFORTS STOPPED
ON SCENE**
N = 185 (35.1%)

^xBystander witnessed, shockable rhythm