

OHCAO CARDIAC ARREST OVERVIEW

*NEAS 2021

Demographics

5,632

OHCA calls attended



1,000

Patients treated by ambulance service personnel



OHCA incidence (per 100,000)

All cases
(Age/gender adjusted)



36.9

Male
(Age adjusted)



48.3

Female
(Age adjusted)



26.8

Age of patients

Median Age
68.0yrs
Mean Age
65.8yrs

Age Distribution



0.5%

<15yrs



40.9%

15-64yrs



58.6%

65+yrs

Sex Distribution

60.7%

Median Age
67.0yrs
Mean Age
64.6yrs



39.3%



Median Age
70.0yrs
Mean Age
67.5yrs

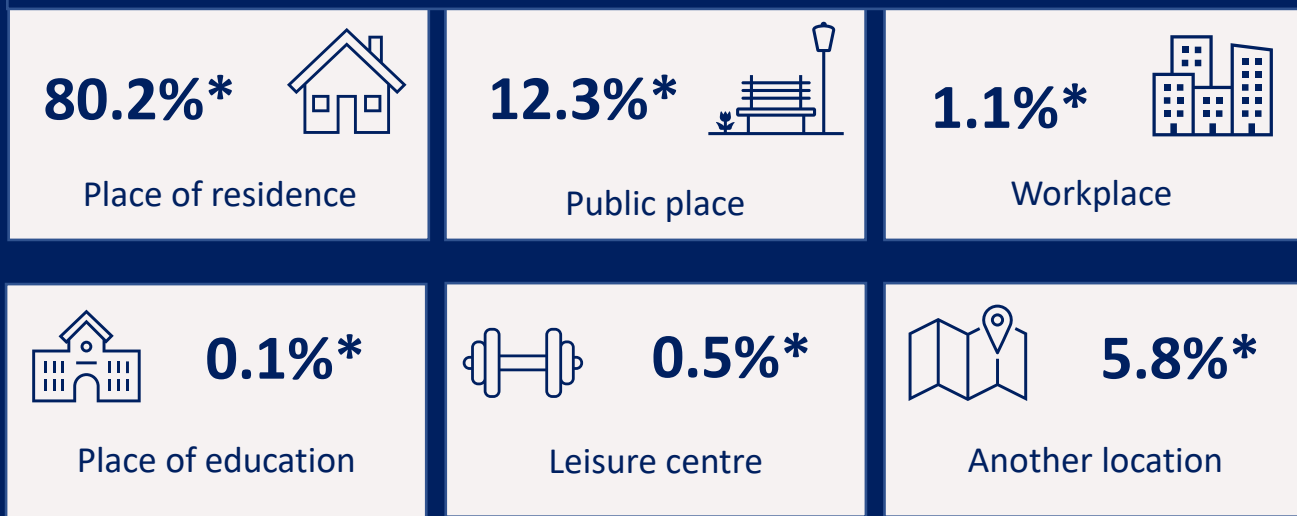
*NEAS data (except for demographics, which is complete 2021 data) is for Aug-Dec only

OHCAO CARDIAC ARREST OVERVIEW

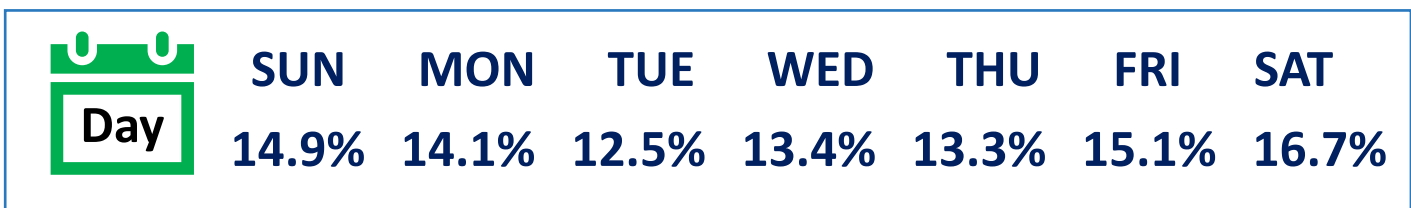
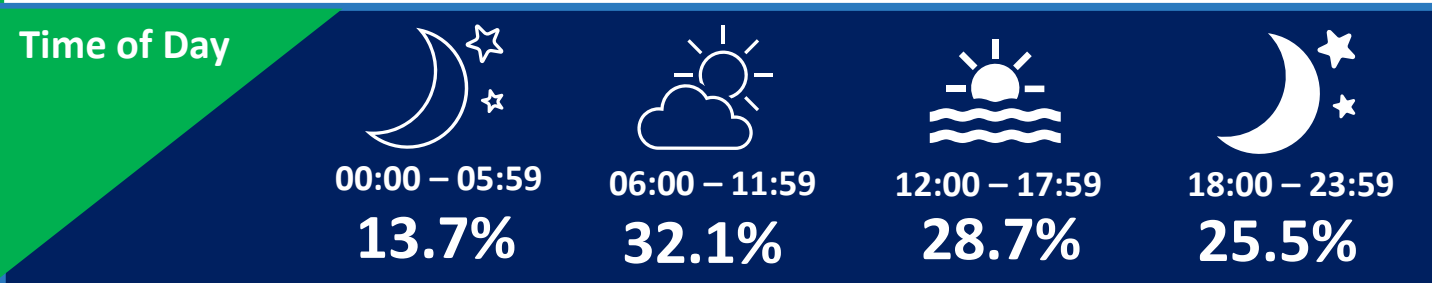
NEAS 2021

**Regional data not available - national averages presented*

Where did people have a cardiac arrest?



When did people have a cardiac arrest?



Median EMS Response time



Proportion of cases reached in 7 mins



OHCAO CARDIAC ARREST OVERVIEW

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Aetiology*

Presumed cardiac

85.3%



Trauma

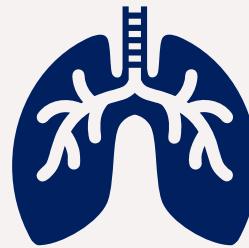
2.1%



Overdose



2.2%

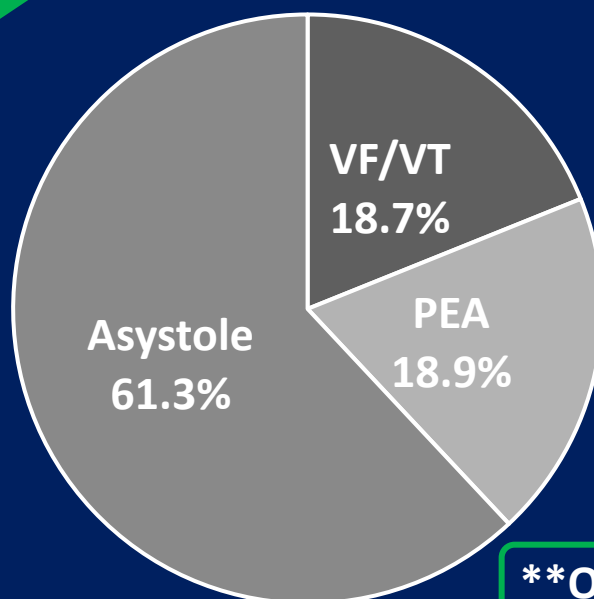


Asphyxia

6.4%

*Other/missing 4%

Initial Rhythm**



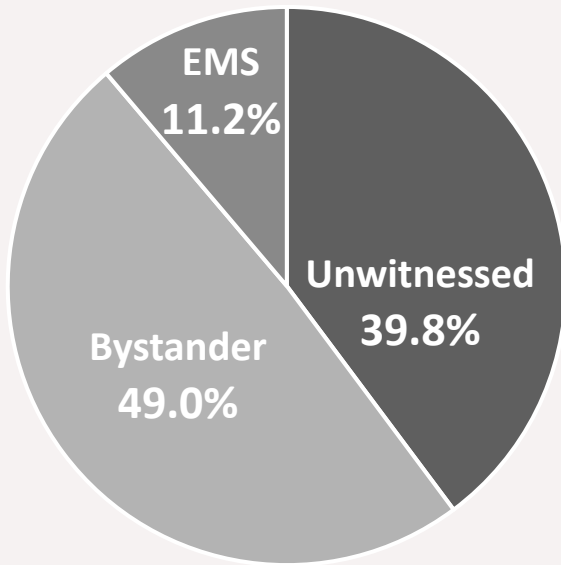
**Other/missing 1.1%

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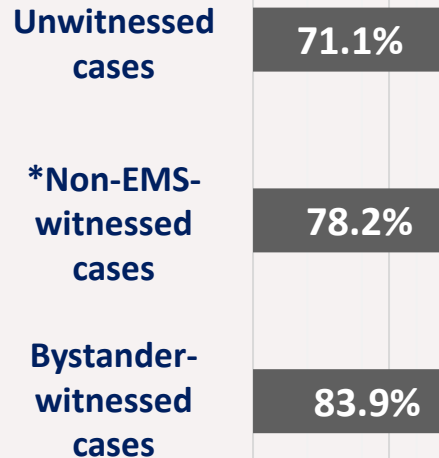
NEAS 2021

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
5.7%

Bystander witnessed cases
7.1%

Unwitnessed cases
5.3%

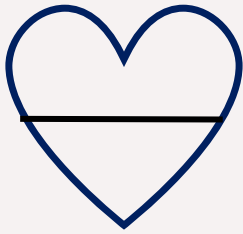


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Clinical Outcomes

Declared dead
on scene



65.0%

Admitted with
ongoing CPR



5.5%

Admitted
with ROSC



29.5%

Admitted to
hospital with
ROSC

29.5%

Utstein^x

62.5%



30-day
Survival

9.0%

Utstein^x

35.9%

Ambulance
service
personnel
successful in
restarting



294
hearts



88

lives saved

^xUtstein Comparator Group: bystander witnessed, shockable rhythm

OHCAO CARDIAC ARREST OVERVIEW NEAS 2021

Utstein Comparator Group^x Flow Chart

RESUSCITATION ATTEMPTED
N = 1,000

NOT WITNESSED (INC. NOT RECORDED)
N = 398 (39.8%)

BYSTANDER WITNESSED
N = 490 (49.0%)

EMS WITNESSED
N = 112 (11.2%)

INITIAL RHYTHM VF/VT
N = 129 (26.4%)

OTHER RHYTHM
N = 359 (73.6%)

BYSTANDER CPR
N = 115 (89.2%)

BYSTANDER CPR
N = 295 (82.2%)

ROSC NOT ACHIEVED
N = 40 (31.0%)

ROSC AT ANY TIME
N = 89 (69.0%)

ROSC AT HOSPITAL HANDOVER
N = 80 (62.5%)

OUTCOME DATA
N = 117 (90.7%)

NO OUTCOME DATA
N = 12 (9.3%)

DIED WITHIN 30 DAYS
N = 34 (29.1%)

SURVIVED TO 30 DAYS
N = 42 (35.9%)

EFFORTS STOPPED ON SCENE
N = 41 (35.0%)

^xBystander witnessed, shockable rhythm