## OHCAO CARDIAC ARREST OVERVIEW IOWAS 2020

### **Demographics**

289

OHCA calls attended



114

Patients treated by ambulance service clinicians

#### OHCA incidence (per 100,000)

All cases (Age/gender adjusted)



65.4

Males (Age adjusted)



97.2

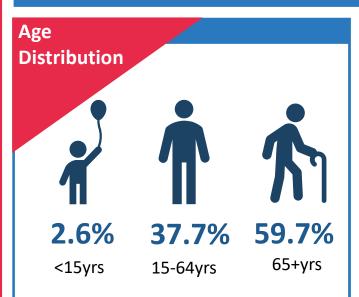
Females (Age adjusted)

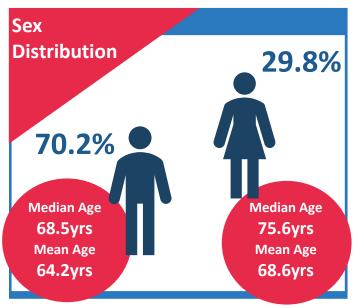


36.3

### Age of cases

Median Age
70.1yrs
Mean Age
65.5yrs















### **OHCAO CARDIAC ARREST OVERVIEW IOWAS 2020**

### Where did people have a cardiac arrest?

78.9%



Place of residence

13.2%



Public place

0.9%



Workplace



0.0%

Place of education



0.9%

Leisure centre



6.1%

Another location

**Time of Day** 



00:00 - 05:59

9.7%



06:00 - 11:59

26.3%



12:00 - 17:59

34.2%



18:00 - 23:59

29.8%



**SUN** MON **TUE** 

**WED** 

**THU** 

**FRI** 

**SAT** 

16.7% 14.0% 11.4% 12.3% 13.1% 13.2% 19.3%

Median EMS Response time



**9.1** mins

90th percentile time: 21.0 mins



**Proportion of cases** reached in 7 mins

33.3%











# OHCAO CARDIAC ARREST OVERVIEW IOWAS 2020

## **Aetiology**

Medical

87.7%



**Trauma** 

4.4%



**Overdose** 





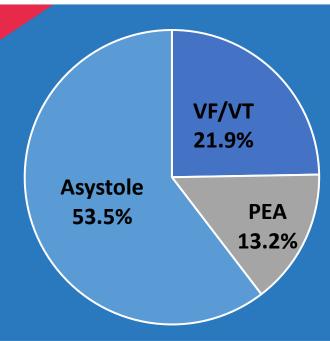
3.5%



**Asphyxia** 

3.5%

## Initial Rhythm







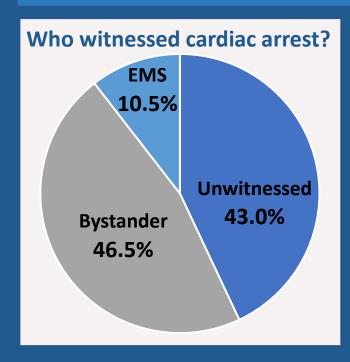


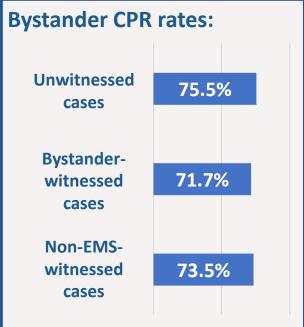




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### **Bystander Interventions**





\*Non-EMS-witnessed cases is the combination of unwitnessed and bystander-witnessed cases

#### **Public Access Defibrillator use**

All cases

8.8%

Bystander witnessed cases

9.4%



Unwitnessed cases

10.2%











## OHCAO CARDIAC ARREST OVERVIEW IOWAS 2020

#### **Clinical Outcomes**

Declared dead on scene



60.5%

Admitted with ongoing CPR



18.4%

Admitted with ROSC



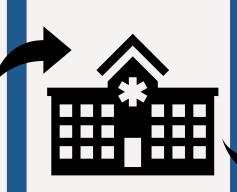
21.1%

Admitted to hospital with ROSC

21.1%

**UCG**<sup>x</sup>

35.7%



Survived to discharge

10.7%

UCG<sup>x</sup>

23.1%

Paramedics successful in restarting

24 hearts 12

lives saved

<sup>x</sup>Utstein Comparator Group: bystander witnessed, shockable rhythm











## OHCAO CARDIAC ARREST OVERVIEW IOWAS 2020

### **Utstein Comparator Group<sup>x</sup> Flow Chart**

