OHCAO CARDIAC ARREST OVERVIEW EMAS 2022*

Demographics

7,165
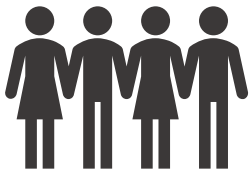OHCA calls attended

2,723
Patients treated by ambulance service personnel

OHCA incidence (per 100,000)

All cases
(Age/gender adjusted)

55.3

Males
(Age adjusted)

77.6

Females
(Age adjusted)

35.4

Age of patients

Median Age
70.0yrs
Mean Age
66.5yrs

Age Distribution

1.4%
<15yrs

36.1%
15-64yrs

62.5%
65+yrs

Sex Distribution

66.0%

Median Age
70.0yrs
Mean Age
65.7yrs

34.0%

Median Age
72.0yrs
Mean Age
67.9yrs

*December 2022 data not submitted

OHCAO British Heart Foundation Resuscitation Council UK NIHR | Applied Research Collaboration West Midlands ASSOCIATION OF AMBULANCE CHIEF EXECUTIVES

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Where did people have a cardiac arrest?

82.3%	**8.0%**	**9.7%**
Place of residence	Public place	Another location
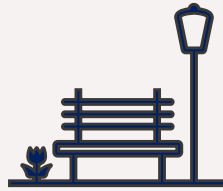
When did people have a cardiac arrest?

Time of Day

00:00 – 05:59	06:00 – 11:59	12:00 – 17:59	18:00 – 23:59
14.2%	**31.4%**	**29.3%**	**25.1%**

Day	SUN	MON	TUE	WED	THU	FRI	SAT
	14.4%	15.9%	13.7%	14.6%	13.0%	13.1%	15.3%

Median EMS Response time
10.2 mins

90th percentile time: **23.5** mins

Proportion of cases reached in 7 mins
26.6%

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OHCAO

British Heart Foundation

RESUSCITATION Council UK

NIHR | Applied Research Collaboration West Midlands

ASSOCIATION OF AMBULANCE CHIEF EXECUTIVES

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Aetiology^

Medical/Presumed cardiac

84.4%

Trauma

3.5%

Overdose

2.0%
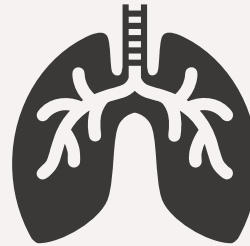
Asphyxia

3.8%

Other/missing 6.3%

Initial Rhythm

Other/missing 5.4%

VF/VT
19.7%

PEA
21.1%

Asystole
53.8%

60.0%
50.0%
40.0%
30.0%
20.0%
10.0%
0.0%
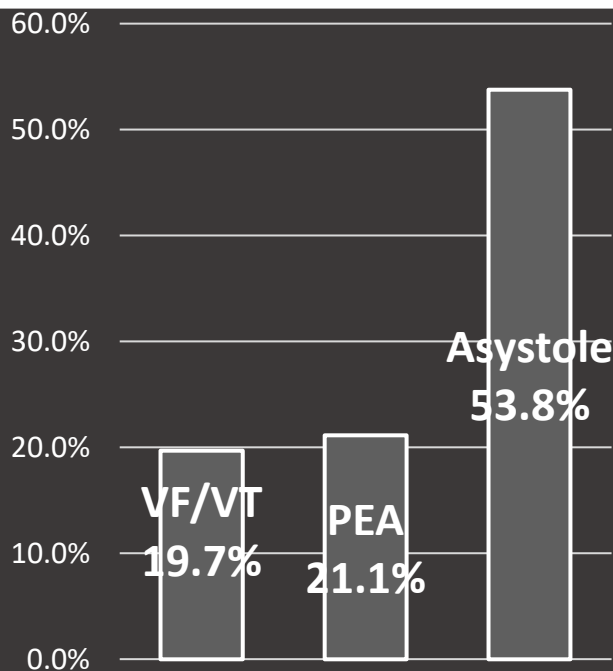
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^National averages used as data not available

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Bystander Interventions

Who witnessed cardiac arrest?

Bystander witnessed 54.3%

EMS witnessed & Unwitnessed 45.7%

CPR rates:

EMS witnessed & Unwitnessed cases — 55.7%

Bystander witnessed cases — 79.7%
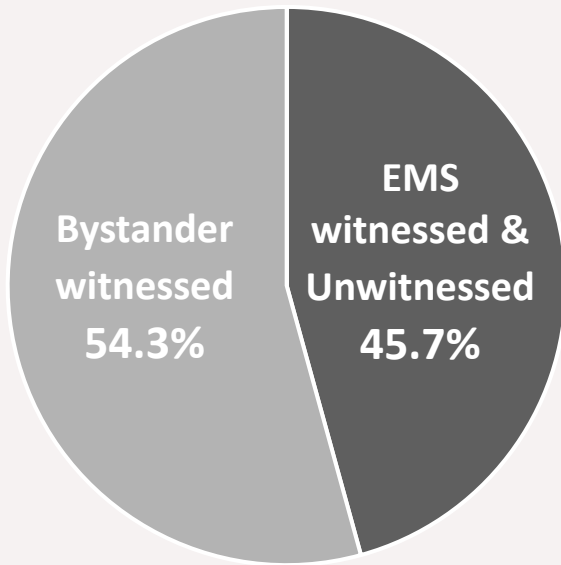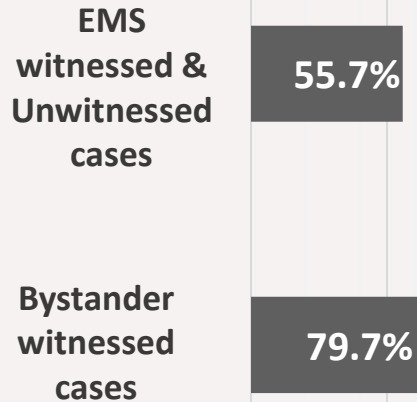
Public Access Defibrillator use^

All cases
8.5%

Bystander witnessed cases
10.6%

EMS witnessed & Unwitnessed cases
7.7%

Defibrillator Heart Restarter

OHCAO CARDIAC ARREST OVERVIEW EMAS 2022*

Clinical Outcomes

Declared dead on scene
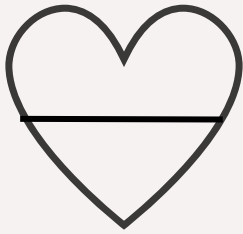
59.4%

Admitted with ongoing CPR

16.7%

Admitted with ROSC

23.9%

Admitted to hospital with ROSC

23.9%

Utstein[x]

44.4%
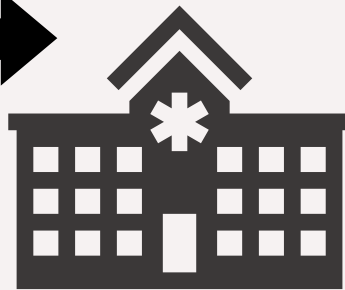
30-day Survival

7.9%

Utstein[x]

21.9%

Ambulance service personnel successful in restarting

651 hearts

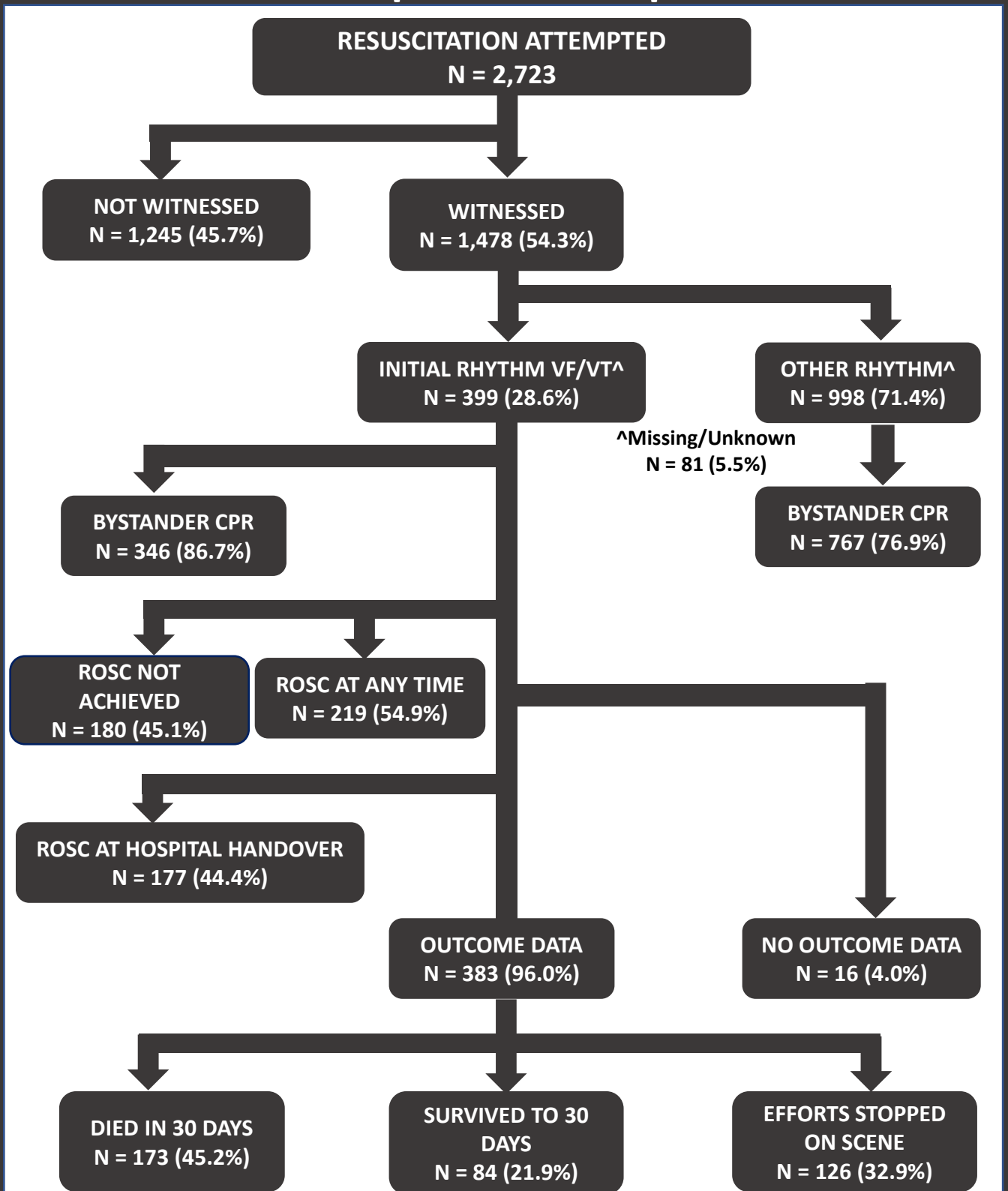**212** lives saved

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[x]Bystander witnessed, shockable rhythm

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Utstein Comparator Group[x] Flow Chart

RESUSCITATION ATTEMPTED
N = 2,723

NOT WITNESSED
N = 1,245 (45.7%)

WITNESSED
N = 1,478 (54.3%)

INITIAL RHYTHM VF/VT^
N = 399 (28.6%)

OTHER RHYTHM^
N = 998 (71.4%)

^Missing/Unknown
N = 81 (5.5%)

BYSTANDER CPR
N = 346 (86.7%)

BYSTANDER CPR
N = 767 (76.9%)

ROSC NOT ACHIEVED
N = 180 (45.1%)

ROSC AT ANY TIME
N = 219 (54.9%)

ROSC AT HOSPITAL HANDOVER
N = 177 (44.4%)

OUTCOME DATA
N = 383 (96.0%)

NO OUTCOME DATA
N = 16 (4.0%)

DIED IN 30 DAYS
N = 173 (45.2%)

SURVIVED TO 30 DAYS
N = 84 (21.9%)

EFFORTS STOPPED ON SCENE
N = 126 (32.9%)

[x]Bystander witnessed, shockable rhythm

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