

CARES Summary Report

Demographic and Survival Characteristics of OHCA

End of the Event: Dead in Field, Pronounced Dead in ED, Ongoing Resuscitation in ED | Arrest Witness Status: All | Resuscitation Attempted by 911 Responder: Yes | Presumed Cardiac Arrest Etiology: Presumed Cardiac Etiology | Service Date: 01/01/18 - 12/31/18

Data	Michigan N=6092	National N=66687
Age	N=6091	N=66674
Mean	65.4	65.2
Median	66.0	66.0
Gender (%)	N=6091	N=66685
Female	2350 (38.6)	24782 (37.2)
Male	3741 (61.4)	41903 (62.8)
Race (%)	N=6085	N=66679
American-Indian/Alaskan	10 (0.2)	250 (0.4)
Asian	46 (0.8)	1545 (2.3)
Black/African-American	1713 (28.2)	16134 (24.2)
Hispanic/Latino	63 (1.0)	4089 (6.1)
Native Hawaiian/Pacific Islander	6 (0.1)	305 (0.5)
White	3492 (57.4)	33004 (49.5)
Unknown	755 (12.4)	11352 (17.0)
Location of Arrest (%)	N=6092	N=66687
Home/Residence	4165 (68.4)	46107 (69.1)
Nursing Home	972 (16.0)	8114(12.2)
Public Setting	955 (15.7)	12466 (18.7)
Arrest witnessed (%)	N=6092	N=66686
Bystander Witnessed	2371 (38.9)	25970 (38.9)
Witnessed by 911 Responder	579 (9.5)	7240 (10.9)
Unwitnessed	3142 (51.6)	33475 (50.2)
Who Initiated CPR? (%)	N=6092	N=66687
Not Applicable	4 (0.1)	46 (0.1)
Bystander	2619 (43.0)	27871 (41.8)
First Responder	1563 (25.7)	19170 (28.7)
Emergency Medical Services (EMS)	1906 (31.3)	19600 (29.4)
Was an AED applied prior to EMS arrival? (%)	N=6092	N=66686
Yes	2194 (36.0)	20588 (30.9)
No	3898 (64.0)	46098 (69.1)
Who first applied automated external defibrillator? (%)	N=2192	N=20580
Bystander	603 (27.5)	4707 (22.9)
First Responder	1589 (72.5)	15873 (77.1)
Who first defibrillated the patient?* (%)	N=6092	N=65595
Not Applicable	3977 (65.3)	43503 (66.3)
Bystander	128 (2.1)	1342 (2.0)
First Responder	428 (7.0)	4396 (6.7)
Responding EMS Personnel	1559 (25.6)	16354 (24.9)
First Arrest Rhythm (%)	N=6092	N=66681
Vfib/Vtach/Unknown Shockable Rhythm	1208 (19.8)	14112 (21.2)
Asystole	2813 (46.2)	32837 (49.2)
Idioventricular/PEA	1048 (17.2)	13776 (20.7)
Unknown Unshockable Rhythm	1023 (16.8)	5956 (8.9)
Sustained ROSC (%)	N=6092	N=66687
Yes	1676 (27.5)	19852 (29.8)
No	4416 (72.5)	46835 (70.2)
Was hypothermia care provided in the field? (%)	N=6092	N=66687
Yes	53 (0.9)	2855 (4.3)
No	6039 (99.1)	63832 (95.7)
Pre-hospital Outcome (%)	N=6092	N=66687
Pronounced in the Field	2372 (38.9)	24770 (37.1)
Pronounced in ED	631 (10.4)	9649 (14.5)
Ongoing Resuscitation in ED	3089 (50.7)	32268 (48.4)
Overall Survival (%)	N=6092	N=66687
Overall Survival to Hospital Admission	1513 (24.8)	17386 (26.1)
Overall Survival to Hospital Discharge	492 (8.1)	6516 (9.8)
With Good or Moderate Cerebral Performance	413 (6.8)	5223 (7.8)
Missing hospital outcome	0	111
Utstein¹ Survival (%)	N=721	N=8614
	31.2%	33.6%
Utstein Bystander² Survival (%)	N=387	N=5076
	37.0%	37.8%

Inclusion criteria: An out-of-hospital cardiac arrest where resuscitation is attempted by a 911 responder (CPR and/or defibrillation). This would also include patients that received an AED shock by a bystander prior to the arrival of 911 responders.

**This is a new question that was introduced on the 2011 form.*

¹Witnessed by bystander and found in a shockable rhythm

²Witnessed by bystander, found in shockable rhythm, and received some bystander intervention (CPR by bystander and/or AED applied by bystander)