

CARES Summary Report

Demographic and Survival Characteristics of OHCA

Non-Traumatic Etiology | Arrest Witness Status: All | Service Date: 01/01/19 - 12/31/19

Data	Michigan N=7727
Age	N=7726
Mean	63.2
Median	66.0
Gender (%)	N=7726
Female	3027 (39.2)
Male	4699 (60.8)
Race (%)	N=7703
American-Indian/Alaskan	9 (0.1)
Asian	28 (0.4)
Black/African-American	2067 (26.8)
Hispanic/Latino	85 (1.1)
Native Hawaiian/Pacific Islander	7 (0.1)
White	4505 (58.5)
Unknown	1002 (13.0)
Location of Arrest (%)	N=7727
Home/Residence	5452 (70.6)
Nursing Home	1106 (14.3)
Public Setting	1169 (15.1)
Arrest witnessed (%)	N=7727
Bystander Witnessed	2953 (38.2)
Witnessed by 911 Responder	815 (10.5)
Unwitnessed	3959 (51.2)
Who Initiated CPR? (%)	N=7727
Not Applicable	2 (0.0)
Bystander	3357 (43.4)
First Responder	2075 (26.9)
Emergency Medical Services (EMS)	2293 (29.7)
Was an AED applied prior to EMS arrival? (%)	N=7727
Yes	2880 (37.3)
No	4847 (62.7)
Who first applied automated external defibrillator? (%)	N=2879
Bystander	759 (26.4)
First Responder	2120 (73.6)
Who first defibrillated the patient?* (%)	N=7727
Not Applicable	5354 (69.3)
Bystander	134 (1.7)
First Responder	524 (6.8)
Responding EMS Personnel	1715 (22.2)
First Arrest Rhythm (%)	N=7726
Vfib/Vtach/Unknown Shockable Rhythm	1337 (17.3)
Asystole	3765 (48.7)
Idioventricular/PEA	1348 (17.4)
Unknown Unshockable Rhythm	1276 (16.5)
Sustained ROSC (%)	N=7727
Yes	2296 (29.7)
No	5431 (70.3)
Was hypothermia care provided in the field? (%)	N=7727
Yes	22 (0.3)
No	7705 (99.7)
Pre-hospital Outcome (%)	N=7727
Pronounced in the Field	3278 (42.4)
Pronounced in ED	748 (9.7)
Ongoing Resuscitation in ED	3701 (47.9)
Overall Survival (%)	N=7727
Overall Survival to Hospital Admission	2010 (26.0)
Overall Survival to Hospital Discharge	673 (8.7)
With Good or Moderate Cerebral Performance	549 (7.1)
Missing hospital outcome	0
Utstein¹ Survival (%)	N=822
	30.3%
Utstein Bystander² Survival (%)	N=499
	34.1%

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)