

CARES Summary Report

Demographic and Survival Characteristics of OHCA

Non-Traumatic Etiology | Arrest Witness Status: All | Date of Arrest: 01/01/13 - 12/31/22

Data	Michigan N=65642
Age	N=65610
Mean	63.0
Median	65.0
Gender (%)	N=65635
Female	25677 (39.1)
Male	39945 (60.9)
Race (%)	N=65516
American-Indian/Alaskan	132 (0.2)
Asian	400 (0.6)
Black/African-American	17297 (26.4)
Hispanic/Latino	872 (1.3)
Native Hawaiian/Pacific Islander	64 (0.1)
White	36777 (56.1)
Multi-racial	110 (0.2)
Unknown	9865 (15.1)
Location of Arrest (%)	N=65642
Home/Residence	46895 (71.4)
Nursing Home	9370 (14.3)
Public Setting	9377 (14.3)
Arrest witnessed (%)	N=65640
Bystander Witnessed	23980 (36.5)
Witnessed by 911 Responder	7022 (10.7)
Unwitnessed	34638 (52.8)
Who Initiated CPR? (%)	N=65641
Not Applicable	29 (0.0)
Bystander	26437 (40.3)
First Responder	17694 (27.0)
Emergency Medical Services (EMS)	21481 (32.7)
Was an AED applied prior to EMS arrival? (%)	N=65641
Yes	22600 (34.4)
No	43041 (65.6)
Who first applied automated external defibrillator? (%)	N=22583
Bystander	5686 (25.2)
First Responder	16897 (74.8)
Who first defibrillated the patient?* (%)	N=65482
Not Applicable	45731 (69.8)
Bystander	1143 (1.7)
First Responder	3984 (6.1)
Responding EMS Personnel	14624 (22.3)
First Arrest Rhythm (%)	N=65641
Vfib/Vtach/Unknown Shockable Rhythm	10973 (16.7)
Asystole	32318 (49.2)
Idioventricular/PEA	11782 (17.9)
Unknown Unshockable Rhythm	10568 (16.1)
Sustained ROSC (%)	N=65635
Yes	18376 (28.0)
No	47259 (72.0)
Was hypothermia care provided in the field? (%)	N=65632
Yes	463 (0.7)
No	65169 (99.3)
Pre-hospital Outcome (%)	N=65642
Pronounced in the Field	26860 (40.9)
Pronounced in ED	6113 (9.3)
Ongoing Resuscitation in ED	32669 (49.8)
Overall Survival (%)	N=65642
Overall Survival to Hospital Admission	16366 (24.9)
Overall Survival to Hospital Discharge	5371 (8.2)
With Good or Moderate Cerebral Performance	4399 (6.7)
Missing hospital outcome	15
Utstein¹ Survival (%)	N=6406
	28.0%
Utstein Bystander² Survival (%)	N=3606
	31.6%

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)