

CARES Summary Report

Demographic and Survival Characteristics of OHCA

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

Data	Michigan N=9275
Age	N=9272
Mean	63.5
Median	66.0
Gender (%)	N=9275
Female	3615 (39.0)
Male	5656 (61.0)
Race (%)	N=9275
American-Indian/Alaskan	4 (0.0)
Asian	72 (0.8)
Black/African-American	2457 (26.5)
Hispanic/Latino	149 (1.6)
Native Hawaiian/Pacific Islander	8 (0.1)
White	5530 (59.6)
Multi-racial	59 (0.6)
Unknown	996 (10.7)
Location of Arrest (%)	N=9275
Home/Residence	6659 (71.8)
Nursing Home	1260 (13.6)
Public Setting	1356 (14.6)
Arrest witnessed (%)	N=9275
Bystander Witnessed	3476 (37.5)
Witnessed by 911 Responder	947 (10.2)
Unwitnessed	4852 (52.3)
Who Initiated CPR? (%)	N=9275
Not Applicable	6 (0.1)
Bystander	3714 (40.0)
First Responder	2902 (31.3)
Emergency Medical Services (EMS)	2653 (28.6)
Was an AED applied prior to EMS arrival? (%)	N=9275
Yes	3484 (37.6)
No	5791 (62.4)
Who first applied automated external defibrillator? (%)	N=3484
Bystander	912 (26.2)
First Responder	2572 (73.8)
Who first defibrillated the patient?* (%)	N=9269
Not Applicable	6644 (71.7)
Bystander	175 (1.9)
First Responder	599 (6.5)
Responding EMS Personnel	1851 (20.0)
First Arrest Rhythm (%)	N=9275
Vfib/Vtach/Unknown Shockable Rhythm	1491 (16.1)
Asystole	4596 (49.6)
Idioventricular/PEA	1761 (19.0)
Unknown Unshockable Rhythm	1427 (15.4)
Sustained ROSC (%)	N=9274
Yes	2582 (27.8)
No	6692 (72.2)
Was hypothermia care provided in the field? (%)	N=9275
Yes	1 (0.0)
No	9274 (100.0)
Pre-hospital Outcome (%)	N=9275
Pronounced in the Field	4423 (47.7)
Pronounced in ED	431 (4.6)
Ongoing Resuscitation in ED	4421 (47.7)
Overall Survival (%)	N=9275
Overall Survival to Hospital Admission	2279 (24.6)
Overall Survival to Hospital Discharge	755 (8.1)
With Good or Moderate Cerebral Performance	613 (6.6)
Missing hospital outcome	0
Utstein¹ Survival (%)	N=937
	25.2%
Utstein Bystander² Survival (%)	N=506
	29.6%

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)