

CARES Summary Report

Demographic and Survival Characteristics of OHCA

Non-Traumatic Etiology | Arrest Witness Status: All | Date of Arrest: 01/01/23 - 12/31/23

Data	Michigan N=8671
Age	N=8670
Mean	63.3
Median	66.0
Gender (%)	N=8671
Female	3294 (38.0)
Male	5375 (62.0)
Race (%)	N=8671
American-Indian/Alaskan	12 (0.1)
Asian	76 (0.9)
Black/African-American	2251 (26.0)
Hispanic/Latino	138 (1.6)
Native Hawaiian/Pacific Islander	5 (0.1)
White	5275 (60.8)
Multi-racial	61 (0.7)
Unknown	853 (9.8)
Location of Arrest (%)	N=8671
Home/Residence	6191 (71.4)
Nursing Home	1227 (14.2)
Public Setting	1253 (14.5)
Arrest witnessed (%)	N=8671
Bystander Witnessed	3271 (37.7)
Witnessed by 911 Responder	955 (11.0)
Unwitnessed	4445 (51.3)
Who Initiated CPR? (%)	N=8670
Not Applicable	6 (0.1)
Bystander	3676 (42.4)
First Responder	2684 (31.0)
Emergency Medical Services (EMS)	2304 (26.6)
Was an AED applied prior to EMS arrival? (%)	N=8671
Yes	3201 (36.9)
No	5470 (63.1)
Who first applied automated external defibrillator? (%)	N=3202
Bystander	873 (27.3)
First Responder	2329 (72.7)
Who first defibrillated the patient?* (%)	N=8668
Not Applicable	6001 (69.2)
Bystander	174 (2.0)
First Responder	582 (6.7)
Responding EMS Personnel	1911 (22.0)
First Arrest Rhythm (%)	N=8671
Vfib/Vtach/Unknown Shockable Rhythm	1521 (17.5)
Asystole	4368 (50.4)
Idioventricular/PEA	1578 (18.2)
Unknown Unshockable Rhythm	1204 (13.9)
Sustained ROSC (%)	N=8671
Yes	2448 (28.2)
No	6223 (71.8)
Was hypothermia care provided in the field? (%)	N=8671
Yes	0 (0.0)
No	8671 (100.0)
Pre-hospital Outcome (%)	N=8671
Pronounced in the Field	4162 (48.0)
Pronounced in ED	457 (5.3)
Ongoing Resuscitation in ED	4052 (46.7)
Overall Survival (%)	N=8671
Overall Survival to Hospital Admission	2182 (25.2)
Overall Survival to Hospital Discharge	742 (8.6)
With Good or Moderate Cerebral Performance	584 (6.7)
Missing hospital outcome	0
Utstein¹ Survival (%)	N=927
	29.1%
Utstein Bystander² Survival (%)	N=542
	32.8%

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)