

# CARES Summary Report

## Demographic and Survival Characteristics of OHCA

Non-Traumatic Etiology | Arrest Witness Status: All | Date of Arrest: 01/01/13 - 12/31/24

Data	Michigan N=82267
<b>Age</b>	<b>N=82239</b>
Mean	63.2
Median	66.0
<b>Sex (%)</b>	<b>N=82257</b>
Female	32008 (38.9)
Male	50249 (61.1)
<b>Race (%)</b>	<b>N=82141</b>
American-Indian/Alaskan	166 (0.2)
Asian	555 (0.7)
Black/African-American	21376 (26.0)
Hispanic/Latino	1154 (1.4)
Native Hawaiian/Pacific Islander	75 (0.1)
White	47564 (57.9)
Multi-racial	203 (0.2)
Unknown	11048 (13.5)
<b>Location of Arrest (%)</b>	<b>N=82267</b>
Home/Residence	58753 (71.4)
Nursing Home	11795 (14.3)
Public Setting	11719 (14.2)
<b>Arrest witnessed (%)</b>	<b>N=82265</b>
Bystander Witnessed	30380 (36.9)
Witnessed by 911 Responder	8895 (10.8)
Unwitnessed	42990 (52.3)
<b>Who Initiated CPR? (%)</b>	<b>N=82265</b>
Not Applicable	39 (0.0)
Bystander	33814 (41.1)
First Responder	22766 (27.7)
Emergency Medical Services (EMS)	25646 (31.2)
<b>Was an AED applied prior to EMS arrival? (%)</b>	<b>N=82266</b>
Yes	29036 (35.3)
No	53230 (64.7)
<b>Who first applied automated external defibrillator? (%)</b>	<b>N=29033</b>
Bystander	7479 (25.8)
First Responder	21554 (74.2)
<b>Who first defibrillated the patient?* (%)</b>	<b>N=82102</b>
Not Applicable	57508 (70.0)
Bystander	1508 (1.8)
First Responder	5156 (6.3)
Responding EMS Personnel	17930 (21.8)
<b>First Arrest Rhythm (%)</b>	<b>N=82266</b>
Vfib/Vtach/Unknown Shockable Rhythm	13930 (16.9)
Asystole	40657 (49.4)
Idioventricular/PEA	15013 (18.2)
Unknown Unshockable Rhythm	12666 (15.4)
<b>Sustained ROSC (%)</b>	<b>N=82260</b>
Yes	23112 (28.1)
No	59148 (71.9)
<b>Was hypothermia care provided in the field? (%)</b>	<b>N=82257</b>
Yes	460 (0.6)
No	81797 (99.4)
<b>Pre-hospital Outcome (%)</b>	<b>N=82267</b>
Pronounced in the Field	34942 (42.5)
Pronounced in ED	7004 (8.5)
Ongoing Resuscitation in ED	40321 (49.0)
<b>Overall Survival (%)</b>	<b>N=82267</b>
Overall Survival to Hospital Admission	20643 (25.1)
Overall Survival to Hospital Discharge	6876 (8.4)
With Good or Moderate Cerebral Performance	5601 (6.8)
Missing hospital outcome	15
<b>Utstein<sup>1</sup> Survival (%)</b>	<b>N=8160</b>
	28.4%
<b>Utstein Bystander<sup>2</sup> Survival (%)</b>	<b>N=4672</b>
	32.0%

*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.*

*<sup>1</sup>Witnessed by bystander and found in a shockable rhythm*

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