

# CARES Summary Report

## Demographic and Survival Characteristics of OHCA

Non-Traumatic Etiology | Arrest Witness Status: All | Date of Arrest: 01/01/13 - 12/31/23

Data	Michigan N=73998
<b>Age</b>	<b>N=73965</b>
Mean	63.0
Median	65.0
<b>Gender (%)</b>	<b>N=73991</b>
Female	28852 (39.0)
Male	45125 (61.0)
<b>Race (%)</b>	<b>N=73876</b>
American-Indian/Alaskan	144 (0.2)
Asian	476 (0.6)
Black/African-American	19518 (26.4)
Hispanic/Latino	1007 (1.4)
Native Hawaiian/Pacific Islander	68 (0.1)
White	41964 (56.8)
Multi-racial	169 (0.2)
Unknown	10531 (14.3)
<b>Location of Arrest (%)</b>	<b>N=73998</b>
Home/Residence	52812 (71.4)
Nursing Home	10579 (14.3)
Public Setting	10607 (14.3)
<b>Arrest witnessed (%)</b>	<b>N=73996</b>
Bystander Witnessed	27147 (36.7)
Witnessed by 911 Responder	7955 (10.8)
Unwitnessed	38894 (52.6)
<b>Who Initiated CPR? (%)</b>	<b>N=73996</b>
Not Applicable	34 (0.0)
Bystander	30005 (40.5)
First Responder	20286 (27.4)
Emergency Medical Services (EMS)	23671 (32.0)
<b>Was an AED applied prior to EMS arrival? (%)</b>	<b>N=73997</b>
Yes	25697 (34.7)
No	48300 (65.3)
<b>Who first applied automated external defibrillator? (%)</b>	<b>N=25682</b>
Bystander	6548 (25.5)
First Responder	19134 (74.5)
<b>Who first defibrillated the patient?* (%)</b>	<b>N=73837</b>
Not Applicable	51485 (69.7)
Bystander	1314 (1.8)
First Responder	4557 (6.2)
Responding EMS Personnel	16481 (22.3)
<b>First Arrest Rhythm (%)</b>	<b>N=73997</b>
Vfib/Vtach/Unknown Shockable Rhythm	12471 (16.9)
Asystole	36457 (49.3)
Idioventricular/PEA	13300 (18.0)
Unknown Unshockable Rhythm	11769 (15.9)
<b>Sustained ROSC (%)</b>	<b>N=73991</b>
Yes	20772 (28.1)
No	53219 (71.9)
<b>Was hypothermia care provided in the field? (%)</b>	<b>N=73988</b>
Yes	460 (0.6)
No	73528 (99.4)
<b>Pre-hospital Outcome (%)</b>	<b>N=73998</b>
Pronounced in the Field	30844 (41.7)
Pronounced in ED	6575 (8.9)
Ongoing Resuscitation in ED	36579 (49.4)
<b>Overall Survival (%)</b>	<b>N=73998</b>
Overall Survival to Hospital Admission	18494 (25.0)
Overall Survival to Hospital Discharge	6105 (8.3)
With Good or Moderate Cerebral Performance	4975 (6.7)
Missing hospital outcome	18
<b>Utstein<sup>1</sup> Survival (%)</b>	<b>N=7323</b>
	28.1%
<b>Utstein Bystander<sup>2</sup> Survival (%)</b>	<b>N=4142</b>
	31.8%

*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.*

*<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)*