

# CARES Summary Report

## Demographic and Survival Characteristics of OHCA

Non-Traumatic Etiology | Arrest Witness Status: All | Date of Arrest: 01/01/21 - 12/31/21

Data	Michigan N=9634
<b>Age</b>	<b>N=9631</b>
Mean	63.2
Median	65.0
<b>Gender (%)</b>	<b>N=9634</b>
Female	3655 (37.9)
Male	5971 (62.0)
<b>Race (%)</b>	<b>N=9634</b>
American-Indian/Alaskan	25 (0.3)
Asian	69 (0.7)
Black/African-American	2596 (26.9)
Hispanic/Latino	192 (2.0)
Native Hawaiian/Pacific Islander	16 (0.2)
White	5669 (58.8)
Multi-racial	49 (0.5)
Unknown	1018 (10.6)
<b>Location of Arrest (%)</b>	<b>N=9634</b>
Home/Residence	7042 (73.1)
Nursing Home	1307 (13.6)
Public Setting	1285 (13.3)
<b>Arrest witnessed (%)</b>	<b>N=9634</b>
Bystander Witnessed	3583 (37.2)
Witnessed by 911 Responder	967 (10.0)
Unwitnessed	5084 (52.8)
<b>Who Initiated CPR? (%)</b>	<b>N=9634</b>
Not Applicable	3 (0.0)
Bystander	3986 (41.4)
First Responder	2743 (28.5)
Emergency Medical Services (EMS)	2902 (30.1)
<b>Was an AED applied prior to EMS arrival? (%)</b>	<b>N=9634</b>
Yes	3367 (34.9)
No	6267 (65.1)
<b>Who first applied automated external defibrillator? (%)</b>	<b>N=3366</b>
Bystander	868 (25.8)
First Responder	2498 (74.2)
<b>Who first defibrillated the patient?* (%)</b>	<b>N=9630</b>
Not Applicable	6888 (71.5)
Bystander	155 (1.6)
First Responder	556 (5.8)
Responding EMS Personnel	2031 (21.1)
<b>First Arrest Rhythm (%)</b>	<b>N=9634</b>
Vfib/Vtach/Unknown Shockable Rhythm	1460 (15.2)
Asystole	4937 (51.2)
Idioventricular/PEA	1815 (18.8)
Unknown Unshockable Rhythm	1422 (14.8)
<b>Sustained ROSC (%)</b>	<b>N=9634</b>
Yes	2746 (28.5)
No	6888 (71.5)
<b>Was hypothermia care provided in the field? (%)</b>	<b>N=9634</b>
Yes	124 (1.3)
No	9510 (98.7)
<b>Pre-hospital Outcome (%)</b>	<b>N=9634</b>
Pronounced in the Field	4615 (47.9)
Pronounced in ED	479 (5.0)
Ongoing Resuscitation in ED	4540 (47.1)
<b>Overall Survival (%)</b>	<b>N=9634</b>
Overall Survival to Hospital Admission	2278 (23.6)
Overall Survival to Hospital Discharge	739 (7.7)
With Good or Moderate Cerebral Performance	626 (6.5)
Missing hospital outcome	1
<b>Utstein<sup>1</sup> Survival (%)</b>	<b>N=865</b>
	28.8%
<b>Utstein Bystander<sup>2</sup> Survival (%)</b>	<b>N=490</b>
	31.4%

*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)*