

# CARES Summary Report

## Demographic and Survival Characteristics of OHCA

Non-Traumatic Etiology | Arrest Witness Status: All | Date of Arrest: 01/01/13 - 12/31/20

Data	Michigan N=46263
<b>Age</b>	<b>N=46237</b>
Mean	62.9
Median	65.0
<b>Gender (%)</b>	<b>N=46256</b>
Female	18222 (39.4)
Male	28033 (60.6)
<b>Race (%)</b>	<b>N=46141</b>
American-Indian/Alaskan	97 (0.2)
Asian	256 (0.6)
Black/African-American	12180 (26.4)
Hispanic/Latino	529 (1.1)
Native Hawaiian/Pacific Islander	40 (0.1)
White	25356 (55.0)
Multi-racial	2 (0.0)
Unknown	7682 (16.6)
<b>Location of Arrest (%)</b>	<b>N=46263</b>
Home/Residence	32863 (71.0)
Nursing Home	6741 (14.6)
Public Setting	6659 (14.4)
<b>Arrest witnessed (%)</b>	<b>N=46260</b>
Bystander Witnessed	16774 (36.3)
Witnessed by 911 Responder	5062 (10.9)
Unwitnessed	24424 (52.8)
<b>Who Initiated CPR? (%)</b>	<b>N=46262</b>
Not Applicable	18 (0.0)
Bystander	18545 (40.1)
First Responder	11897 (25.7)
Emergency Medical Services (EMS)	15802 (34.2)
<b>Was an AED applied prior to EMS arrival? (%)</b>	<b>N=46262</b>
Yes	15542 (33.6)
No	30720 (66.4)
<b>Who first applied automated external defibrillator? (%)</b>	<b>N=15527</b>
Bystander	3867 (24.9)
First Responder	11660 (75.1)
<b>Who first defibrillated the patient?* (%)</b>	<b>N=46114</b>
Not Applicable	31843 (69.1)
Bystander	805 (1.7)
First Responder	2806 (6.1)
Responding EMS Personnel	10660 (23.1)
<b>First Arrest Rhythm (%)</b>	<b>N=46262</b>
Vfib/Vtach/Unknown Shockable Rhythm	7976 (17.2)
Asystole	22523 (48.7)
Idioventricular/PEA	8117 (17.5)
Unknown Unshockable Rhythm	7646 (16.5)
<b>Sustained ROSC (%)</b>	<b>N=46257</b>
Yes	12950 (28.0)
No	33307 (72.0)
<b>Was hypothermia care provided in the field? (%)</b>	<b>N=46253</b>
Yes	329 (0.7)
No	45924 (99.3)
<b>Pre-hospital Outcome (%)</b>	<b>N=46263</b>
Pronounced in the Field	17552 (37.9)
Pronounced in ED	5177 (11.2)
Ongoing Resuscitation in ED	23534 (50.9)
<b>Overall Survival (%)</b>	<b>N=46263</b>
Overall Survival to Hospital Admission	11721 (25.3)
Overall Survival to Hospital Discharge	3849 (8.3)
With Good or Moderate Cerebral Performance	3133 (6.8)
Missing hospital outcome	15
<b>Utstein<sup>1</sup> Survival (%)</b>	<b>N=4579</b>
	28.4%
<b>Utstein Bystander<sup>2</sup> Survival (%)</b>	<b>N=2597</b>
	32.1%

*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)*