

CARES Summary Report

Demographic and Survival Characteristics of OHCA

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

Data	Michigan N=9290
Age	N=9288
Mean	63.7
Median	66.0
Gender (%)	N=9290
Female	3668 (39.5)
Male	5621 (60.5)
Race (%)	N=9270
American-Indian/Alaskan	12 (0.1)
Asian	64 (0.7)
Black/African-American	2720 (29.3)
Hispanic/Latino	115 (1.2)
Native Hawaiian/Pacific Islander	9 (0.1)
White	5318 (57.4)
Multi-racial	2 (0.0)
Unknown	1031 (11.1)
Location of Arrest (%)	N=9290
Home/Residence	6718 (72.3)
Nursing Home	1396 (15.0)
Public Setting	1176 (12.7)
Arrest witnessed (%)	N=9290
Bystander Witnessed	3331 (35.9)
Witnessed by 911 Responder	1028 (11.1)
Unwitnessed	4931 (53.1)
Who Initiated CPR? (%)	N=9290
Not Applicable	0 (0.0)
Bystander	3781 (40.7)
First Responder	2337 (25.2)
Emergency Medical Services (EMS)	3172 (34.1)
Was an AED applied prior to EMS arrival? (%)	N=9289
Yes	3157 (34.0)
No	6132 (66.0)
Who first applied automated external defibrillator? (%)	N=3155
Bystander	902 (28.6)
First Responder	2253 (71.4)
Who first defibrillated the patient?* (%)	N=9290
Not Applicable	6583 (70.9)
Bystander	161 (1.7)
First Responder	526 (5.7)
Responding EMS Personnel	2020 (21.7)
First Arrest Rhythm (%)	N=9290
Vfib/Vtach/Unknown Shockable Rhythm	1424 (15.3)
Asystole	4890 (52.6)
Idioventricular/PEA	1604 (17.3)
Unknown Unshockable Rhythm	1372 (14.8)
Sustained ROSC (%)	N=9290
Yes	2382 (25.6)
No	6908 (74.4)
Was hypothermia care provided in the field? (%)	N=9290
Yes	114 (1.2)
No	9176 (98.8)
Pre-hospital Outcome (%)	N=9290
Pronounced in the Field	4858 (52.3)
Pronounced in ED	714 (7.7)
Ongoing Resuscitation in ED	3718 (40.0)
Overall Survival (%)	N=9290
Overall Survival to Hospital Admission	2023 (21.8)
Overall Survival to Hospital Discharge	658 (7.1)
With Good or Moderate Cerebral Performance	537 (5.8)
Missing hospital outcome	0
Utstein¹ Survival (%)	N=839
	27.4%
Utstein Bystander² Survival (%)	N=477
	30.2%

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)