

CARES Summary Report

Demographic and Survival Characteristics of OHCA

Non-Traumatic Etiology | Arrest Witness Status: All | Date of Arrest: 01/01/13 - 12/31/21

Data	Michigan N=54733
Age	N=54704
Mean	62.9
Median	65.0
Gender (%)	N=54726
Female	21388 (39.1)
Male	33329 (60.9)
Race (%)	N=54607
American-Indian/Alaskan	127 (0.2)
Asian	316 (0.6)
Black/African-American	14526 (26.6)
Hispanic/Latino	716 (1.3)
Native Hawaiian/Pacific Islander	54 (0.1)
White	30117 (55.2)
Multi-racial	51 (0.1)
Unknown	8701 (15.9)
Location of Arrest (%)	N=54733
Home/Residence	39274 (71.8)
Nursing Home	7656 (14.0)
Public Setting	7803 (14.3)
Arrest witnessed (%)	N=54731
Bystander Witnessed	19990 (36.5)
Witnessed by 911 Responder	5956 (10.9)
Unwitnessed	28785 (52.6)
Who Initiated CPR? (%)	N=54732
Not Applicable	22 (0.0)
Bystander	22080 (40.3)
First Responder	14142 (25.8)
Emergency Medical Services (EMS)	18488 (33.8)
Was an AED applied prior to EMS arrival? (%)	N=54732
Yes	18449 (33.7)
No	36283 (66.3)
Who first applied automated external defibrillator? (%)	N=18432
Bystander	4566 (24.8)
First Responder	13866 (75.2)
Who first defibrillated the patient?* (%)	N=54579
Not Applicable	37888 (69.4)
Bystander	939 (1.7)
First Responder	3252 (6.0)
Responding EMS Personnel	12500 (22.9)
First Arrest Rhythm (%)	N=54732
Vfib/Vtach/Unknown Shockable Rhythm	9254 (16.9)
Asystole	26708 (48.8)
Idioventricular/PEA	9718 (17.8)
Unknown Unshockable Rhythm	9052 (16.5)
Sustained ROSC (%)	N=54727
Yes	15361 (28.1)
No	39366 (71.9)
Was hypothermia care provided in the field? (%)	N=54723
Yes	453 (0.8)
No	54270 (99.2)
Pre-hospital Outcome (%)	N=54733
Pronounced in the Field	21640 (39.5)
Pronounced in ED	5650 (10.3)
Ongoing Resuscitation in ED	27443 (50.1)
Overall Survival (%)	N=54733
Overall Survival to Hospital Admission	13719 (25.1)
Overall Survival to Hospital Discharge	4505 (8.2)
With Good or Moderate Cerebral Performance	3697 (6.8)
Missing hospital outcome	17
Utstein¹ Survival (%)	N=5344
	28.5%
Utstein Bystander² Survival (%)	N=3050
	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.*

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)