

CARES Summary Report

Demographic and Survival Characteristics of OHCA

Non-Traumatic Etiology | Arrest Witness Status: All | Service Date: 01/01/13 - 12/31/19

Data	Michigan N=35797
Age	N=35774
Mean	62.7
Median	65.0
Gender (%)	N=35790
Female	14082 (39.3)
Male	21708 (60.7)
Race (%)	N=35691
American-Indian/Alaskan	87 (0.2)
Asian	192 (0.5)
Black/African-American	9079 (25.4)
Hispanic/Latino	403 (1.1)
Native Hawaiian/Pacific Islander	30 (0.1)
White	19354 (54.2)
Unknown	6546 (18.3)
Location of Arrest (%)	N=35797
Home/Residence	25231 (70.5)
Nursing Home	5220 (14.6)
Public Setting	5346 (14.9)
Arrest witnessed (%)	N=35796
Bystander Witnessed	13018 (36.4)
Witnessed by 911 Responder	3947 (11.0)
Unwitnessed	18831 (52.6)
Who Initiated CPR? (%)	N=35797
Not Applicable	19 (0.1)
Bystander	14356 (40.1)
First Responder	9116 (25.5)
Emergency Medical Services (EMS)	12306 (34.4)
Was an AED applied prior to EMS arrival? (%)	N=35797
Yes	11839 (33.1)
No	23958 (66.9)
Who first applied automated external defibrillator? (%)	N=11824
Bystander	2883 (24.4)
First Responder	8941 (75.6)
Who first defibrillated the patient?* (%)	N=35648
Not Applicable	24478 (68.7)
Bystander	630 (1.8)
First Responder	2192 (6.1)
Responding EMS Personnel	8348 (23.4)
First Arrest Rhythm (%)	N=35795
Vfib/Vtach/Unknown Shockable Rhythm	6357 (17.8)
Asystole	17171 (48.0)
Idioventricular/PEA	6391 (17.9)
Unknown Unshockable Rhythm	5876 (16.4)
Sustained ROSC (%)	N=35791
Yes	10253 (28.6)
No	25538 (71.4)
Was hypothermia care provided in the field? (%)	N=35786
Yes	213 (0.6)
No	35573 (99.4)
Pre-hospital Outcome (%)	N=35797
Pronounced in the Field	12218 (34.1)
Pronounced in ED	4441 (12.4)
Ongoing Resuscitation in ED	19138 (53.5)
Overall Survival (%)	N=35797
Overall Survival to Hospital Admission	9444 (26.4)
Overall Survival to Hospital Discharge	3090 (8.6)
With Good or Moderate Cerebral Performance	2513 (7.0)
Missing hospital outcome	14
Utstein¹ Survival (%)	N=3624
	28.5%
Utstein Bystander² Survival (%)	N=2063
	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)