

# CARES Summary Report

## Demographic and Survival Characteristics of OHCA

End of the Event: Dead in Field, Pronounced Dead in ED, Ongoing Resuscitation in ED | Arrest Witness Status: All | Resuscitation Attempted by 911 Responder: Yes | Presumed Cardiac Arrest Etiology: Presumed Cardiac Etiology, Respiratory/Asphyxia, Drowning/Submersion, Electrocution, Other, Drug Overdose, Exsanguination/Hemorrhage | Service Date: 01/01/17 - 12/31/17

Data	National N=76215
<b>Age</b>	<b>N=76184</b>
Mean	62.0
Median	64.0
<b>Gender (%)</b>	<b>N=76210</b>
Female	28962 (38.0)
Male	47248 (62.0)
<b>Race (%)</b>	<b>N=76174</b>
American-Indian/Alaskan	270 (0.4)
Asian	1518 (2.0)
Black/African-American	17307 (22.7)
Hispanic/Latino	4111 (5.4)
Native Hawaiian/Pacific Islander	304 (0.4)
White	36339 (47.7)
Unknown	16325 (21.4)
<b>Location of Arrest (%)</b>	<b>N=76215</b>
Home/Residence	53240 (69.9)
Nursing Home	8668 (11.4)
Public Setting	14307 (18.8)
<b>Arrest witnessed (%)</b>	<b>N=76215</b>
Bystander Witnessed	27887 (36.6)
Witnessed by 911 Responder	9380 (12.3)
Unwitnessed	38948 (51.1)
<b>Who Initiated CPR? (%)</b>	<b>N=76215</b>
Not Applicable	48 (0.1)
Bystander	30063 (39.4)
First Responder	22309 (29.3)
Emergency Medical Services (EMS)	23795 (31.2)
<b>Was an AED applied prior to EMS arrival? (%)</b>	<b>N=76210</b>
Yes	22056 (28.9)
No	54154 (71.1)
<b>Who first applied automated external defibrillator? (%)</b>	<b>N=22036</b>
Bystander	4595 (20.9)
First Responder	17441 (79.1)
<b>Who first defibrillated the patient?* (%)</b>	<b>N=74891</b>
Not Applicable	52196 (69.7)
Bystander	1178 (1.6)
First Responder	4244 (5.7)
Responding EMS Personnel	17273 (23.1)
<b>First Arrest Rhythm (%)</b>	<b>N=76209</b>
Vfib/Vtach/Unknown Shockable Rhythm	14019 (18.4)
Asystole	38237 (50.2)
Idioventricular/PEA	16146 (21.2)
Unknown Unshockable Rhythm	7807 (10.2)
<b>Sustained ROSC (%)</b>	<b>N=76214</b>
Yes	24249 (31.8)
No	51965 (68.2)
<b>Was hypothermia care provided in the field? (%)</b>	<b>N=76214</b>
Yes	3871 (5.1)
No	72343 (94.9)
<b>Pre-hospital Outcome (%)</b>	<b>N=76215</b>
Pronounced in the Field	27219 (35.7)
Pronounced in ED	11006 (14.4)
Ongoing Resuscitation in ED	37990 (49.8)
<b>Overall Survival (%)</b>	<b>N=76215</b>
Overall Survival to Hospital Admission	21414 (28.1)
Overall Survival to Hospital Discharge	7949 (10.4)
With Good or Moderate Cerebral Performance	6392 (8.4)
Missing hospital outcome	173
<b>Utstein<sup>1</sup> Survival (%)</b>	<b>N=8380</b>
	32.6%
<b>Utstein Bystander<sup>2</sup> Survival (%)</b>	<b>N=4935</b>
	36.5%

*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)