

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: 01/01/18 - 12/31/18

Data	National N=81864
Age	N=81839
Mean	62.2
Median	64.0
Gender (%)	N=81862
Female	31010 (37.9)
Male	50852 (62.1)
Race (%)	N=81849
American-Indian/Alaskan	321 (0.4)
Asian	1811 (2.2)
Black/African-American	19456 (23.8)
Hispanic/Latino	5122 (6.3)
Native Hawaiian/Pacific Islander	359 (0.4)
White	40880 (49.9)
Unknown	13900 (17.0)
Location of Arrest (%)	N=81864
Home/Residence	57476 (70.2)
Nursing Home	9116 (11.1)
Public Setting	15272 (18.7)
Arrest witnessed (%)	N=81863
Bystander Witnessed	30568 (37.3)
Witnessed by 911 Responder	10246 (12.5)
Unwitnessed	41048 (50.1)
Who Initiated CPR? (%)	N=81864
Not Applicable	51 (0.1)
Bystander	32776 (40.0)
First Responder	23708 (29.0)
Emergency Medical Services (EMS)	25329 (30.9)
Was an AED applied prior to EMS arrival? (%)	N=81863
Yes	24100 (29.4)
No	57763 (70.6)
Who first applied automated external defibrillator? (%)	N=24092
Bystander	5207 (21.6)
First Responder	18885 (78.4)
Who first defibrillated the patient?* (%)	N=80509
Not Applicable	56042 (69.6)
Bystander	1403 (1.7)
First Responder	4668 (5.8)
Responding EMS Personnel	18396 (22.8)
First Arrest Rhythm (%)	N=81852
Vfib/Vtach/Unknown Shockable Rhythm	15088 (18.4)
Asystole	41187 (50.3)
Idioventricular/PEA	17811 (21.8)
Unknown Unshockable Rhythm	7766 (9.5)
Sustained ROSC (%)	N=81864
Yes	25491 (31.1)
No	56373 (68.9)
Was hypothermia care provided in the field? (%)	N=81864
Yes	3409 (4.2)
No	78455 (95.8)
Pre-hospital Outcome (%)	N=81864
Pronounced in the Field	29200 (35.7)
Pronounced in ED	11881 (14.5)
Ongoing Resuscitation in ED	40783 (49.8)
Overall Survival (%)	N=81864
Overall Survival to Hospital Admission	23083 (28.2)
Overall Survival to Hospital Discharge	8490 (10.4)
With Good or Moderate Cerebral Performance	6729 (8.2)
Missing hospital outcome	158
Utstein¹ Survival (%)	N=9046
	33.3%
Utstein Bystander² Survival (%)	N=5305
	37.3%

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)