

# 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, Electrocutation, Other, Drug Overdose, Exsanguination/Hemorrhage | Service Date: 01/01/18 - 12/31/18

Data	Clackamas N=216	Oregon N=2300	National N=81864
<b>Age</b>	<b>N=216</b>	<b>N=2300</b>	<b>N=81839</b>
Mean	63.7	62.5	62.2
Median	66.0	65.0	64.0
<b>Gender (%)</b>	<b>N=216</b>	<b>N=2300</b>	<b>N=81862</b>
Female	79 (36.6)	830 (36.1)	31010 (37.9)
Male	137 (63.4)	1470 (63.9)	50852 (62.1)
<b>Race (%)</b>	<b>N=216</b>	<b>N=2300</b>	<b>N=81849</b>
American-Indian/Alaskan	0 (0.0)	3 (0.1)	321 (0.4)
Asian	9 (4.2)	42 (1.8)	1811 (2.2)
Black/African-American	3 (1.4)	64 (2.8)	19456 (23.8)
Hispanic/Latino	10 (4.6)	64 (2.8)	5122 (6.3)
Native Hawaiian/Pacific Islander	1 (0.5)	4 (0.2)	359 (0.4)
White	146 (67.6)	1384 (60.2)	40880 (49.9)
Unknown	47 (21.8)	739 (32.1)	13900 (17.0)
<b>Location of Arrest (%)</b>	<b>N=216</b>	<b>N=2300</b>	<b>N=81864</b>
Home/Residence	161 (74.5)	1654 (71.9)	57476 (70.2)
Nursing Home	17 (7.9)	157 (6.8)	9116 (11.1)
Public Setting	38 (17.6)	489 (21.3)	15272 (18.7)
<b>Arrest witnessed (%)</b>	<b>N=216</b>	<b>N=2300</b>	<b>N=81863</b>
Bystander Witnessed	92 (42.6)	897 (39.0)	30568 (37.3)
Witnessed by 911 Responder	29 (13.4)	297 (12.9)	10246 (12.5)
Unwitnessed	95 (44.0)	1106 (48.1)	41048 (50.1)
<b>Who Initiated CPR? (%)</b>	<b>N=216</b>	<b>N=2300</b>	<b>N=81864</b>
Not Applicable	0 (0.0)	3 (0.1)	51 (0.1)
Bystander	96 (44.4)	1151 (50.0)	32776 (40.0)
First Responder	74 (34.3)	555 (24.1)	23708 (29.0)
Emergency Medical Services (EMS)	46 (21.3)	591 (25.7)	25329 (30.9)
<b>Was an AED applied prior to EMS arrival? (%)</b>	<b>N=216</b>	<b>N=2300</b>	<b>N=81863</b>
Yes	76 (35.2)	554 (24.1)	24100 (29.4)
No	140 (64.8)	1746 (75.9)	57763 (70.6)
<b>Who first applied automated external defibrillator? (%)</b>	<b>N=76</b>	<b>N=553</b>	<b>N=24092</b>
Bystander	9 (11.8)	106 (19.2)	5207 (21.6)
First Responder	67 (88.2)	447 (80.8)	18885 (78.4)
<b>Who first defibrillated the patient?* (%)</b>	<b>N=216</b>	<b>N=2300</b>	<b>N=80509</b>
Not Applicable	127 (58.8)	1411 (61.3)	56042 (69.6)
Bystander	5 (2.3)	45 (2.0)	1403 (1.7)
First Responder	48 (22.2)	204 (8.9)	4668 (5.8)
Responding EMS Personnel	36 (16.7)	640 (27.8)	18396 (22.8)
<b>First Arrest Rhythm (%)</b>	<b>N=216</b>	<b>N=2300</b>	<b>N=81852</b>
Vfib/Vtach/Unknown Shockable Rhythm	63 (29.2)	614 (26.7)	15088 (18.4)
Asystole	96 (44.4)	1089 (47.3)	41187 (50.3)
Idioventricular/PEA	43 (19.9)	516 (22.4)	17811 (21.8)
Unknown Unshockable Rhythm	14 (6.5)	81 (3.5)	7766 (9.5)
<b>Sustained ROSC (%)</b>	<b>N=216</b>	<b>N=2300</b>	<b>N=81864</b>
Yes	84 (38.9)	792 (34.4)	25491 (31.1)
No	132 (61.1)	1508 (65.6)	56373 (68.9)
<b>Was hypothermia care provided in the field? (%)</b>	<b>N=216</b>	<b>N=2300</b>	<b>N=81864</b>
Yes	6 (2.8)	98 (4.3)	3409 (4.2)
No	210 (97.2)	2202 (95.7)	78455 (95.8)
<b>Pre-hospital Outcome (%)</b>	<b>N=216</b>	<b>N=2300</b>	<b>N=81864</b>
Pronounced in the Field	70 (32.4)	856 (37.2)	29200 (35.7)
Pronounced in ED	23 (10.6)	165 (7.2)	11881 (14.5)
Ongoing Resuscitation in ED	123 (56.9)	1279 (55.6)	40783 (49.8)
<b>Overall Survival (%)</b>	<b>N=216</b>	<b>N=2300</b>	<b>N=81864</b>
Overall Survival to Hospital Admission	80 (37.0)	767 (33.3)	23083 (28.2)
Overall Survival to Hospital Discharge	38 (17.6)	334 (14.5)	8490 (10.4)
With Good or Moderate Cerebral Performance	37 (17.1)	315 (13.7)	6729 (8.2)
Missing hospital outcome	0	3	158
<b>Utstein<sup>1</sup> Survival (%)</b>	<b>N=44</b>	<b>N=369</b>	<b>N=9046</b>
	50.0%	39.0%	33.3%
<b>Utstein Bystander<sup>2</sup> Survival (%)</b>	<b>N=30</b>	<b>N=269</b>	<b>N=5305</b>
	56.7%	42.0%	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.

<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)