

CARES Summary Report

Demographic and Survival Characteristics of OHCA

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

Data	Mid-Columbia Fire and Rescue N=20	Oregon N=3050	National N=146924
Age	N=20	N=3050	N=146891
Mean	65.7	61.2	61.9
Median	65.0	64.0	64.0
Gender (%)	N=20	N=3050	N=146918
Female	6 (30.0)	984 (32.3)	55012 (37.4)
Male	14 (70.0)	2063 (67.6)	91864 (62.5)
Race (%)	N=20	N=3050	N=146922
American-Indian/Alaskan	0 (0.0)	12 (0.4)	525 (0.4)
Asian	0 (0.0)	61 (2.0)	3645 (2.5)
Black/African-American	1 (5.0)	79 (2.6)	31938 (21.7)
Hispanic/Latino	0 (0.0)	112 (3.7)	12593 (8.6)
Native Hawaiian/Pacific Islander	0 (0.0)	16 (0.5)	802 (0.5)
White	15 (75.0)	1643 (53.9)	73319 (49.9)
Multi-racial	0 (0.0)	1 (0.0)	500 (0.3)
Unknown	4 (20.0)	1126 (36.9)	23600 (16.1)
Location of Arrest (%)	N=20	N=3050	N=146922
Home/Residence	11 (55.0)	2305 (75.6)	108245 (73.7)
Nursing Home	2 (10.0)	145 (4.8)	14754 (10.0)
Public Setting	7 (35.0)	600 (19.7)	23923 (16.3)
Arrest witnessed (%)	N=20	N=3050	N=146916
Bystander Witnessed	8 (40.0)	1247 (40.9)	55064 (37.5)
Witnessed by 911 Responder	4 (20.0)	328 (10.8)	17845 (12.1)
Unwitnessed	8 (40.0)	1475 (48.4)	74007 (50.4)
Who Initiated CPR? (%)	N=20	N=3050	N=146920
Not Applicable	0 (0.0)	10 (0.3)	62 (0.0)
Bystander	8 (40.0)	1554 (51.0)	59738 (40.7)
First Responder	4 (20.0)	766 (25.1)	45464 (30.9)
Emergency Medical Services (EMS)	8 (40.0)	720 (23.6)	41656 (28.4)
Was an AED applied prior to EMS arrival? (%)	N=20	N=3050	N=146922
Yes	1 (5.0)	492 (16.1)	40753 (27.7)
No	19 (95.0)	2558 (83.9)	106169 (72.3)
Who first applied automated external defibrillator? (%)	N=1	N=490	N=40728
Bystander	1 (100.0)	121 (24.7)	8422 (20.7)
First Responder	0 (0.0)	369 (75.3)	32306 (79.3)
Who first defibrillated the patient?* (%)	N=20	N=3050	N=145919
Not Applicable	9 (45.0)	2023 (66.3)	104038 (71.3)
Bystander	0 (0.0)	51 (1.7)	1911 (1.3)
First Responder	0 (0.0)	211 (6.9)	7940 (5.4)
Responding EMS Personnel	11 (55.0)	765 (25.1)	32030 (22.0)
First Arrest Rhythm (%)	N=20	N=3046	N=146895
Vfib/Vtach/Unknown Shockable Rhythm	7 (35.0)	667 (21.9)	24083 (16.4)
Asystole	7 (35.0)	1533 (50.3)	77581 (52.8)
Idioventricular/PEA	6 (30.0)	703 (23.1)	32544 (22.2)
Unknown Unshockable Rhythm	0 (0.0)	143 (4.7)	12687 (8.6)
Sustained ROSC (%)	N=20	N=3050	N=146864
Yes	7 (35.0)	960 (31.5)	39820 (27.1)
No	13 (65.0)	2090 (68.5)	107044 (72.9)
Was hypothermia care provided in the field? (%)	N=20	N=3050	N=146914
Yes	3 (15.0)	130 (4.3)	4127 (2.8)
No	17 (85.0)	2920 (95.7)	142787 (97.2)
Pre-hospital Outcome (%)	N=20	N=3050	N=146924
Pronounced in the Field	3 (15.0)	1356 (44.5)	62260 (42.4)
Pronounced in ED	0 (0.0)	172 (5.6)	14711 (10.0)
Ongoing Resuscitation in ED	17 (85.0)	1522 (49.9)	69953 (47.6)
Overall Survival (%)	N=20	N=3050	N=146924
Overall Survival to Hospital Admission	8 (40.0)	872 (28.6)	36294 (24.7)
Overall Survival to Hospital Discharge	4 (20.0)	381 (12.5)	13403 (9.1)
With Good or Moderate Cerebral Performance	4 (20.0)	357 (11.7)	10532 (7.2)
Missing hospital outcome	0	0	305
Utstein¹ Survival (%)	N=5	N=397	N=14251
60.0%	60.0%	31.7%	29.0%
Utstein Bystander² Survival (%)	N=2	N=278	N=8370
100.0%	100.0%	34.2%	32.5%

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.

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)