

CARES Summary Report

Demographic and Survival Characteristics of OHCA

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

Data	Sacramento County EMS Agency N=922	California N=16100	National N=100956
Age	N=922	N=16095	N=100923
Mean	62.6	63.7	62.4
Median	65.0	66.0	65.0
Gender (%)	N=920	N=16098	N=100950
Female	346 (37.6)	5809 (36.1)	38128 (37.8)
Male	574 (62.4)	10289 (63.9)	62822 (62.2)
Race (%)	N=922	N=16100	N=100914
American-Indian/Alaskan	1 (0.1)	52 (0.3)	384 (0.4)
Asian	64 (6.9)	854 (5.3)	2134 (2.1)
Black/African-American	130 (14.1)	1545 (9.6)	22750 (22.5)
Hispanic/Latino	41 (4.4)	2351 (14.6)	6803 (6.7)
Native Hawaiian/Pacific Islander	4 (0.4)	121 (0.8)	439 (0.4)
White	358 (38.8)	6785 (42.1)	50985 (50.5)
Unknown	324 (35.1)	4392 (27.3)	17419 (17.3)
Location of Arrest (%)	N=922	N=16100	N=100955
Home/Residence	685 (74.3)	11524 (71.6)	71109 (70.4)
Nursing Home	81 (8.8)	1617 (10.0)	10991 (10.9)
Public Setting	156 (16.9)	2959 (18.4)	18855 (18.7)
Arrest witnessed (%)	N=922	N=16100	N=100955
Bystander Witnessed	383 (41.5)	6049 (37.6)	38344 (38.0)
Witnessed by 911 Responder	88 (9.5)	1872 (11.6)	12605 (12.5)
Unwitnessed	451 (48.9)	8179 (50.8)	50006 (49.5)
Who Initiated CPR? (%)	N=922	N=16100	N=100948
Not Applicable	0 (0.0)	7 (0.0)	51 (0.1)
Bystander	515 (55.9)	6884 (42.8)	41962 (41.6)
First Responder	115 (12.5)	5088 (31.6)	28207 (27.9)
Emergency Medical Services (EMS)	292 (31.7)	4121 (25.6)	30728 (30.4)
Was an AED applied prior to EMS arrival? (%)	N=922	N=16100	N=100953
Yes	61 (6.6)	2585 (16.1)	29104 (28.8)
No	861 (93.4)	13515 (83.9)	71849 (71.2)
Who first applied automated external defibrillator? (%)	N=61	N=2585	N=29069
Bystander	47 (77.0)	577 (22.3)	6552 (22.5)
First Responder	14 (23.0)	2008 (77.7)	22517 (77.5)
Who first defibrillated the patient?* (%)	N=922	N=16100	N=99622
Not Applicable	657 (71.3)	11409 (70.9)	68516 (68.8)
Bystander	12 (1.3)	228 (1.4)	1729 (1.7)
First Responder	5 (0.5)	937 (5.8)	6017 (6.0)
Responding EMS Personnel	248 (26.9)	3526 (21.9)	23360 (23.4)
First Arrest Rhythm (%)	N=922	N=16100	N=100943
Vfib/Vtach/Unknown Shockable Rhythm	157 (17.0)	2965 (18.4)	19084 (18.9)
Asystole	514 (55.7)	8751 (54.4)	50281 (49.8)
Idioventricular/PEA	238 (25.8)	3759 (23.3)	22382 (22.2)
Unknown Unshockable Rhythm	13 (1.4)	625 (3.9)	9196 (9.1)
Sustained ROSC (%)	N=922	N=16100	N=100936
Yes	199 (21.6)	4270 (26.5)	31029 (30.7)
No	723 (78.4)	11830 (73.5)	69907 (69.3)
Was hypothermia care provided in the field? (%)	N=922	N=16100	N=100954
Yes	12 (1.3)	75 (0.5)	3395 (3.4)
No	910 (98.7)	16025 (99.5)	97559 (96.6)
Pre-hospital Outcome (%)	N=922	N=16100	N=100953
Pronounced in the Field	231 (25.1)	6557 (40.7)	36730 (36.4)
Pronounced in ED	219 (23.8)	1680 (10.4)	13392 (13.3)
Ongoing Resuscitation in ED	472 (51.2)	7863 (48.8)	50831 (50.4)
Overall Survival (%)	N=922	N=16100	N=100956
Overall Survival to Hospital Admission	241 (26.1)	4210 (26.1)	28188 (27.9)
Overall Survival to Hospital Discharge	59 (6.4)	1447 (9.0)	10641 (10.5)
With Good or Moderate Cerebral Performance	52 (5.6)	1211 (7.5)	8569 (8.5)
Missing hospital outcome	0	29	174
Utstein¹ Survival (%)	N=102	N=1761	N=11471
	21.6%	32.1%	33.2%
Utstein Bystander² Survival (%)	N=72	N=1079	N=6948
	19.4%	36.1%	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)