

CARES Summary Report

Demographic and Survival Characteristics of OHCA

Non-Traumatic Etiology | Arrest Witness Status: All | Date of Arrest: From 01/01/2020 Through 12/31/2021

Data	Cloverdale Health Care District Ambulance N=14	Coastal Valley EMS Agency (2020 +) N=965	Sonoma N=800	California N=48046	National N=276206
Age	N=14	N=965	N=800	N=48043	N=276132
Mean	70.0	61.3	61.5	63.1	62.1
Median	71.0	63.0	64.0	65.0	65.0
Gender (%)	N=14	N=965	N=800	N=48046	N=276194
Female	8 (57.1)	307 (31.8)	249 (31.1)	17148 (35.7)	103856 (37.6)
Male	6 (42.9)	658 (68.2)	551 (68.9)	30888 (64.3)	172290 (62.4)
Race (%)	N=14	N=965	N=800	N=48046	N=276141
American-Indian/Alaskan	0 (0.0)	8 (0.8)	1 (0.1)	162 (0.3)	974 (0.4)
Asian	0 (0.0)	19 (2.0)	18 (2.3)	2804 (5.8)	6604 (2.4)
Black/African-American	0 (0.0)	20 (2.1)	16 (2.0)	4770 (9.9)	61695 (22.3)
Hispanic/Latino	3 (21.4)	103 (10.7)	88 (11.0)	8320 (17.3)	22972 (8.3)
Native Hawaiian/Pacific Islander	0 (0.0)	5 (0.5)	4 (0.5)	353 (0.7)	1396 (0.5)
White	11 (78.6)	613 (63.5)	499 (62.4)	17213 (35.8)	139469 (50.5)
Multi-racial	0 (0.0)	0 (0.0)	0 (0.0)	98 (0.2)	532 (0.2)
Unknown	0 (0.0)	197 (20.4)	174 (21.8)	14330 (29.8)	42513 (15.4)
Location of Arrest (%)	N=14	N=965	N=800	N=48045	N=276202
Home/Residence	11 (78.6)	689 (71.4)	561 (70.1)	35850 (74.6)	204150 (73.9)
Nursing Home	1 (7.1)	56 (5.8)	52 (6.5)	4429 (9.2)	28545 (10.3)
Public Setting	2 (14.3)	220 (22.8)	187 (23.4)	7766 (16.2)	43507 (15.8)
Arrest witnessed (%)	N=14	N=965	N=800	N=48046	N=276190
Bystander Witnessed	8 (57.1)	411 (42.6)	334 (41.8)	18012 (37.5)	102963 (37.3)
Witnessed by 911 Responder	1 (7.1)	114 (11.8)	101 (12.6)	5549 (11.5)	34438 (12.5)
Unwitnessed	5 (35.7)	440 (45.6)	365 (45.6)	24485 (51.0)	138789 (50.3)
Who Initiated CPR? (%)	N=14	N=965	N=800	N=48046	N=276187
Not Applicable	0 (0.0)	2 (0.2)	2 (0.3)	16 (0.0)	117 (0.0)
Bystander	9 (64.3)	484 (50.2)	399 (49.9)	19610 (40.8)	112428 (40.7)
First Responder	4 (28.6)	304 (31.5)	245 (30.6)	15461 (32.2)	81843 (29.6)
Emergency Medical Services (EMS)	1 (7.1)	175 (18.1)	154 (19.3)	12959 (27.0)	81799 (29.6)
Was an AED applied prior to EMS arrival? (%)	N=14	N=965	N=800	N=48046	N=276200
Yes	8 (57.1)	232 (24.0)	174 (21.8)	7192 (15.0)	74908 (27.1)
No	6 (42.9)	733 (76.0)	626 (78.3)	40854 (85.0)	201292 (72.9)
Who first applied automated external defibrillator? (%)	N=8	N=232	N=174	N=7192	N=74846
Bystander	0 (0.0)	44 (19.0)	37 (21.3)	1279 (17.8)	15883 (21.2)
First Responder	8 (100.0)	188 (81.0)	137 (78.7)	5913 (82.2)	58963 (78.8)
Who first defibrillated the patient?* (%)	N=14	N=965	N=800	N=48046	N=273894
Not Applicable	9 (64.3)	657 (68.1)	539 (67.4)	35454 (73.8)	195723 (71.5)
Bystander	0 (0.0)	10 (1.0)	9 (1.1)	386 (0.8)	3526 (1.3)
First Responder	5 (35.7)	75 (7.8)	60 (7.5)	2357 (4.9)	14447 (5.3)
Responding EMS Personnel	0 (0.0)	223 (23.1)	192 (24.0)	9849 (20.5)	60198 (22.0)
First Arrest Rhythm (%)	N=14	N=964	N=799	N=48043	N=276159
Vfib/Vtach/Unknown Shockable Rhythm	5 (35.7)	222 (23.0)	181 (22.7)	7277 (15.1)	45364 (16.4)
Asystole	4 (28.6)	403 (41.8)	340 (42.6)	28134 (58.6)	146337 (53.0)
Idioventricular/PEA	2 (14.3)	218 (22.6)	200 (25.0)	10751 (22.4)	61196 (22.2)
Unknown Unshockable Rhythm	3 (21.4)	121 (12.6)	78 (9.8)	1881 (3.9)	23262 (8.4)
Sustained ROSC (%)	N=14	N=965	N=800	N=48046	N=276099
Yes	5 (35.7)	245 (25.4)	212 (26.5)	10854 (22.6)	74946 (27.1)
No	9 (64.3)	720 (74.6)	588 (73.5)	37192 (77.4)	201153 (72.9)
Was hypothermia care provided in the field? (%)	N=14	N=965	N=800	N=48039	N=276195
Yes	0 (0.0)	0 (0.0)	0 (0.0)	277 (0.6)	8763 (3.2)
No	14 (100.0)	965 (100.0)	800 (100.0)	47762 (99.4)	267432 (96.8)
Pre-hospital Outcome (%)	N=14	N=965	N=800	N=48046	N=276206
Pronounced in the Field	9 (64.3)	565 (58.5)	449 (56.1)	24157 (50.3)	116884 (42.3)
Pronounced in ED	0 (0.0)	59 (6.1)	55 (6.9)	3454 (7.2)	30185 (10.9)
Ongoing Resuscitation in ED	5 (35.7)	341 (35.3)	296 (37.0)	20435 (42.5)	129137 (46.8)
Overall Survival (%)	N=14	N=965	N=800	N=48046	N=276206
Overall Survival to Hospital Admission	4 (28.6)	236 (24.5)	213 (26.6)	10407 (21.7)	67485 (24.4)
Overall Survival to Hospital Discharge	4 (28.6)	110 (11.4)	98 (12.3)	3738 (7.8)	25081 (9.1)
With Good or Moderate Cerebral Performance	3 (21.4)	105 (10.9)	94 (11.8)	2941 (6.1)	19763 (7.2)
Missing hospital outcome	0	0	0	104	473
Utstein¹ Survival (%)	N=5	N=141	N=115	N=4208	N=26685
	60.0%	31.2%	33.9%	28.6%	29.1%
Utstein Bystander² Survival (%)	N=3	N=94	N=81	N=2455	N=15747
	33.3%	33.0%	33.3%	32.1%	32.7%

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

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²*Witnessed by bystander, found in shockable rhythm, and received some bystander intervention (CPR by bystander and/or AED applied by bystander)*