

CARES Summary Report

Demographic and Survival Characteristics of OHCA

End of the Event: Dead in Field, Pronounced Dead in ED, Ongoing Resuscitation in ED | Resuscitation Attempted by 911 Responder: Yes | Presumed Cardiac Arrest Etiology: Presumed Cardiac Etiology | Service Date: From 1/1/13 Through 12/31/13

Data	Washington DC Fire N=549	National N=31127
Age	N=544	N=31096
Mean	64.3	64.5
Median	65.0	66.0
Gender (%)	N=549	N=31124
Female	246 (44.8)	11997 (38.5)
Male	303 (55.2)	19127 (61.5)
Race (%)	N=549	N=31115
American-Indian/Alaskan	6 (1.1)	135 (0.4)
Asian	4 (0.7)	473 (1.5)
Black/African-American	411 (74.9)	5946 (19.1)
Hispanic/Latino	15 (2.7)	1979 (6.4)
Native Hawaiian/Pacific Islander	1 (0.2)	221 (0.7)
White	53 (9.7)	14434 (46.4)
Unknown	59 (10.7)	7927 (25.5)
Location of Arrest (%)	N=549	N=31127
Healthcare Facility	16 (2.9)	1493 (4.8)
Home/Residence	373 (67.9)	21618 (69.5)
Industrial Place	0 (0.0)	172 (0.6)
Nursing Home	78 (14.2)	3353 (10.8)
Other	0 (0.0)	224 (0.7)
Place of Recreation	4 (0.7)	468 (1.5)
Public/Commercial Building	34 (6.2)	2247 (7.2)
Street/Highway	42 (7.7)	1460 (4.7)
Transport Center	2 (0.4)	92 (0.3)
Arrest witnessed (%)	N=549	N=31125
Bystander Witnessed	199 (36.2)	12032 (38.7)
Witnessed by EMS	78 (14.2)	3401 (10.9)
Unwitnessed	272 (49.5)	15692 (50.4)
Who Initiated CPR? (%)	N=549	N=31124
Not Applicable	0 (0.0)	44 (0.1)
Total Bystanders*	152 (27.7)	12571 (40.4)
First Responder	190 (34.6)	8272 (26.6)
Emergency Medical Services (EMS)	207 (37.7)	10237 (32.9)
Was an AED applied prior to EMS arrival? (%)	N=549	N=31125
Yes	112 (20.4)	8259 (26.5)
No	437 (79.6)	22866 (73.5)
Who first applied automated external defibrillator? (%)	N=112	N=8255
Total Bystanders*	24 (21.4)	1444 (17.5)
First Responder	88 (78.6)	6807 (82.5)
Who first defibrillated the patient?** (%)	N=549	N=28771
Not Applicable	438 (79.8)	18694 (65.0)
Total Bystanders*	5 (0.9)	473 (1.6)
First Responder	14 (2.6)	1888 (6.6)
Responding EMS Personnel	92 (16.8)	7716 (26.8)
First Arrest Rhythm (%)	N=549	N=31123
Vfib/Vtach/Unknown Shockable Rhythm	83 (15.1)	7208 (23.2)
Asystole	261 (47.5)	14385 (46.2)
Idioventricular/PEA	105 (19.1)	6347 (20.4)
Unknown Unshockable Rhythm	100 (18.2)	3183 (10.2)
Sustained ROSC (%)	N=549	N=31107
Yes	135 (24.6)	9875 (31.7)
No	414 (75.4)	21232 (68.3)
Was hypothermia care provided in the field? (%)	N=549	N=31117
Yes	12 (2.2)	4823 (15.5)
No	537 (97.8)	26294 (84.5)

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Data	Washington DC Fire N=549	National N=31127
Pre-hospital Outcome (%)	N=549	N=31127
Pronounced in the Field	40 (7.3)	8567 (27.5)
Pronounced in ED	195 (35.5)	5215 (16.8)
Ongoing Resuscitation in ED	314 (57.2)	17345 (55.7)
Overall Survival (%)	N=549	N=31127
Overall Survival to Hospital Admission	104 (18.9)	8558 (27.5)
Overall Survival to Hospital Discharge	30 (5.5)	3315 (10.6)
With Good or Moderate Cerebral Performance	27 (4.9)	2588 (8.3)
Missing hospital outcome	1	160
Utstein Survival (%)	N=46	N=4281
Witnessed by bystander and found in shockable rhythm	21.7%	33.0%
Utstein Bystander Survival (%)	N=19	N=2442
Witnessed by bystander, found in shockable rhythm, and received some bystander intervention (CPR by bystander and/or AED applied by bystander)	36.8%	38.2%

Inclusion criteria: A presumed cardiac etiology event 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.

**Total Bystanders = lay person + lay person family member + lay person medical provider.*

***This is a new question that was introduced on the 2011 form.*

PLEASE NOTE: From 2005-2012, CARES collected arrests of presumed cardiac etiology. In 2013, CARES expanded to include all non-traumatic arrests.