

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 1/1/12 Through 12/31/12

Data	Washington DC Fire N=573	National N=26487
Age	N=568	N=26444
Mean	65.7	64.1
Median	67.0	65.0
Gender (%)	N=573	N=26484
Female	273 (47.6)	10245 (38.7)
Male	300 (52.4)	16239 (61.3)
Race (%)	N=573	N=26456
American-Indian/Alaskan	6 (1.0)	106 (0.4)
Asian	2 (0.3)	447 (1.7)
Black/African-American	388 (67.7)	5321 (20.1)
Hispanic/Latino	6 (1.0)	1669 (6.3)
Native Hawaiian/Pacific Islander	0 (0.0)	160 (0.6)
White	55 (9.6)	11732 (44.3)
Unknown	116 (20.2)	7021 (26.5)
Location of Arrest (%)	N=573	N=26486
Healthcare Facility	14 (2.4)	1033 (3.9)
Home/Residence	358 (62.5)	18420 (69.5)
Industrial Place	0 (0.0)	118 (0.4)
Nursing Home	105 (18.3)	3202 (12.1)
Other	1 (0.2)	292 (1.1)
Place of Recreation	5 (0.9)	363 (1.4)
Public/Commercial Building	28 (4.9)	1717 (6.5)
Street/Highway	56 (9.8)	1259 (4.8)
Transport Center	6 (1.0)	82 (0.3)
Arrest witnessed (%)	N=573	N=26483
Bystander Witnessed	164 (28.6)	10175 (38.4)
Witnessed by EMS	63 (11.0)	2768 (10.5)
Unwitnessed	346 (60.4)	13539 (51.1)
Who Initiated CPR? (%)	N=573	N=26486
Not Applicable	0 (0.0)	51 (0.2)
Total Bystanders*	161 (28.1)	10133 (38.3)
First Responder	146 (25.5)	7349 (27.7)
Emergency Medical Services (EMS)	266 (46.4)	8953 (33.8)
Was an AED applied prior to EMS arrival? (%)	N=573	N=26485
Yes	117 (20.4)	7116 (26.9)
No	456 (79.6)	19369 (73.1)
Who first applied automated external defibrillator? (%)	N=117	N=7110
Total Bystanders*	25 (21.4)	1039 (14.6)
First Responder	92 (78.6)	6071 (85.4)
Who first defibrillated the patient?** (%)	N=573	N=22835
Not Applicable	370 (64.6)	14860 (65.1)
Total Bystanders*	8 (1.4)	363 (1.6)
First Responder	24 (4.2)	1536 (6.7)
Responding EMS Personnel	171 (29.8)	6074 (26.6)
First Arrest Rhythm (%)	N=573	N=26487
Vfib/Vtach/Unknown Shockable Rhythm	115 (20.1)	6217 (23.5)
Asystole	259 (45.2)	12572 (47.5)
Idioventricular/PEA	114 (19.9)	5545 (20.9)
Unknown Unshockable Rhythm	85 (14.8)	2153 (8.1)
Sustained ROSC (%)	N=573	N=26417
Yes	158 (27.6)	8300 (31.4)
No	415 (72.4)	18117 (68.6)
Was hypothermia care provided in the field? (%)	N=573	N=26130
Yes	3 (0.5)	3710 (14.2)
No	570 (99.5)	22420 (85.8)

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Data	Washington DC Fire N=573	National N=26487
Pre-hospital Outcome (%)	N=573	N=26487
Pronounced in the Field	0 (0.0)	6746 (25.5)
Pronounced in ED	221 (38.6)	4142 (15.6)
Ongoing Resuscitation in ED	352 (61.4)	15599 (58.9)
Overall Survival (%)	N=573	N=26487
Overall Survival to Hospital Admission	102 (17.8)	7139 (27.0)
Overall Survival to Hospital Discharge	36 (6.3)	2747 (10.4)
With Good or Moderate Cerebral Performance	29 (5.1)	2164 (8.2)
Missing hospital outcome	4	171
Utstein Survival (%)	N=47	N=3680
Witnessed by bystander and found in shockable rhythm	19.1%	32.9%
Utstein Bystander Survival (%)	N=21	N=2087
Witnessed by bystander, found in shockable rhythm, and received some bystander intervention (CPR by bystander and/or AED applied by bystander)	19.0%	38.7%

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.