

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 1/1/11 Through 12/31/11

Data	Washington DC Fire N=482	National N=16957
Age	N=477	N=16915
Mean	65.4	64.4
Median	65.0	65.0
Gender (%)	N=482	N=16952
Female	217 (45.0)	6488 (38.3)
Male	265 (55.0)	10464 (61.7)
Race (%)	N=482	N=16914
American-Indian/Alaskan	13 (2.7)	75 (0.4)
Asian	2 (0.4)	226 (1.3)
Black/African-American	308 (63.9)	3729 (22.0)
Hispanic/Latino	3 (0.6)	787 (4.7)
Native Hawaiian/Pacific Islander	1 (0.2)	126 (0.7)
White	53 (11.0)	6585 (38.9)
Unknown	102 (21.2)	5386 (31.8)
Location of Arrest (%)	N=482	N=16457
Healthcare Facility	18 (3.7)	675 (4.1)
Home/Residence	305 (63.3)	11109 (67.5)
Industrial Place	0 (0.0)	84 (0.5)
Nursing Home	83 (17.2)	2040 (12.4)
Other	0 (0.0)	318 (1.9)
Place of Recreation	2 (0.4)	226 (1.4)
Public/Commercial Building	31 (6.4)	1149 (7.0)
Street/Highway	43 (8.9)	804 (4.9)
Transport Center	0 (0.0)	52 (0.3)
Arrest witnessed (%)	N=482	N=16956
Bystander Witnessed	135 (28.0)	6204 (36.6)
Witnessed by EMS	39 (8.1)	2001 (11.8)
Unwitnessed	308 (63.9)	8751 (51.6)
Who Initiated CPR? (%)	N=482	N=16956
Not Applicable	0 (0.0)	37 (0.2)
Total Bystanders*	135 (28.0)	6496 (38.3)
First Responder	16 (3.3)	4298 (25.3)
Emergency Medical Services (EMS)	331 (68.7)	6125 (36.1)
Was an AED applied prior to EMS arrival? (%)	N=482	N=16956
Yes	31 (6.4)	4249 (25.1)
No	451 (93.6)	12707 (74.9)
Who first applied automated external defibrillator? (%)	N=31	N=4237
Total Bystanders*	23 (74.2)	718 (16.9)
First Responder	8 (25.8)	3519 (83.1)
Who first defibrillated the patient?** (%)	N=482	N=13511
Not Applicable	288 (59.8)	8565 (63.4)
Total Bystanders*	10 (2.1)	221 (1.6)
First Responder	0 (0.0)	941 (7.0)
Responding EMS Personnel	184 (38.2)	3781 (28.0)
First Arrest Rhythm (%)	N=482	N=16957
Vfib/Vtach/Unknown Shockable Rhythm	93 (19.3)	4019 (23.7)
Asystole	277 (57.5)	7943 (46.8)
Idioventricular/PEA	82 (17.0)	3634 (21.4)
Unknown Unshockable Rhythm	30 (6.2)	1361 (8.0)
Sustained ROSC (%)	N=482	N=16946
Yes	102 (21.2)	5287 (31.2)
No	380 (78.8)	11659 (68.8)
Was hypothermia care provided in the field? (%)	N=482	N=16441
Yes	0 (0.0)	1983 (12.1)
No	482 (100.0)	14458 (87.9)

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Data	Washington DC Fire N=482	National N=16957
Pre-hospital Outcome (%)	N=482	N=16957
Pronounced in the Field	4 (0.8)	4395 (25.9)
Pronounced in ED	127 (26.3)	3317 (19.6)
Ongoing Resuscitation in ED	351 (72.8)	9245 (54.5)
Overall Survival (%)	N=482	N=16957
Overall Survival to Hospital Admission	86 (17.8)	4604 (27.2)
Overall Survival to Hospital Discharge	32 (6.6)	1872 (11.0)
With Good or Moderate Cerebral Performance	24 (5.0)	1400 (8.3)
Missing hospital outcome	3	132
Utstein Survival (%)	N=43	N=2242
Witnessed by bystander and found in shockable rhythm	27.9%	31.8%
Utstein Bystander Survival (%)	N=20	N=1234
Witnessed by bystander, found in shockable rhythm, and received some bystander intervention (CPR by bystander and/or AED applied by bystander)	30.0%	35.7%

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.