

# CARES Summary Report

## Demographic and Survival Characteristics of OHCA

End of the Event: 1 | Arrest Witness Status: All | Resuscitation Attempted by 911 Responder: Yes | Presumed Cardiac Arrest Etiology: Presumed Cardiac Etiology, Respiratory, Drowning, Electrocution, Other | Service Date: From 01/01/2014 Through 12/31/2014

Data	Washington DC Fire N=612	National N=45501
<b>Age</b>	<b>N=612</b>	<b>N=45464</b>
Mean	62.7	62.9
Median	63.0	65.0
<b>Gender (%)</b>	<b>N=612</b>	<b>N=45496</b>
Female	263 (43.0)	17696 (38.9)
Male	349 (57.0)	27800 (61.1)
<b>Race (%)</b>	<b>N=612</b>	<b>N=45474</b>
American-Indian/Alaskan	43 (7.0)	257 (0.6)
Asian	4 (0.7)	830 (1.8)
Black/African-American	398 (65.0)	9543 (21.0)
Hispanic/Latino	14 (2.3)	2597 (5.7)
Native Hawaiian/Pacific Islander	1 (0.2)	238 (0.5)
White	73 (11.9)	21067 (46.3)
Unknown	79 (12.9)	10942 (24.1)
<b>Location of Arrest (%)</b>	<b>N=612</b>	<b>N=45497</b>
Home/Residence	424 (69.3)	31830 (70.0)
Nursing Home	74 (12.1)	4805 (10.6)
Public Setting	114 (18.6)	8862 (19.5)
<b>Arrest witnessed (%)</b>	<b>N=612</b>	<b>N=45496</b>
Bystander Witnessed	158 (25.8)	17133 (37.7)
Witnessed by 911 Responder	87 (14.2)	5499 (12.1)
Unwitnessed	367 (60.0)	22864 (50.3)
<b>Who Initiated CPR? (%)</b>	<b>N=612</b>	<b>N=45500</b>
Not Applicable	0 (0.0)	56 (0.1)
Bystander	138 (22.5)	18360 (40.4)
First Responder	21 (3.4)	12198 (26.8)
Emergency Medical Services (EMS)	453 (74.0)	14886 (32.7)
<b>Was an AED applied prior to EMS arrival? (%)</b>	<b>N=612</b>	<b>N=45499</b>
Yes	29 (4.7)	12316 (27.1)
No	583 (95.3)	33183 (72.9)
<b>Who first applied automated external defibrillator? (%)</b>	<b>N=29</b>	<b>N=12320</b>
Bystander	19 (65.5)	2238 (18.2)
First Responder	10 (34.5)	10070 (81.7)
<b>Who first defibrillated the patient?* (%)</b>	<b>N=612</b>	<b>N=42971</b>
Not Applicable	460 (75.2)	28707 (66.8)
Bystander	7 (1.1)	688 (1.6)
First Responder	4 (0.7)	2641 (6.1)
Responding EMS Personnel	141 (23.0)	10935 (25.4)
<b>First Arrest Rhythm (%)</b>	<b>N=612</b>	<b>N=45500</b>
Vfib/Vtach/Unknown Shockable Rhythm	81 (13.2)	9293 (20.4)
Asystole	338 (55.2)	20760 (45.6)
Idioventricular/PEA	161 (26.3)	9740 (21.4)
Unknown Unshockable Rhythm	32 (5.2)	5707 (12.5)
<b>Sustained ROSC (%)</b>	<b>N=612</b>	<b>N=45434</b>
Yes	155 (25.3)	14609 (32.2)
No	457 (74.7)	30825 (67.8)
<b>Was hypothermia care provided in the field? (%)</b>	<b>N=612</b>	<b>N=45494</b>
Yes	3 (0.5)	5523 (12.1)
No	609 (99.5)	39971 (87.9)
<b>Pre-hospital Outcome (%)</b>	<b>N=612</b>	<b>N=45501</b>
Pronounced in the Field	44 (7.2)	12593 (27.7)
Pronounced in ED	250 (40.8)	7627 (16.8)
Ongoing Resuscitation in ED	318 (52.0)	25281 (55.6)
<b>Overall Survival (%)</b>	<b>N=612</b>	<b>N=45501</b>
Overall Survival to Hospital Admission	151 (24.7)	12878 (28.3)
Overall Survival to Hospital Discharge	34 (5.6)	4903 (10.8)
With Good or Moderate Cerebral Performance	26 (4.2)	3849 (8.5)
Missing hospital outcome	2	216
<b>Utstein<sup>1</sup> Survival (%)</b>	<b>N=33</b>	<b>N=5521</b>
	30.3%	32.5%
<b>Utstein Bystander<sup>2</sup> Survival (%)</b>	<b>N=13</b>	<b>N=3343</b>
	38.5%	36.1%

*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.*

*<sup>1</sup>Witnessed by bystander and found in a shockable rhythm*

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