

CARES Survival Report

Washington DC Fire

Service Date: From 01/01/2014 Through 12/31/2014 | Non-Traumatic Etiology

	OVERALL				
	N = 610				
	Total N (%)	Sustained ROSC (%)	Survival to hospital admission (%)	Survival to hospital discharge (%)	Survival to discharge with CPC 1 or 2 [†] (%)
Total	610	154 (25.2)	151 (24.8)	34 (5.6)	26 (4.3)
Location of Arrest					
Home/Residence	423 (69.3)	106 (25.1)	106 (25.1)	18 (4.3)	12 (2.8)
Nursing Home	73 (12.0)	17 (23.3)	15 (20.5)	0 (0.0)	0 (0.0)
Public Setting	114 (18.7)	31 (27.2)	30 (26.3)	16 (14.0)	14 (12.3)
Arrest Witnessed Status					
Unwitnessed	366 (60.0)	70 (19.1)	70 (19.1)	10 (2.7)	9 (2.5)
Bystander witnessed	158 (25.9)	58 (36.7)	54 (34.2)	15 (9.5)	11 (7.0)
911 Responder witnessed	86 (14.1)	26 (30.2)	27 (31.4)	9 (10.5)	6 (7.0)
Bystander CPR*					
Bystander CPR	137 (26.1)	37 (27.0)	34 (24.8)	8 (5.8)	5 (3.6)
No Bystander CPR	387 (73.9)	91 (23.5)	90 (23.3)	17 (4.4)	15 (3.9)
Bystander CPR (excludes nursing home/healthcare facility events)	67 (15.3)	19 (28.4)	19 (28.4)	8 (11.9)	5 (7.5)
No Bystander CPR (excludes nursing home/healthcare facility events)	370 (84.7)	88 (23.8)	89 (24.1)	17 (4.6)	15 (4.1)
Initial Arrest Rhythm					
Shockable	80 (13.1)	30 (37.5)	31 (38.8)	17 (21.2)	14 (17.5)
Non-shockable	530 (86.9)	124 (23.4)	120 (22.6)	17 (3.2)	12 (2.3)
AED Use					
Bystander AED use*	19 (3.6)	3 (15.8)	3 (15.8)	1 (5.3)	1 (5.3)
Bystander AED use* (excludes nursing home/healthcare facility events)	9 (2.1)	1 (11.1)	2 (22.2)	1 (11.1)	1 (11.1)
Trained provider (First Responder) AED use	10 (1.6)	6 (60.0)	6 (60.0)	4 (40.0)	4 (40.0)
Utstein					
Witnessed and shockable	44 (7.2)	17 (38.6)	17 (38.6)	13 (29.5)	10 (22.7)
Bystander witnessed and shockable	33 (5.4)	13 (39.4)	12 (36.4)	10 (30.3)	8 (24.2)
Hypothermia					
Field hypothermia	3 (0.5)	2 (66.7)	2 (66.7)	0 (0.0)	0 (0.0)
In-hospital hypothermia (among admitted patients)	45 (29.8)	--	--	12 (26.7)	10 (22.2)

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.

NOTE: Analysis excludes patients with missing hospital outcome (N=2).

*Bystander CPR and bystander AED use calculations exclude 911 Responder witnessed events.

[†]CPC missing for 1 patients.