

CARES Survival Report

All Agencies/National Data

Service Date: From 1/1/14 Through 12/31/14 | Presumed Cardiac Etiology

	OVERALL N = 39261				
	Total N (%)	Sustained ROSC (%)	Survival to hospital admission (%)	Survival to hospital discharge (%)	Survival to discharge with CPC 1 or 2 [†] (%)
Total	39261	12063 (30.7)	10478 (26.7)	4064 (10.4)	3212 (8.2)
Location of Arrest					
Home/Residence	27208 (69.3)	7878 (29.0)	6720 (24.7)	2251 (8.3)	1711 (6.3)
Nursing Home	4314 (11.0)	1078 (25.0)	720 (16.7)	168 (3.9)	87 (2.0)
Public Setting	7737 (19.7)	3107 (40.2)	3038 (39.3)	1645 (21.3)	1414 (18.3)
Arrest Witnessed Status					
Unwitnessed	20027 (51.0)	4090 (20.4)	3386 (16.9)	864 (4.3)	602 (3.0)
Bystander witnessed	15144 (38.6)	6280 (41.5)	5516 (36.4)	2439 (16.1)	1984 (13.1)
911 Responder witnessed	4086 (10.4)	1690 (41.4)	1573 (38.5)	759 (18.6)	624 (15.3)
Bystander CPR*					
Bystander CPR	16225 (46.1)	5327 (32.8)	4543 (28.0)	1965 (12.1)	1614 (9.9)
No Bystander CPR	18945 (53.9)	5044 (26.6)	4360 (23.0)	1339 (7.1)	973 (5.1)
Bystander CPR (excludes nursing home/healthcare facility events)	11472 (39.0)	3965 (34.6)	3541 (30.9)	1649 (14.4)	1399 (12.2)
No Bystander CPR (excludes nursing home/healthcare facility events)	17912 (61.0)	4760 (26.6)	4164 (23.2)	1293 (7.2)	949 (5.3)
Initial Arrest Rhythm					
Shockable	8827 (22.5)	4352 (49.3)	4236 (48.0)	2622 (29.7)	2285 (25.9)
Non-shockable	30434 (77.5)	7711 (25.3)	6242 (20.5)	1442 (4.7)	927 (3.0)
AED Use					
Bystander AED use*	2032 (5.8)	807 (39.7)	708 (34.8)	391 (19.2)	341 (16.8)
Bystander AED use* (excludes nursing home/healthcare facility events)	732 (2.5)	358 (48.9)	344 (47.0)	245 (33.5)	228 (31.1)
Trained provider (First Responder) AED use	8892 (22.6)	2775 (31.2)	2261 (25.4)	899 (10.1)	733 (8.2)
Utstein					
Witnessed and shockable	6291 (16.0)	3421 (54.4)	3328 (52.9)	2181 (34.7)	1926 (30.6)
Bystander witnessed and shockable	5308 (13.5)	2830 (53.3)	2748 (51.8)	1758 (33.1)	1539 (29.0)
Hypothermia					
Field hypothermia	4855 (12.4)	3256 (67.1)	2586 (53.3)	964 (19.9)	715 (14.7)
In-hospital hypothermia (among admitted patients)	4802 (45.8)	--	--	1803 (37.5)	1352 (28.2)

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=183).

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

[†]CPC missing for 110 patients.

CARES Survival Report

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Service Date: From 1/1/14 Through 12/31/14 | Presumed Cardiac Etiology

	Age = ≤1 years N = 355				
	Total N (%)	Sustained ROSC (%)	Survival to hospital admission (%)	Survival to hospital discharge (%)	Survival to discharge with CPC 1 or 2† (%)
Total	355	28 (7.9)	48 (13.5)	15 (4.2)	12 (3.4)
Location of Arrest					
Home/Residence	315 (0.8)	23 (7.3)	41 (13.0)	13 (4.1)	10 (3.2)
Nursing Home	3 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Public Setting	37 (0.1)	5 (13.5)	7 (18.9)	2 (5.4)	2 (5.4)
Arrest Witnessed Status					
Unwitnessed	285 (0.7)	14 (4.9)	30 (10.5)	7 (2.5)	5 (1.8)
Bystander witnessed	58 (0.1)	12 (20.7)	16 (27.6)	8 (13.8)	7 (12.1)
911 Responder witnessed	12 (0.0)	2 (16.7)	2 (16.7)	0 (0.0)	0 (0.0)
Bystander CPR*					
Bystander CPR	173 (0.5)	14 (8.1)	22 (12.7)	7 (4.0)	6 (3.5)
No Bystander CPR	170 (0.5)	12 (7.1)	24 (14.1)	8 (4.7)	6 (3.5)
Bystander CPR (excludes nursing home/healthcare facility events)	168 (0.6)	13 (7.7)	20 (11.9)	7 (4.2)	6 (3.6)
No Bystander CPR (excludes nursing home/healthcare facility events)	168 (0.6)	12 (7.1)	24 (14.3)	8 (4.8)	6 (3.6)
Initial Arrest Rhythm					
Shockable	12 (0.0)	5 (41.7)	5 (41.7)	4 (33.3)	4 (33.3)
Non-shockable	343 (0.9)	23 (6.7)	43 (12.5)	11 (3.2)	8 (2.3)
AED Use					
Bystander AED use*	1 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Bystander AED use* (excludes nursing home/healthcare facility events)	1 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Trained provider (First Responder) AED use	34 (9.6)	2 (5.9)	3 (8.8)	1 (2.9)	1 (2.9)
Utstein					
Witnessed and shockable	8 (2.3)	5 (62.5)	4 (50.0)	3 (37.5)	3 (37.5)
Bystander witnessed and shockable	7 (2.0)	5 (71.4)	4 (57.1)	3 (42.9)	3 (42.9)
Hypothermia					
Field hypothermia	7 (0.0)	2 (28.6)	2 (28.6)	1 (14.3)	1 (14.3)
In-hospital hypothermia (among admitted patients)	7 (14.6)	--	--	2 (28.6)	1 (14.3)

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=7).

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

†CPC missing for 0 patients.

CARES Survival Report

All Agencies/National Data

Service Date: From 1/1/14 Through 12/31/14 | Presumed Cardiac Etiology

	Age = >1 - 12 years N = 124				
	Total N (%)	Sustained ROSC (%)	Survival to hospital admission (%)	Survival to hospital discharge (%)	Survival to discharge with CPC 1 or 2† (%)
Total	124	19 (15.3)	28 (22.6)	12 (9.7)	9 (7.3)
Location of Arrest					
Home/Residence	103 (0.3)	10 (9.7)	17 (16.5)	5 (4.9)	3 (2.9)
Nursing Home	0 (0.0)	0 (NaN)	0 (NaN)	0 (NaN)	0 (NaN)
Public Setting	21 (0.1)	9 (42.9)	11 (52.4)	7 (33.3)	6 (28.6)
Arrest Witnessed Status					
Unwitnessed	75 (0.2)	6 (8.0)	11 (14.7)	1 (1.3)	1 (1.3)
Bystander witnessed	44 (0.1)	13 (29.5)	16 (36.4)	11 (25.0)	8 (18.2)
911 Responder witnessed	5 (0.0)	0 (0.0)	1 (20.0)	0 (0.0)	0 (0.0)
Bystander CPR*					
Bystander CPR	63 (0.2)	13 (20.6)	17 (27.0)	10 (15.9)	7 (11.1)
No Bystander CPR	56 (0.2)	3 (5.4)	5 (8.9)	2 (3.6)	2 (3.6)
Bystander CPR (excludes nursing home/healthcare facility events)	76 (0.3)	15 (19.7)	20 (26.3)	10 (13.2)	7 (9.2)
No Bystander CPR (excludes nursing home/healthcare facility events)	73 (0.2)	3 (4.1)	5 (6.8)	2 (2.7)	2 (2.7)
Initial Arrest Rhythm					
Shockable	19 (0.0)	9 (47.4)	9 (47.4)	9 (47.4)	8 (42.1)
Non-shockable	105 (0.3)	10 (9.5)	19 (18.1)	3 (2.9)	1 (1.0)
AED Use					
Bystander AED use*	5 (0.0)	3 (60.0)	4 (80.0)	3 (60.0)	3 (60.0)
Bystander AED use* (excludes nursing home/healthcare facility events)	5 (0.0)	4 (80.0)	4 (80.0)	3 (60.0)	3 (60.0)
Trained provider (First Responder) AED use	19 (15.3)	3 (15.8)	4 (21.1)	1 (5.3)	1 (5.3)
Utstein					
Witnessed and shockable	16 (12.9)	8 (50.0)	8 (50.0)	8 (50.0)	7 (43.8)
Bystander witnessed and shockable	14 (11.3)	8 (57.1)	8 (57.1)	8 (57.1)	7 (50.0)
Hypothermia					
Field hypothermia	4 (0.0)	2 (50.0)	2 (50.0)	0 (0.0)	0 (0.0)
In-hospital hypothermia (among admitted patients)	9 (32.1)	--	--	5 (55.6)	5 (55.6)

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=0).

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

†CPC missing for 2 patients.

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All Agencies/National Data

Service Date: From 1/1/14 Through 12/31/14 | Presumed Cardiac Etiology

	Age = 13 - 18 years N = 115				
	Total N (%)	Sustained ROSC (%)	Survival to hospital admission (%)	Survival to hospital discharge (%)	Survival to discharge with CPC 1 or 2 [†] (%)
Total	115	40 (34.8)	44 (38.3)	30 (26.1)	25 (21.7)
Location of Arrest					
Home/Residence	78 (0.2)	23 (29.5)	26 (33.3)	14 (17.9)	11 (14.1)
Nursing Home	1 (0.0)	0 (0.0)	1 (100.0)	0 (0.0)	0 (0.0)
Public Setting	36 (0.1)	17 (47.2)	17 (47.2)	16 (44.4)	14 (38.9)
Arrest Witnessed Status					
Unwitnessed	67 (0.2)	15 (22.4)	20 (29.9)	10 (14.9)	8 (11.9)
Bystander witnessed	40 (0.1)	21 (52.5)	18 (45.0)	16 (40.0)	14 (35.0)
911 Responder witnessed	8 (0.0)	4 (50.0)	6 (75.0)	4 (50.0)	3 (37.5)
Bystander CPR*					
Bystander CPR	60 (0.2)	25 (41.7)	27 (45.0)	21 (35.0)	17 (28.3)
No Bystander CPR	47 (0.1)	11 (23.4)	11 (23.4)	5 (10.6)	5 (10.6)
Bystander CPR (excludes nursing home/healthcare facility events)	57 (0.2)	25 (43.9)	26 (45.6)	21 (36.8)	17 (29.8)
No Bystander CPR (excludes nursing home/healthcare facility events)	46 (0.2)	11 (23.9)	11 (23.9)	5 (10.9)	5 (10.9)
Initial Arrest Rhythm					
Shockable	37 (0.1)	21 (56.8)	24 (64.9)	22 (59.5)	20 (54.1)
Non-shockable	78 (0.2)	19 (24.4)	20 (25.6)	8 (10.3)	5 (6.4)
AED Use					
Bystander AED use*	9 (0.0)	7 (77.8)	8 (88.9)	7 (77.8)	6 (66.7)
Bystander AED use* (excludes nursing home/healthcare facility events)	8 (0.0)	7 (87.5)	7 (87.5)	7 (87.5)	6 (75.0)
Trained provider (First Responder) AED use	21 (18.3)	4 (19.0)	5 (23.8)	2 (9.5)	2 (9.5)
Utstein					
Witnessed and shockable	28 (24.3)	17 (60.7)	17 (60.7)	16 (57.1)	15 (53.6)
Bystander witnessed and shockable	23 (20.0)	14 (60.9)	14 (60.9)	13 (56.5)	12 (52.2)
Hypothermia					
Field hypothermia	10 (0.0)	6 (60.0)	5 (50.0)	2 (20.0)	2 (20.0)
In-hospital hypothermia (among admitted patients)	17 (38.6)	--	--	13 (76.5)	9 (52.9)

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=1).

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

[†]CPC missing for 0 patients.

CARES Survival Report

All Agencies/National Data

Service Date: From 1/1/14 Through 12/31/14 | Presumed Cardiac Etiology

	Age = >18 years N = 38626				
	Total N (%)	Sustained ROSC (%)	Survival to hospital admission (%)	Survival to hospital discharge (%)	Survival to discharge with CPC 1 or 2 [†] (%)
Total	38626	11967 (31.0)	10348 (26.8)	4001 (10.4)	3160 (8.2)
Location of Arrest					
Home/Residence	26687 (68.0)	7818 (29.3)	6631 (24.8)	2217 (8.3)	1685 (6.3)
Nursing Home	4309 (11.0)	1078 (25.0)	719 (16.7)	168 (3.9)	87 (2.0)
Public Setting	7628 (19.4)	3071 (40.3)	2998 (39.3)	1616 (21.2)	1388 (18.2)
Arrest Witnessed Status					
Unwitnessed	19581 (49.9)	4053 (20.7)	3323 (17.0)	845 (4.3)	587 (3.0)
Bystander witnessed	14982 (38.2)	6227 (41.6)	5458 (36.4)	2399 (16.0)	1950 (13.0)
911 Responder witnessed	4059 (10.3)	1684 (41.5)	1564 (38.5)	755 (18.6)	621 (15.3)
Bystander CPR*					
Bystander CPR	15911 (45.2)	5267 (33.1)	4467 (28.1)	1923 (12.1)	1580 (9.9)
No Bystander CPR	18651 (53.0)	5014 (26.9)	4315 (23.1)	1322 (7.1)	958 (5.1)
Bystander CPR (excludes nursing home/healthcare facility events)	11171 (38.0)	3908 (35.0)	3471 (31.1)	1608 (14.4)	1366 (12.2)
No Bystander CPR (excludes nursing home/healthcare facility events)	17623 (60.0)	4730 (26.8)	4119 (23.4)	1276 (7.2)	934 (5.3)
Initial Arrest Rhythm					
Shockable	8752 (22.3)	4314 (49.3)	4194 (47.9)	2584 (29.5)	2250 (25.7)
Non-shockable	29874 (76.1)	7653 (25.6)	6154 (20.6)	1417 (4.7)	910 (3.0)
AED Use					
Bystander AED use*	2017 (5.7)	796 (39.5)	696 (34.5)	381 (18.9)	332 (16.5)
Bystander AED use* (excludes nursing home/healthcare facility events)	718 (2.4)	347 (48.3)	333 (46.4)	235 (32.7)	219 (30.5)
Trained provider (First Responder) AED use	8811 (22.8)	2765 (31.4)	2248 (25.5)	894 (10.1)	728 (8.3)
Utstein					
Witnessed and shockable	6232 (16.1)	3388 (54.4)	3295 (52.9)	2151 (34.5)	1898 (30.5)
Bystander witnessed and shockable	5257 (13.6)	2800 (53.3)	2718 (51.7)	1731 (32.9)	1514 (28.8)
Hypothermia					
Field hypothermia	4831 (12.3)	3244 (67.1)	2575 (53.3)	960 (19.9)	711 (14.7)
In-hospital hypothermia (among admitted patients)	4762 (46.0)	--	--	1778 (37.3)	1332 (28.0)

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=175).

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

[†]CPC missing for 108 patients.