

CARES Survival Report

All Agencies/National Data

Service Date: 01/01/17 - 12/31/17 | Non-Traumatic Etiology

	OVERALL N = 76040				
	Total N (%)	Sustained ROSC (%)	Survival to hospital admission (%)	Survival to hospital discharge (%)	Survival to discharge with CPC 1 or 2 [†] (%)
Total	76040	24129 (31.7)	21393 (28.1)	7949 (10.5)	6392 (8.4)
Location of Arrest					
Home/Residence	53150 (69.9)	16003 (30.1)	14057 (26.4)	4644 (8.7)	3662 (6.9)
Nursing Home	8659 (11.4)	2263 (26.1)	1595 (18.4)	353 (4.1)	169 (2.0)
Public Setting	14231 (18.7)	5863 (41.2)	5741 (40.3)	2952 (20.7)	2561 (18.0)
Arrest Witnessed Status					
Unwitnessed	38885 (51.1)	8244 (21.2)	7111 (18.3)	1776 (4.6)	1278 (3.3)
Bystander witnessed	27810 (36.6)	11838 (42.6)	10438 (37.5)	4477 (16.1)	3731 (13.4)
911 Responder witnessed	9345 (12.3)	4047 (43.3)	3844 (41.1)	1696 (18.1)	1383 (14.8)
Bystander CPR*					
Bystander CPR	29973 (44.9)	9743 (32.5)	8517 (28.4)	3544 (11.8)	2960 (9.9)
No Bystander CPR	36720 (55.1)	10339 (28.2)	9032 (24.6)	2709 (7.4)	2049 (5.6)
Bystander CPR (excludes nursing home/healthcare facility events)	21530 (38.2)	7354 (34.2)	6716 (31.2)	2948 (13.7)	2565 (11.9)
No Bystander CPR (excludes nursing home/healthcare facility events)	34814 (61.8)	9814 (28.2)	8655 (24.9)	2632 (7.6)	2007 (5.8)
Initial Arrest Rhythm					
Shockable	13958 (18.4)	6988 (50.1)	6799 (48.7)	4085 (29.3)	3617 (25.9)
Non-shockable	62076 (81.6)	17136 (27.6)	14589 (23.5)	3860 (6.2)	2772 (4.5)
AED Use					
Bystander AED use*	4577 (6.9)	1657 (36.2)	1429 (31.2)	760 (16.6)	644 (14.1)
Bystander AED use* (excludes nursing home/healthcare facility events)	1240 (2.2)	622 (50.2)	592 (47.7)	420 (33.9)	394 (31.8)
Trained provider (First Responder) AED use	17415 (22.9)	5331 (30.6)	4693 (26.9)	1751 (10.1)	1430 (8.2)
Utstein					
Witnessed and shockable	10068 (13.2)	5498 (54.6)	5355 (53.2)	3438 (34.1)	3096 (30.8)
Bystander witnessed and shockable	8346 (11.0)	4493 (53.8)	4379 (52.5)	2735 (32.8)	2442 (29.3)
Hypothermia					
Field hypothermia	3857 (5.1)	2321 (60.2)	1918 (49.7)	679 (17.6)	517 (13.4)
In-hospital hypothermia (among admitted patients)	9674 (45.2)	--	--	3176 (32.8)	2407 (24.9)

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=173).

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

[†]CPC missing for 85 patients.

CARES Survival Report

All Agencies/National Data

Service Date: 01/01/17 - 12/31/17 | Non-Traumatic Etiology

	Age = ≤1 years N = 1197				
	Total N (%)	Sustained ROSC (%)	Survival to hospital admission (%)	Survival to hospital discharge (%)	Survival to discharge with CPC 1 or 2 [†] (%)
Total	1197	153 (12.8)	229 (19.1)	65 (5.4)	56 (4.7)
Location of Arrest					
Home/Residence	1085 (90.6)	129 (11.9)	196 (18.1)	54 (5.0)	47 (4.3)
Nursing Home	1 (0.1)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Public Setting	111 (9.3)	24 (21.6)	33 (29.7)	11 (9.9)	9 (8.1)
Arrest Witnessed Status					
Unwitnessed	948 (79.2)	71 (7.5)	130 (13.7)	18 (1.9)	15 (1.6)
Bystander witnessed	211 (17.6)	65 (30.8)	77 (36.5)	35 (16.6)	31 (14.7)
911 Responder witnessed	38 (3.2)	17 (44.7)	22 (57.9)	12 (31.6)	10 (26.3)
Bystander CPR*					
Bystander CPR	529 (45.6)	72 (13.6)	112 (21.2)	35 (6.6)	30 (5.7)
No Bystander CPR	630 (54.4)	64 (10.2)	95 (15.1)	18 (2.9)	16 (2.5)
Bystander CPR (excludes nursing home/healthcare facility events)	518 (45.2)	67 (12.9)	107 (20.7)	33 (6.4)	30 (5.8)
No Bystander CPR (excludes nursing home/healthcare facility events)	627 (54.8)	64 (10.2)	95 (15.2)	18 (2.9)	16 (2.6)
Initial Arrest Rhythm					
Shockable	43 (3.6)	7 (16.3)	12 (27.9)	8 (18.6)	7 (16.3)
Non-shockable	1154 (96.4)	146 (12.7)	217 (18.8)	57 (4.9)	49 (4.2)
AED Use					
Bystander AED use*	6 (0.5)	4 (66.7)	4 (66.7)	2 (33.3)	0 (0.0)
Bystander AED use* (excludes nursing home/healthcare facility events)	3 (0.3)	1 (33.3)	1 (33.3)	0 (0.0)	0 (0.0)
Trained provider (First Responder) AED use	170 (14.2)	23 (13.5)	30 (17.6)	4 (2.4)	4 (2.4)
Utstein					
Witnessed and shockable	21 (1.8)	6 (28.6)	9 (42.9)	7 (33.3)	6 (28.6)
Bystander witnessed and shockable	20 (1.7)	6 (30.0)	8 (40.0)	6 (30.0)	5 (25.0)
Hypothermia					
Field hypothermia	17 (1.4)	5 (29.4)	6 (35.3)	1 (5.9)	1 (5.9)
In-hospital hypothermia (among admitted patients)	39 (17.0)	--	--	7 (17.9)	6 (15.4)

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=6).

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

[†]CPC missing for 2 patients.

CARES Survival Report

All Agencies/National Data

Service Date: 01/01/17 - 12/31/17 | Non-Traumatic Etiology

	Age = >1 - 12 years N = 484				
	Total N (%)	Sustained ROSC (%)	Survival to hospital admission (%)	Survival to hospital discharge (%)	Survival to discharge with CPC 1 or 2 [†] (%)
Total	484	136 (28.1)	169 (34.9)	88 (18.2)	76 (15.7)
Location of Arrest					
Home/Residence	388 (80.2)	97 (25.0)	123 (31.7)	56 (14.4)	45 (11.6)
Nursing Home	1 (0.2)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Public Setting	95 (19.6)	39 (41.1)	46 (48.4)	32 (33.7)	31 (32.6)
Arrest Witnessed Status					
Unwitnessed	288 (59.5)	48 (16.7)	68 (23.6)	27 (9.4)	21 (7.3)
Bystander witnessed	149 (30.8)	70 (47.0)	77 (51.7)	46 (30.9)	40 (26.8)
911 Responder witnessed	47 (9.7)	18 (38.3)	24 (51.1)	15 (31.9)	15 (31.9)
Bystander CPR*					
Bystander CPR	227 (51.9)	70 (30.8)	86 (37.9)	50 (22.0)	43 (18.9)
No Bystander CPR	210 (48.1)	42 (20.0)	59 (28.1)	23 (11.0)	18 (8.6)
Bystander CPR (excludes nursing home/healthcare facility events)	221 (51.5)	75 (33.9)	85 (38.5)	49 (22.2)	43 (19.5)
No Bystander CPR (excludes nursing home/healthcare facility events)	208 (48.5)	41 (19.7)	57 (27.4)	22 (10.6)	17 (8.2)
Initial Arrest Rhythm					
Shockable	41 (8.5)	26 (63.4)	28 (68.3)	23 (56.1)	22 (53.7)
Non-shockable	443 (91.5)	110 (24.8)	141 (31.8)	65 (14.7)	54 (12.2)
AED Use					
Bystander AED use*	13 (3.0)	10 (76.9)	9 (69.2)	8 (61.5)	7 (53.8)
Bystander AED use* (excludes nursing home/healthcare facility events)	9 (2.1)	9 (100.0)	8 (88.9)	7 (77.8)	7 (77.8)
Trained provider (First Responder) AED use	101 (20.9)	27 (26.7)	31 (30.7)	13 (12.9)	12 (11.9)
Utstein					
Witnessed and shockable	29 (6.0)	21 (72.4)	22 (75.9)	19 (65.5)	18 (62.1)
Bystander witnessed and shockable	24 (5.0)	18 (75.0)	20 (83.3)	18 (75.0)	17 (70.8)
Hypothermia					
Field hypothermia	5 (1.0)	2 (40.0)	2 (40.0)	1 (20.0)	1 (20.0)
In-hospital hypothermia (among admitted patients)	25 (14.8)	--	--	14 (56.0)	10 (40.0)

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=4).

*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: 01/01/17 - 12/31/17 | Non-Traumatic Etiology

	Age = 13 - 18 years N = 376				
	Total N (%)	Sustained ROSC (%)	Survival to hospital admission (%)	Survival to hospital discharge (%)	Survival to discharge with CPC 1 or 2 [†] (%)
Total	376	155 (41.2)	159 (42.3)	78 (20.7)	71 (18.9)
Location of Arrest					
Home/Residence	281 (74.7)	105 (37.4)	106 (37.7)	43 (15.3)	37 (13.2)
Nursing Home	1 (0.3)	1 (100.0)	1 (100.0)	0 (0.0)	0 (0.0)
Public Setting	94 (25.0)	49 (52.1)	52 (55.3)	35 (37.2)	34 (36.2)
Arrest Witnessed Status					
Unwitnessed	225 (59.8)	63 (28.0)	64 (28.4)	19 (8.4)	15 (6.7)
Bystander witnessed	124 (33.0)	76 (61.3)	75 (60.5)	48 (38.7)	47 (37.9)
911 Responder witnessed	27 (7.2)	16 (59.3)	20 (74.1)	11 (40.7)	9 (33.3)
Bystander CPR*					
Bystander CPR	165 (47.3)	84 (50.9)	87 (52.7)	47 (28.5)	45 (27.3)
No Bystander CPR	184 (52.7)	55 (29.9)	52 (28.3)	20 (10.9)	17 (9.2)
Bystander CPR (excludes nursing home/healthcare facility events)	163 (47.0)	83 (50.9)	85 (52.1)	47 (28.8)	45 (27.6)
No Bystander CPR (excludes nursing home/healthcare facility events)	184 (53.0)	55 (29.9)	52 (28.3)	20 (10.9)	17 (9.2)
Initial Arrest Rhythm					
Shockable	80 (21.3)	49 (61.3)	52 (65.0)	42 (52.5)	42 (52.5)
Non-shockable	296 (78.7)	106 (35.8)	107 (36.1)	36 (12.2)	29 (9.8)
AED Use					
Bystander AED use*	15 (4.3)	10 (66.7)	12 (80.0)	9 (60.0)	9 (60.0)
Bystander AED use* (excludes nursing home/healthcare facility events)	14 (4.0)	10 (71.4)	11 (78.6)	9 (64.3)	9 (64.3)
Trained provider (First Responder) AED use	95 (25.3)	45 (47.4)	44 (46.3)	22 (23.2)	20 (21.1)
Utstein					
Witnessed and shockable	58 (15.4)	42 (72.4)	43 (74.1)	38 (65.5)	38 (65.5)
Bystander witnessed and shockable	52 (13.8)	37 (71.2)	38 (73.1)	34 (65.4)	34 (65.4)
Hypothermia					
Field hypothermia	17 (4.5)	11 (64.7)	11 (64.7)	5 (29.4)	5 (29.4)
In-hospital hypothermia (among admitted patients)	56 (35.2)	--	--	27 (48.2)	25 (44.6)

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=3).

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

[†]CPC missing for 1 patients.

CARES Survival Report

All Agencies/National Data

Service Date: 01/01/17 - 12/31/17 | Non-Traumatic Etiology

	Age = >18 years N = 73910				
	Total N (%)	Sustained ROSC (%)	Survival to hospital admission (%)	Survival to hospital discharge (%)	Survival to discharge with CPC 1 or 2 [†] (%)
Total	73910	23657 (32.0)	20810 (28.2)	7702 (10.4)	6174 (8.4)
Location of Arrest					
Home/Residence	51344 (69.5)	15652 (30.5)	13613 (26.5)	4479 (8.7)	3522 (6.9)
Nursing Home	8655 (11.7)	2261 (26.1)	1594 (18.4)	353 (4.1)	169 (2.0)
Public Setting	13911 (18.8)	5744 (41.3)	5603 (40.3)	2870 (20.6)	2483 (17.8)
Arrest Witnessed Status					
Unwitnessed	37397 (50.6)	8054 (21.5)	6840 (18.3)	1707 (4.6)	1222 (3.3)
Bystander witnessed	27296 (36.9)	11613 (42.5)	10197 (37.4)	4340 (15.9)	3606 (13.2)
911 Responder witnessed	9217 (12.5)	3990 (43.3)	3773 (40.9)	1655 (18.0)	1346 (14.6)
Bystander CPR*					
Bystander CPR	29034 (44.9)	9504 (32.7)	8225 (28.3)	3408 (11.7)	2839 (9.8)
No Bystander CPR	35657 (55.1)	10163 (28.5)	8812 (24.7)	2639 (7.4)	1989 (5.6)
Bystander CPR (excludes nursing home/healthcare facility events)	20618 (37.9)	7125 (34.6)	6435 (31.2)	2816 (13.7)	2445 (11.9)
No Bystander CPR (excludes nursing home/healthcare facility events)	33756 (62.1)	9639 (28.6)	8437 (25.0)	2563 (7.6)	1948 (5.8)
Initial Arrest Rhythm					
Shockable	13792 (18.7)	6904 (50.1)	6705 (48.6)	4010 (29.1)	3544 (25.7)
Non-shockable	60112 (81.3)	16748 (27.9)	14100 (23.5)	3688 (6.1)	2627 (4.4)
AED Use					
Bystander AED use*	4543 (7.0)	1633 (35.9)	1404 (30.9)	741 (16.3)	628 (13.8)
Bystander AED use* (excludes nursing home/healthcare facility events)	1214 (2.2)	602 (49.6)	572 (47.1)	404 (33.3)	378 (31.1)
Trained provider (First Responder) AED use	17042 (23.1)	5232 (30.7)	4584 (26.9)	1709 (10.0)	1391 (8.2)
Utstein					
Witnessed and shockable	9958 (13.5)	5427 (54.5)	5279 (53.0)	3372 (33.9)	3032 (30.4)
Bystander witnessed and shockable	8248 (11.2)	4430 (53.7)	4311 (52.3)	2675 (32.4)	2384 (28.9)
Hypothermia					
Field hypothermia	3815 (5.2)	2300 (60.3)	1896 (49.7)	669 (17.5)	507 (13.3)
In-hospital hypothermia (among admitted patients)	9543 (45.9)	--	--	3121 (32.7)	2360 (24.7)

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=158).

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

[†]CPC missing for 82 patients.