

CARES Survival Report

All Agencies/National Data

Service Date: From 10/01/2005 Through 12/31/2014 | Presumed Cardiac Etiology

	OVERALL N = 143343				
	Total N (%)	Sustained ROSC (%)	Survival to hospital admission (%)	Survival to hospital discharge (%)	Survival to discharge with CPC 1 or 2 [†] (%)
Total	143343	43045 (30.0)	38452 (26.8)	14735 (10.3)	11286 (7.9)
Location of Arrest					
Home/Residence	98536 (69.0)	27845 (28.3)	24549 (24.9)	8083 (8.2)	5961 (6.0)
Nursing Home	16923 (11.8)	4181 (24.7)	2977 (17.6)	689 (4.1)	327 (1.9)
Public Setting	27381 (19.2)	10740 (39.2)	10688 (39.0)	5831 (21.3)	4936 (18.0)
Arrest Witnessed Status					
Unwitnessed	73603 (51.4)	14837 (20.2)	12754 (17.3)	3100 (4.2)	2108 (2.9)
Bystander witnessed	54480 (38.0)	21792 (40.0)	19734 (36.2)	8680 (15.9)	6815 (12.5)
911 Responder witnessed	15248 (10.6)	6410 (42.0)	5958 (39.1)	2951 (19.4)	2359 (15.5)
Bystander CPR*					
Bystander CPR	54497 (42.6)	17638 (32.4)	15315 (28.1)	6535 (12.0)	5144 (9.4)
No Bystander CPR	73538 (57.4)	18982 (25.8)	17159 (23.3)	5240 (7.1)	3776 (5.1)
Bystander CPR (excludes nursing home/healthcare facility events)	37977 (35.5)	12901 (34.0)	11677 (30.7)	5356 (14.1)	4382 (11.5)
No Bystander CPR (excludes nursing home/healthcare facility events)	69047 (64.5)	17859 (25.9)	16347 (23.7)	5051 (7.3)	3662 (5.3)
Initial Arrest Rhythm					
Shockable	33096 (23.1)	15894 (48.0)	15769 (47.6)	9591 (29.0)	8096 (24.5)
Non-shockable	110229 (76.9)	27149 (24.6)	22679 (20.6)	5143 (4.7)	3189 (2.9)
AED Use					
Bystander AED use*	6062 (4.7)	2507 (41.4)	2275 (37.5)	1345 (22.2)	1158 (19.1)
Bystander AED use* (excludes nursing home/healthcare facility events)	2459 (2.3)	1223 (49.7)	1200 (48.8)	879 (35.7)	796 (32.4)
Trained provider (First Responder) AED use	30721 (21.4)	9106 (29.6)	7843 (25.5)	3081 (10.0)	2464 (8.0)
Utstein					
Witnessed and shockable	23244 (16.2)	12314 (53.0)	12239 (52.7)	7947 (34.2)	6815 (29.3)
Bystander witnessed and shockable	19419 (13.6)	10086 (51.9)	10030 (51.7)	6279 (32.3)	5316 (27.4)
Hypothermia					
Field hypothermia	16312 (13.5)	11334 (69.5)	9075 (55.6)	3388 (20.8)	2475 (15.2)
In-hospital hypothermia (among admitted patients)	16107 (41.9)	--	--	6191 (38.4)	4711 (29.2)

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=678).

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

[†]CPC missing for 980 patients.

CARES Survival Report

All Agencies/National Data

Service Date: From 10/01/2005 Through 12/31/2014 | Presumed Cardiac Etiology

	Age = ≤1 years N = 1668				
	Total N (%)	Sustained ROSC (%)	Survival to hospital admission (%)	Survival to hospital discharge (%)	Survival to discharge with CPC 1 or 2 [†] (%)
Total	1668	179 (10.7)	250 (15.0)	79 (4.7)	49 (2.9)
Location of Arrest					
Home/Residence	1508 (1.1)	152 (10.1)	215 (14.3)	66 (4.4)	40 (2.7)
Nursing Home	24 (0.0)	1 (4.2)	1 (4.2)	0 (0.0)	0 (0.0)
Public Setting	136 (0.1)	26 (19.1)	34 (25.0)	13 (9.6)	9 (6.6)
Arrest Witnessed Status					
Unwitnessed	1351 (0.9)	94 (7.0)	154 (11.4)	37 (2.7)	20 (1.5)
Bystander witnessed	259 (0.2)	72 (27.8)	82 (31.7)	36 (13.9)	25 (9.7)
911 Responder witnessed	58 (0.0)	13 (22.4)	14 (24.1)	6 (10.3)	4 (6.9)
Bystander CPR*					
Bystander CPR	706 (0.6)	77 (10.9)	100 (14.2)	30 (4.2)	20 (2.8)
No Bystander CPR	904 (0.7)	89 (9.8)	136 (15.0)	43 (4.8)	25 (2.8)
Bystander CPR (excludes nursing home/healthcare facility events)	665 (0.6)	70 (10.5)	92 (13.8)	28 (4.2)	19 (2.9)
No Bystander CPR (excludes nursing home/healthcare facility events)	898 (0.8)	89 (9.9)	136 (15.1)	43 (4.8)	25 (2.8)
Initial Arrest Rhythm					
Shockable	64 (0.0)	23 (35.9)	21 (32.8)	12 (18.8)	11 (17.2)
Non-shockable	1600 (1.1)	156 (9.8)	229 (14.3)	67 (4.2)	38 (2.4)
AED Use					
Bystander AED use*	4 (0.0)	3 (75.0)	4 (100.0)	2 (50.0)	2 (50.0)
Bystander AED use* (excludes nursing home/healthcare facility events)	4 (0.0)	2 (50.0)	3 (75.0)	2 (50.0)	2 (50.0)
Trained provider (First Responder) AED use	148 (8.9)	15 (10.1)	16 (10.8)	8 (5.4)	3 (2.0)
Utstein					
Witnessed and shockable	35 (2.1)	19 (54.3)	17 (48.6)	11 (31.4)	10 (28.6)
Bystander witnessed and shockable	27 (1.6)	16 (59.3)	15 (55.6)	10 (37.0)	9 (33.3)
Hypothermia					
Field hypothermia	50 (0.0)	21 (42.0)	15 (30.0)	5 (10.0)	3 (6.0)
In-hospital hypothermia (among admitted patients)	35 (14.0)	--	--	13 (37.1)	7 (20.0)

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=23).

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

[†]CPC missing for 9 patients.

CARES Survival Report

All Agencies/National Data

Service Date: From 10/01/2005 Through 12/31/2014 | Presumed Cardiac Etiology

	Age = >1 - 12 years N = 530				
	Total N (%)	Sustained ROSC (%)	Survival to hospital admission (%)	Survival to hospital discharge (%)	Survival to discharge with CPC 1 or 2 [†] (%)
Total	530	102 (19.2)	125 (23.6)	47 (8.9)	31 (5.8)
Location of Arrest					
Home/Residence	449 (0.3)	75 (16.7)	94 (20.9)	27 (6.0)	17 (3.8)
Nursing Home	7 (0.0)	1 (14.3)	1 (14.3)	0 (0.0)	0 (0.0)
Public Setting	74 (0.1)	26 (35.1)	30 (40.5)	20 (27.0)	14 (18.9)
Arrest Witnessed Status					
Unwitnessed	314 (0.2)	32 (10.2)	50 (15.9)	10 (3.2)	7 (2.2)
Bystander witnessed	177 (0.1)	57 (32.2)	62 (35.0)	32 (18.1)	21 (11.9)
911 Responder witnessed	39 (0.0)	13 (33.3)	13 (33.3)	5 (12.8)	3 (7.7)
Bystander CPR*					
Bystander CPR	219 (0.2)	41 (18.7)	52 (23.7)	29 (13.2)	19 (8.7)
No Bystander CPR	272 (0.2)	42 (15.4)	52 (19.1)	13 (4.8)	9 (3.3)
Bystander CPR (excludes nursing home/healthcare facility events)	293 (0.3)	43 (14.7)	53 (18.1)	26 (8.9)	18 (6.1)
No Bystander CPR (excludes nursing home/healthcare facility events)	367 (0.3)	42 (11.4)	52 (14.2)	13 (3.5)	9 (2.5)
Initial Arrest Rhythm					
Shockable	53 (0.0)	25 (47.2)	26 (49.1)	20 (37.7)	18 (34.0)
Non-shockable	477 (0.3)	77 (16.1)	99 (20.8)	27 (5.7)	13 (2.7)
AED Use					
Bystander AED use*	11 (0.0)	5 (45.5)	6 (54.5)	5 (45.5)	4 (36.4)
Bystander AED use* (excludes nursing home/healthcare facility events)	8 (0.0)	6 (75.0)	6 (75.0)	5 (62.5)	4 (50.0)
Trained provider (First Responder) AED use	78 (14.7)	17 (21.8)	17 (21.8)	4 (5.1)	4 (5.1)
Utstein					
Witnessed and shockable	39 (7.4)	21 (53.8)	21 (53.8)	16 (41.0)	14 (35.9)
Bystander witnessed and shockable	32 (6.0)	19 (59.4)	18 (56.2)	15 (46.9)	13 (40.6)
Hypothermia					
Field hypothermia	15 (0.0)	9 (60.0)	9 (60.0)	1 (6.7)	0 (0.0)
In-hospital hypothermia (among admitted patients)	18 (14.4)	--	--	7 (38.9)	7 (38.9)

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=8).

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

[†]CPC missing for 8 patients.

CARES Survival Report

All Agencies/National Data

Service Date: From 10/01/2005 Through 12/31/2014 | Presumed Cardiac Etiology

	Age = 13 - 18 years N = 511				
	Total N (%)	Sustained ROSC (%)	Survival to hospital admission (%)	Survival to hospital discharge (%)	Survival to discharge with CPC 1 or 2† (%)
Total	511	188 (36.8)	181 (35.4)	111 (21.7)	96 (18.8)
Location of Arrest					
Home/Residence	335 (0.2)	100 (29.9)	89 (26.6)	40 (11.9)	33 (9.9)
Nursing Home	6 (0.0)	0 (0.0)	1 (16.7)	0 (0.0)	0 (0.0)
Public Setting	170 (0.1)	88 (51.8)	91 (53.5)	71 (41.8)	63 (37.1)
Arrest Witnessed Status					
Unwitnessed	266 (0.2)	61 (22.9)	61 (22.9)	21 (7.9)	15 (5.6)
Bystander witnessed	216 (0.2)	117 (54.2)	106 (49.1)	81 (37.5)	74 (34.3)
911 Responder witnessed	29 (0.0)	10 (34.5)	14 (48.3)	9 (31.0)	7 (24.1)
Bystander CPR*					
Bystander CPR	243 (0.2)	106 (43.6)	100 (41.2)	68 (28.0)	60 (24.7)
No Bystander CPR	239 (0.2)	72 (30.1)	67 (28.0)	34 (14.2)	29 (12.1)
Bystander CPR (excludes nursing home/healthcare facility events)	233 (0.2)	103 (44.2)	96 (41.2)	67 (28.8)	59 (25.3)
No Bystander CPR (excludes nursing home/healthcare facility events)	235 (0.2)	71 (30.2)	66 (28.1)	33 (14.0)	28 (11.9)
Initial Arrest Rhythm					
Shockable	166 (0.1)	100 (60.2)	100 (60.2)	88 (53.0)	78 (47.0)
Non-shockable	345 (0.2)	88 (25.5)	81 (23.5)	23 (6.7)	18 (5.2)
AED Use					
Bystander AED use*	34 (0.0)	25 (73.5)	27 (79.4)	22 (64.7)	19 (55.9)
Bystander AED use* (excludes nursing home/healthcare facility events)	30 (0.0)	23 (76.7)	24 (80.0)	22 (73.3)	19 (63.3)
Trained provider (First Responder) AED use	110 (21.5)	44 (40.0)	42 (38.2)	27 (24.5)	24 (21.8)
Utstein					
Witnessed and shockable	131 (25.6)	87 (66.4)	84 (64.1)	77 (58.8)	71 (54.2)
Bystander witnessed and shockable	122 (23.9)	82 (67.2)	79 (64.8)	72 (59.0)	66 (54.1)
Hypothermia					
Field hypothermia	47 (0.0)	34 (72.3)	24 (51.1)	15 (31.9)	15 (31.9)
In-hospital hypothermia (among admitted patients)	70 (38.7)	--	--	48 (68.6)	40 (57.1)

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.

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 2 patients.

CARES Survival Report

All Agencies/National Data

Service Date: From 10/01/2005 Through 12/31/2014 | Presumed Cardiac Etiology

	Age = >18 years N = 140342				
	Total N (%)	Sustained ROSC (%)	Survival to hospital admission (%)	Survival to hospital discharge (%)	Survival to discharge with CPC 1 or 2 [†] (%)
Total	140342	42502 (30.3)	37836 (27.0)	14472 (10.3)	11084 (7.9)
Location of Arrest					
Home/Residence	96072 (67.3)	27479 (28.6)	24118 (25.1)	7938 (8.3)	5859 (6.1)
Nursing Home	16861 (11.8)	4174 (24.8)	2972 (17.6)	688 (4.1)	326 (1.9)
Public Setting	26906 (18.8)	10570 (39.3)	10508 (39.1)	5714 (21.2)	4837 (18.0)
Arrest Witnessed Status					
Unwitnessed	71516 (49.9)	14619 (20.4)	12471 (17.4)	3027 (4.2)	2061 (2.9)
Bystander witnessed	53719 (37.5)	21511 (40.0)	19449 (36.2)	8511 (15.8)	6675 (12.4)
911 Responder witnessed	15096 (10.5)	6366 (42.2)	5910 (39.1)	2930 (19.4)	2344 (15.5)
Bystander CPR*					
Bystander CPR	53220 (41.6)	17377 (32.7)	15033 (28.2)	6397 (12.0)	5034 (9.5)
No Bystander CPR	71967 (56.2)	18744 (26.0)	16873 (23.4)	5136 (7.1)	3699 (5.1)
Bystander CPR (excludes nursing home/healthcare facility events)	36792 (34.4)	12661 (34.4)	11418 (31.0)	5226 (14.2)	4277 (11.6)
No Bystander CPR (excludes nursing home/healthcare facility events)	67495 (63.1)	17623 (26.1)	16063 (23.8)	4949 (7.3)	3587 (5.3)
Initial Arrest Rhythm					
Shockable	32744 (22.8)	15723 (48.0)	15594 (47.6)	9455 (28.9)	7973 (24.3)
Non-shockable	107584 (75.1)	26777 (24.9)	22238 (20.7)	5016 (4.7)	3110 (2.9)
AED Use					
Bystander AED use*	5983 (4.7)	2471 (41.3)	2237 (37.4)	1315 (22.0)	1132 (18.9)
Bystander AED use* (excludes nursing home/healthcare facility events)	2415 (2.3)	1192 (49.4)	1167 (48.3)	850 (35.2)	771 (31.9)
Trained provider (First Responder) AED use	30328 (21.6)	9018 (29.7)	7754 (25.6)	3040 (10.0)	2431 (8.0)
Utstein					
Witnessed and shockable	22992 (16.4)	12167 (52.9)	12094 (52.6)	7829 (34.1)	6706 (29.2)
Bystander witnessed and shockable	19197 (13.7)	9951 (51.8)	9899 (51.6)	6168 (32.1)	5214 (27.2)
Hypothermia					
Field hypothermia	16174 (13.4)	11251 (69.6)	9014 (55.7)	3360 (20.8)	2450 (15.1)
In-hospital hypothermia (among admitted patients)	15961 (42.2)	--	--	6111 (38.3)	4645 (29.1)

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.

NOTE: Analysis excludes patients with missing hospital outcome (N=642).

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

[†]CPC missing for 961 patients.