

CARES Survival Report

All Agencies/National Data

Date of Arrest: From 01/01/2013 Through 12/31/2021 | Non-Traumatic Etiology

	OVERALL N = 734366				
	Total N (%)	Sustained ROSC (%)	Survival to hospital admission (%)	Survival to hospital discharge (%)	Survival to discharge with CPC 1 or 2 [†] (%)
Total	734366	220319 (30.0)	198137 (27.0)	74116 (10.1)	58985 (8.0)
Location of Arrest					
Home/Residence	524627 (71.4)	149716 (28.5)	132995 (25.4)	44311 (8.4)	34527 (6.6)
Nursing Home	78119 (10.6)	18620 (23.8)	13236 (16.9)	3303 (4.2)	1566 (2.0)
Public Setting	131609 (17.9)	51983 (39.5)	51905 (39.4)	26502 (20.1)	22892 (17.4)
Arrest Witnessed Status					
Unwitnessed	369488 (50.3)	73587 (19.9)	64165 (17.4)	16529 (4.5)	11993 (3.2)
Bystander witnessed	273866 (37.3)	109653 (40.0)	97842 (35.7)	41769 (15.3)	34200 (12.5)
911 Responder witnessed	90973 (12.4)	37066 (40.7)	36118 (39.7)	15812 (17.4)	12789 (14.1)
Bystander CPR*					
Bystander CPR	297421 (46.2)	91919 (30.9)	80966 (27.2)	33661 (11.3)	27634 (9.3)
No Bystander CPR	345901 (53.8)	91319 (26.4)	81035 (23.4)	24635 (7.1)	18557 (5.4)
Bystander CPR (excludes nursing home/healthcare facility events)	218062 (39.8)	70406 (32.3)	64575 (29.6)	28052 (12.9)	23910 (11.0)
No Bystander CPR (excludes nursing home/healthcare facility events)	329303 (60.2)	87052 (26.4)	77888 (23.7)	23842 (7.2)	18094 (5.5)
Initial Arrest Rhythm					
Shockable	133570 (18.2)	64031 (47.9)	63020 (47.2)	37805 (28.3)	33274 (24.9)
Non-shockable	600698 (81.8)	156225 (26.0)	135050 (22.5)	36253 (6.0)	25658 (4.3)
AED Use					
Bystander AED use*	42391 (6.6)	14681 (34.6)	12651 (29.8)	6688 (15.8)	5637 (13.3)
Bystander AED use* (excludes nursing home/healthcare facility events)	11199 (2.0)	5347 (47.7)	5220 (46.6)	3620 (32.3)	3378 (30.2)
Trained provider (First Responder) AED use	162741 (22.2)	47839 (29.4)	41441 (25.5)	15616 (9.6)	12920 (7.9)
Utstein					
Witnessed and shockable	95395 (13.0)	50451 (52.9)	49784 (52.2)	31745 (33.3)	28354 (29.7)
Bystander witnessed and shockable	79235 (10.8)	41443 (52.3)	40823 (51.5)	25390 (32.0)	22460 (28.3)
Hypothermia					
Field hypothermia	39885 (5.4)	24124 (60.5)	19606 (49.2)	6874 (17.2)	5097 (12.8)
In-hospital hypothermia/TTM (among admitted patients)	89190 (45.0)	--	--	29194 (32.7)	21665 (24.3)

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=1700).

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

[†]CPC missing for 788 patients.

CARES Survival Report

All Agencies/National Data

Date of Arrest: From 01/01/2013 Through 12/31/2021 | Non-Traumatic Etiology

	Age = <1 years N = 9330				
	Total N (%)	Sustained ROSC (%)	Survival to hospital admission (%)	Survival to hospital discharge (%)	Survival to discharge with CPC 1 or 2 [†] (%)
Total	9330	1075 (11.5)	1587 (17.0)	556 (6.0)	451 (4.8)
Location of Arrest					
Home/Residence	8553 (91.7)	926 (10.8)	1399 (16.4)	476 (5.6)	387 (4.5)
Nursing Home	18 (0.2)	1 (5.6)	3 (16.7)	2 (11.1)	2 (11.1)
Public Setting	758 (8.1)	148 (19.5)	185 (24.4)	78 (10.3)	62 (8.2)
Arrest Witnessed Status					
Unwitnessed	7541 (80.8)	516 (6.8)	890 (11.8)	181 (2.4)	124 (1.6)
Bystander witnessed	1526 (16.4)	466 (30.5)	588 (38.5)	305 (20.0)	266 (17.4)
911 Responder witnessed	263 (2.8)	93 (35.4)	109 (41.4)	70 (26.6)	61 (23.2)
Bystander CPR*					
Bystander CPR	4227 (46.6)	535 (12.7)	776 (18.4)	279 (6.6)	224 (5.3)
No Bystander CPR	4840 (53.4)	447 (9.2)	702 (14.5)	207 (4.3)	166 (3.4)
Bystander CPR (excludes nursing home/healthcare facility events)	4137 (46.3)	501 (12.1)	745 (18.0)	263 (6.4)	212 (5.1)
No Bystander CPR (excludes nursing home/healthcare facility events)	4804 (53.7)	439 (9.1)	691 (14.4)	203 (4.2)	163 (3.4)
Initial Arrest Rhythm					
Shockable	292 (3.1)	79 (27.1)	93 (31.8)	59 (20.2)	52 (17.8)
Non-shockable	9033 (96.9)	993 (11.0)	1491 (16.5)	494 (5.5)	397 (4.4)
AED Use					
Bystander AED use*	42 (0.5)	11 (26.2)	11 (26.2)	5 (11.9)	2 (4.8)
Bystander AED use* (excludes nursing home/healthcare facility events)	17 (0.2)	4 (23.5)	4 (23.5)	2 (11.8)	1 (5.9)
Trained provider (First Responder) AED use	1262 (13.5)	135 (10.7)	200 (15.8)	54 (4.3)	42 (3.3)
Utstein					
Witnessed and shockable	137 (1.5)	62 (45.3)	68 (49.6)	51 (37.2)	46 (33.6)
Bystander witnessed and shockable	121 (1.3)	55 (45.5)	60 (49.6)	43 (35.5)	39 (32.2)
Hypothermia					
Field hypothermia	117 (1.3)	27 (23.1)	28 (23.9)	6 (5.1)	5 (4.3)
In-hospital hypothermia/TTM (among admitted patients)	297 (18.7)	--	--	88 (29.6)	62 (20.9)

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=76).

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

[†]CPC missing for 3 patients.

CARES Survival Report

All Agencies/National Data

Date of Arrest: From 01/01/2013 Through 12/31/2021 | Non-Traumatic Etiology

	Age = 1 - 12 years N = 5938				
	Total N (%)	Sustained ROSC (%)	Survival to hospital admission (%)	Survival to hospital discharge (%)	Survival to discharge with CPC 1 or 2 [†] (%)
Total	5938	1555 (26.2)	2151 (36.2)	876 (14.8)	675 (11.4)
Location of Arrest					
Home/Residence	4928 (83.0)	1169 (23.7)	1655 (33.6)	596 (12.1)	434 (8.8)
Nursing Home	22 (0.4)	7 (31.8)	10 (45.5)	3 (13.6)	1 (4.5)
Public Setting	988 (16.6)	379 (38.4)	486 (49.2)	277 (28.0)	240 (24.3)
Arrest Witnessed Status					
Unwitnessed	3754 (63.2)	695 (18.5)	1084 (28.9)	334 (8.9)	241 (6.4)
Bystander witnessed	1806 (30.4)	734 (40.6)	889 (49.2)	460 (25.5)	372 (20.6)
911 Responder witnessed	378 (6.4)	126 (33.3)	178 (47.1)	82 (21.7)	62 (16.4)
Bystander CPR*					
Bystander CPR	2903 (52.2)	892 (30.7)	1152 (39.7)	515 (17.7)	409 (14.1)
No Bystander CPR	2656 (47.8)	537 (20.2)	821 (30.9)	279 (10.5)	204 (7.7)
Bystander CPR (excludes nursing home/healthcare facility events)	2795 (51.4)	851 (30.4)	1104 (39.5)	492 (17.6)	395 (14.1)
No Bystander CPR (excludes nursing home/healthcare facility events)	2641 (48.6)	534 (20.2)	815 (30.9)	278 (10.5)	203 (7.7)
Initial Arrest Rhythm					
Shockable	365 (6.1)	177 (48.5)	204 (55.9)	143 (39.2)	128 (35.1)
Non-shockable	5571 (93.9)	1377 (24.7)	1946 (34.9)	732 (13.1)	546 (9.8)
AED Use					
Bystander AED use*	118 (2.1)	63 (53.4)	68 (57.6)	47 (39.8)	38 (32.2)
Bystander AED use* (excludes nursing home/healthcare facility events)	79 (1.5)	48 (60.8)	50 (63.3)	37 (46.8)	33 (41.8)
Trained provider (First Responder) AED use	1186 (20.0)	315 (26.6)	406 (34.2)	120 (10.1)	89 (7.5)
Utstein					
Witnessed and shockable	241 (4.1)	136 (56.4)	159 (66.0)	116 (48.1)	105 (43.6)
Bystander witnessed and shockable	207 (3.5)	127 (61.4)	143 (69.1)	109 (52.7)	99 (47.8)
Hypothermia					
Field hypothermia	124 (2.1)	66 (53.2)	69 (55.6)	19 (15.3)	12 (9.7)
In-hospital hypothermia/TTM (among admitted patients)	381 (17.7)	--	--	116 (30.4)	79 (20.7)

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=49).

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

[†]CPC missing for 15 patients.

CARES Survival Report

All Agencies/National Data

Date of Arrest: From 01/01/2013 Through 12/31/2021 | Non-Traumatic Etiology

	Age = 13 - 18 years N = 3949				
	Total N (%)	Sustained ROSC (%)	Survival to hospital admission (%)	Survival to hospital discharge (%)	Survival to discharge with CPC 1 or 2 [†] (%)
Total	3949	1463 (37.0)	1575 (39.9)	764 (19.3)	666 (16.9)
Location of Arrest					
Home/Residence	3003 (76.0)	983 (32.7)	1040 (34.6)	416 (13.9)	346 (11.5)
Nursing Home	24 (0.6)	10 (41.7)	10 (41.7)	6 (25.0)	1 (4.2)
Public Setting	922 (23.3)	470 (51.0)	525 (56.9)	342 (37.1)	319 (34.6)
Arrest Witnessed Status					
Unwitnessed	2303 (58.3)	595 (25.8)	639 (27.7)	198 (8.6)	156 (6.8)
Bystander witnessed	1345 (34.1)	744 (55.3)	781 (58.1)	496 (36.9)	457 (34.0)
911 Responder witnessed	301 (7.6)	124 (41.2)	155 (51.5)	70 (23.3)	53 (17.6)
Bystander CPR*					
Bystander CPR	1837 (50.4)	774 (42.1)	813 (44.3)	445 (24.2)	403 (21.9)
No Bystander CPR	1810 (49.6)	565 (31.2)	607 (33.5)	249 (13.8)	210 (11.6)
Bystander CPR (excludes nursing home/healthcare facility events)	1790 (49.9)	755 (42.2)	788 (44.0)	434 (24.2)	396 (22.1)
No Bystander CPR (excludes nursing home/healthcare facility events)	1795 (50.1)	559 (31.1)	600 (33.4)	245 (13.6)	206 (11.5)
Initial Arrest Rhythm					
Shockable	746 (18.9)	475 (63.7)	510 (68.4)	415 (55.6)	394 (52.8)
Non-shockable	3201 (81.1)	986 (30.8)	1063 (33.2)	347 (10.8)	270 (8.4)
AED Use					
Bystander AED use*	171 (4.7)	116 (67.8)	123 (71.9)	95 (55.6)	91 (53.2)
Bystander AED use* (excludes nursing home/healthcare facility events)	148 (4.1)	105 (70.9)	107 (72.3)	88 (59.5)	86 (58.1)
Trained provider (First Responder) AED use	992 (25.1)	378 (38.1)	388 (39.1)	185 (18.6)	163 (16.4)
Utstein					
Witnessed and shockable	580 (14.7)	396 (68.3)	425 (73.3)	363 (62.6)	347 (59.8)
Bystander witnessed and shockable	528 (13.4)	371 (70.3)	391 (74.1)	341 (64.6)	327 (61.9)
Hypothermia					
Field hypothermia	180 (4.6)	114 (63.3)	106 (58.9)	44 (24.4)	38 (21.1)
In-hospital hypothermia/TTM (among admitted patients)	515 (32.7)	--	--	244 (47.4)	207 (40.2)

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=23).

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

[†]CPC missing for 8 patients.

CARES Survival Report

All Agencies/National Data

Date of Arrest: From 01/01/2013 Through 12/31/2021 | Non-Traumatic Etiology

	Age = >18 years N = 714402				
	Total N (%)	Sustained ROSC (%)	Survival to hospital admission (%)	Survival to hospital discharge (%)	Survival to discharge with CPC 1 or 2 [†] (%)
Total	714402	216043 (30.2)	192605 (27.0)	71789 (10.0)	57076 (8.0)
Location of Arrest					
Home/Residence	507591 (71.1)	146506 (28.9)	128739 (25.4)	42729 (8.4)	33278 (6.6)
Nursing Home	78035 (10.9)	18601 (23.8)	13213 (16.9)	3292 (4.2)	1562 (2.0)
Public Setting	128766 (18.0)	50936 (39.6)	50652 (39.3)	25768 (20.0)	22236 (17.3)
Arrest Witnessed Status					
Unwitnessed	355637 (49.8)	71743 (20.2)	61507 (17.3)	15794 (4.4)	11453 (3.2)
Bystander witnessed	268837 (37.6)	107610 (40.0)	95460 (35.5)	40431 (15.0)	33037 (12.3)
911 Responder witnessed	89889 (12.6)	36677 (40.8)	35626 (39.6)	15558 (17.3)	12583 (14.0)
Bystander CPR*					
Bystander CPR	288253 (46.2)	89665 (31.1)	78162 (27.1)	32384 (11.2)	26563 (9.2)
No Bystander CPR	336191 (53.8)	89686 (26.7)	78799 (23.4)	23839 (7.1)	17925 (5.3)
Bystander CPR (excludes nursing home/healthcare facility events)	209183 (39.6)	68257 (32.6)	61888 (29.6)	26833 (12.8)	22880 (10.9)
No Bystander CPR (excludes nursing home/healthcare facility events)	319671 (60.4)	85436 (26.7)	75678 (23.7)	23057 (7.2)	17471 (5.5)
Initial Arrest Rhythm					
Shockable	132126 (18.5)	63284 (47.9)	62193 (47.1)	37172 (28.1)	32685 (24.7)
Non-shockable	582193 (81.5)	152703 (26.2)	130354 (22.4)	34567 (5.9)	24345 (4.2)
AED Use					
Bystander AED use*	41983 (6.7)	14490 (34.5)	12447 (29.6)	6539 (15.6)	5504 (13.1)
Bystander AED use* (excludes nursing home/healthcare facility events)	10948 (2.1)	5189 (47.4)	5057 (46.2)	3491 (31.9)	3256 (29.7)
Trained provider (First Responder) AED use	159237 (22.3)	46998 (29.5)	40433 (25.4)	15252 (9.6)	12621 (7.9)
Utstein					
Witnessed and shockable	94404 (13.2)	49843 (52.8)	49114 (52.0)	31201 (33.1)	27843 (29.5)
Bystander witnessed and shockable	78349 (11.0)	40876 (52.2)	40211 (51.3)	24883 (31.8)	21982 (28.1)
Hypothermia					
Field hypothermia	39439 (5.5)	23903 (60.6)	19388 (49.2)	6797 (17.2)	5034 (12.8)
In-hospital hypothermia/TTM (among admitted patients)	87924 (45.6)	--	--	28701 (32.6)	21279 (24.2)

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=1524).

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

[†]CPC missing for 759 patients.