

CARES Survival Report

All Agencies/National Data

Date of Arrest: From 01/01/2013 Through 12/31/2020 | Non-Traumatic Etiology

	OVERALL N = 586779				
	Total N (%)	Sustained ROSC (%)	Survival to hospital admission (%)	Survival to hospital discharge (%)	Survival to discharge with CPC 1 or 2 [†] (%)
Total	586779	180166 (30.7)	161363 (27.5)	60450 (10.3)	48306 (8.2)
Location of Arrest					
Home/Residence	415774 (70.9)	121228 (29.2)	107231 (25.8)	35664 (8.6)	27851 (6.7)
Nursing Home	63404 (10.8)	15651 (24.7)	11164 (17.6)	2739 (4.3)	1334 (2.1)
Public Setting	107592 (18.3)	43287 (40.2)	42967 (39.9)	22047 (20.5)	19121 (17.8)
Arrest Witnessed Status					
Unwitnessed	295043 (50.3)	60040 (20.3)	52243 (17.7)	13316 (4.5)	9661 (3.3)
Bystander witnessed	218678 (37.3)	89756 (41.0)	79732 (36.5)	34217 (15.6)	28175 (12.9)
911 Responder witnessed	73029 (12.4)	30359 (41.6)	29378 (40.2)	12912 (17.7)	10468 (14.3)
Bystander CPR*					
Bystander CPR	237319 (46.2)	75249 (31.7)	66089 (27.8)	27597 (11.6)	22796 (9.6)
No Bystander CPR	276377 (53.8)	74545 (27.0)	65881 (23.8)	19934 (7.2)	15038 (5.4)
Bystander CPR (excludes nursing home/healthcare facility events)	172934 (39.7)	57274 (33.1)	52385 (30.3)	22993 (13.3)	19695 (11.4)
No Bystander CPR (excludes nursing home/healthcare facility events)	262620 (60.3)	70915 (27.0)	63223 (24.1)	19272 (7.3)	14649 (5.6)
Initial Arrest Rhythm					
Shockable	109361 (18.6)	53263 (48.7)	52151 (47.7)	31488 (28.8)	27798 (25.4)
Non-shockable	477351 (81.4)	126856 (26.6)	109165 (22.9)	28923 (6.1)	20472 (4.3)
AED Use					
Bystander AED use*	34045 (6.6)	12128 (35.6)	10490 (30.8)	5551 (16.3)	4717 (13.9)
Bystander AED use* (excludes nursing home/healthcare facility events)	9338 (2.1)	4554 (48.8)	4428 (47.4)	3074 (32.9)	2871 (30.7)
Trained provider (First Responder) AED use	130420 (22.2)	39130 (30.0)	33872 (26.0)	12844 (9.8)	10639 (8.2)
Utstein					
Witnessed and shockable	78120 (13.3)	42000 (53.8)	41204 (52.7)	26485 (33.9)	23727 (30.4)
Bystander witnessed and shockable	64950 (11.1)	34508 (53.1)	33835 (52.1)	21225 (32.7)	18838 (29.0)
Hypothermia					
Field hypothermia	35133 (6.0)	21614 (61.5)	17579 (50.0)	6195 (17.6)	4631 (13.2)
In-hospital hypothermia/TTM (among admitted patients)	72896 (45.2)	--	--	24145 (33.1)	18157 (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=1424).

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

[†]CPC missing for 767 patients.

CARES Survival Report

All Agencies/National Data

Date of Arrest: From 01/01/2013 Through 12/31/2020 | Non-Traumatic Etiology

	Age = <1 years N = 7756				
	Total N (%)	Sustained ROSC (%)	Survival to hospital admission (%)	Survival to hospital discharge (%)	Survival to discharge with CPC 1 or 2 [†] (%)
Total	7756	903 (11.6)	1328 (17.1)	467 (6.0)	372 (4.8)
Location of Arrest					
Home/Residence	7087 (91.4)	776 (10.9)	1171 (16.5)	397 (5.6)	316 (4.5)
Nursing Home	17 (0.2)	1 (5.9)	2 (11.8)	1 (5.9)	1 (5.9)
Public Setting	651 (8.4)	126 (19.4)	155 (23.8)	69 (10.6)	55 (8.4)
Arrest Witnessed Status					
Unwitnessed	6295 (81.2)	446 (7.1)	756 (12.0)	163 (2.6)	109 (1.7)
Bystander witnessed	1254 (16.2)	380 (30.3)	482 (38.4)	246 (19.6)	214 (17.1)
911 Responder witnessed	207 (2.7)	77 (37.2)	90 (43.5)	58 (28.0)	49 (23.7)
Bystander CPR*					
Bystander CPR	3533 (46.8)	449 (12.7)	643 (18.2)	237 (6.7)	188 (5.3)
No Bystander CPR	4016 (53.2)	377 (9.4)	595 (14.8)	172 (4.3)	135 (3.4)
Bystander CPR (excludes nursing home/healthcare facility events)	3454 (46.4)	420 (12.2)	617 (17.9)	225 (6.5)	178 (5.2)
No Bystander CPR (excludes nursing home/healthcare facility events)	3987 (53.6)	371 (9.3)	587 (14.7)	170 (4.3)	134 (3.4)
Initial Arrest Rhythm					
Shockable	244 (3.1)	67 (27.5)	77 (31.6)	49 (20.1)	43 (17.6)
Non-shockable	7510 (96.9)	835 (11.1)	1250 (16.6)	417 (5.6)	328 (4.4)
AED Use					
Bystander AED use*	37 (0.5)	9 (24.3)	9 (24.3)	4 (10.8)	2 (5.4)
Bystander AED use* (excludes nursing home/healthcare facility events)	18 (0.2)	5 (27.8)	5 (27.8)	3 (16.7)	2 (11.1)
Trained provider (First Responder) AED use	1002 (12.9)	108 (10.8)	155 (15.5)	44 (4.4)	34 (3.4)
Utstein					
Witnessed and shockable	118 (1.5)	53 (44.9)	57 (48.3)	42 (35.6)	38 (32.2)
Bystander witnessed and shockable	104 (1.3)	47 (45.2)	50 (48.1)	35 (33.7)	32 (30.8)
Hypothermia					
Field hypothermia	97 (1.3)	22 (22.7)	22 (22.7)	6 (6.2)	5 (5.2)
In-hospital hypothermia/TTM (among admitted patients)	243 (18.3)	--	--	73 (30.0)	52 (21.4)

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=55).

*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 12/31/2020 | Non-Traumatic Etiology

	Age = 1 - 12 years N = 4856				
	Total N (%)	Sustained ROSC (%)	Survival to hospital admission (%)	Survival to hospital discharge (%)	Survival to discharge with CPC 1 or 2 [†] (%)
Total	4856	1264 (26.0)	1725 (35.5)	716 (14.7)	543 (11.2)
Location of Arrest					
Home/Residence	4014 (82.7)	937 (23.3)	1308 (32.6)	480 (12.0)	342 (8.5)
Nursing Home	16 (0.3)	5 (31.2)	8 (50.0)	2 (12.5)	0 (0.0)
Public Setting	826 (17.0)	322 (39.0)	409 (49.5)	234 (28.3)	201 (24.3)
Arrest Witnessed Status					
Unwitnessed	3062 (63.1)	558 (18.2)	856 (28.0)	267 (8.7)	189 (6.2)
Bystander witnessed	1472 (30.3)	599 (40.7)	719 (48.8)	378 (25.7)	302 (20.5)
911 Responder witnessed	322 (6.6)	107 (33.2)	150 (46.6)	71 (22.0)	52 (16.1)
Bystander CPR*					
Bystander CPR	2377 (52.4)	737 (31.0)	941 (39.6)	425 (17.9)	336 (14.1)
No Bystander CPR	2156 (47.6)	420 (19.5)	634 (29.4)	220 (10.2)	155 (7.2)
Bystander CPR (excludes nursing home/healthcare facility events)	2286 (51.6)	700 (30.6)	899 (39.3)	404 (17.7)	324 (14.2)
No Bystander CPR (excludes nursing home/healthcare facility events)	2143 (48.4)	418 (19.5)	629 (29.4)	219 (10.2)	154 (7.2)
Initial Arrest Rhythm					
Shockable	298 (6.1)	148 (49.7)	167 (56.0)	122 (40.9)	111 (37.2)
Non-shockable	4556 (93.9)	1115 (24.5)	1557 (34.2)	593 (13.0)	431 (9.5)
AED Use					
Bystander AED use*	97 (2.1)	56 (57.7)	59 (60.8)	41 (42.3)	32 (33.0)
Bystander AED use* (excludes nursing home/healthcare facility events)	65 (1.5)	42 (64.6)	43 (66.2)	31 (47.7)	27 (41.5)
Trained provider (First Responder) AED use	940 (19.4)	250 (26.6)	319 (33.9)	98 (10.4)	71 (7.6)
Utstein					
Witnessed and shockable	195 (4.0)	113 (57.9)	130 (66.7)	99 (50.8)	91 (46.7)
Bystander witnessed and shockable	167 (3.4)	106 (63.5)	119 (71.3)	93 (55.7)	86 (51.5)
Hypothermia					
Field hypothermia	103 (2.1)	54 (52.4)	54 (52.4)	16 (15.5)	10 (9.7)
In-hospital hypothermia/TTM (among admitted patients)	308 (17.9)	--	--	97 (31.5)	66 (21.4)

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=44).

*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 12/31/2020 | Non-Traumatic Etiology

	Age = 13 - 18 years N = 3106				
	Total N (%)	Sustained ROSC (%)	Survival to hospital admission (%)	Survival to hospital discharge (%)	Survival to discharge with CPC 1 or 2 [†] (%)
Total	3106	1188 (38.2)	1275 (41.0)	632 (20.3)	552 (17.8)
Location of Arrest					
Home/Residence	2320 (74.7)	784 (33.8)	825 (35.6)	338 (14.6)	281 (12.1)
Nursing Home	19 (0.6)	8 (42.1)	8 (42.1)	5 (26.3)	1 (5.3)
Public Setting	767 (24.7)	396 (51.6)	442 (57.6)	289 (37.7)	270 (35.2)
Arrest Witnessed Status					
Unwitnessed	1773 (57.1)	467 (26.3)	497 (28.0)	155 (8.7)	124 (7.0)
Bystander witnessed	1080 (34.8)	611 (56.6)	638 (59.1)	411 (38.1)	378 (35.0)
911 Responder witnessed	253 (8.1)	110 (43.5)	140 (55.3)	66 (26.1)	50 (19.8)
Bystander CPR*					
Bystander CPR	1433 (50.2)	627 (43.8)	653 (45.6)	369 (25.8)	334 (23.3)
No Bystander CPR	1420 (49.8)	451 (31.8)	482 (33.9)	197 (13.9)	168 (11.8)
Bystander CPR (excludes nursing home/healthcare facility events)	1394 (49.8)	611 (43.8)	634 (45.5)	359 (25.8)	327 (23.5)
No Bystander CPR (excludes nursing home/healthcare facility events)	1407 (50.2)	445 (31.6)	476 (33.8)	193 (13.7)	164 (11.7)
Initial Arrest Rhythm					
Shockable	624 (20.1)	400 (64.1)	427 (68.4)	345 (55.3)	325 (52.1)
Non-shockable	2480 (79.9)	786 (31.7)	846 (34.1)	285 (11.5)	225 (9.1)
AED Use					
Bystander AED use*	139 (4.9)	102 (73.4)	109 (78.4)	85 (61.2)	81 (58.3)
Bystander AED use* (excludes nursing home/healthcare facility events)	123 (4.4)	94 (76.4)	97 (78.9)	78 (63.4)	76 (61.8)
Trained provider (First Responder) AED use	783 (25.2)	308 (39.3)	315 (40.2)	153 (19.5)	132 (16.9)
Utstein					
Witnessed and shockable	489 (15.7)	341 (69.7)	361 (73.8)	306 (62.6)	291 (59.5)
Bystander witnessed and shockable	441 (14.2)	316 (71.7)	328 (74.4)	284 (64.4)	271 (61.5)
Hypothermia					
Field hypothermia	155 (5.0)	99 (63.9)	93 (60.0)	41 (26.5)	36 (23.2)
In-hospital hypothermia/TTM (among admitted patients)	428 (33.6)	--	--	206 (48.1)	179 (41.8)

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=20).

*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 12/31/2020 | Non-Traumatic Etiology

	Age = >18 years N = 570443				
	Total N (%)	Sustained ROSC (%)	Survival to hospital admission (%)	Survival to hospital discharge (%)	Survival to discharge with CPC 1 or 2 [†] (%)
Total	570443	176652 (31.0)	156858 (27.5)	58531 (10.3)	46747 (8.2)
Location of Arrest					
Home/Residence	401902 (70.5)	118619 (29.5)	103799 (25.8)	34379 (8.6)	26853 (6.7)
Nursing Home	63335 (11.1)	15636 (24.7)	11146 (17.6)	2731 (4.3)	1332 (2.1)
Public Setting	105198 (18.4)	42397 (40.3)	41912 (39.8)	21421 (20.4)	18562 (17.6)
Arrest Witnessed Status					
Unwitnessed	283700 (49.7)	58535 (20.6)	50095 (17.7)	12710 (4.5)	9221 (3.3)
Bystander witnessed	214582 (37.6)	88078 (41.0)	77790 (36.3)	33120 (15.4)	27227 (12.7)
911 Responder witnessed	72132 (12.6)	30028 (41.6)	28963 (40.2)	12696 (17.6)	10297 (14.3)
Bystander CPR*					
Bystander CPR	229810 (46.1)	73391 (31.9)	63797 (27.8)	26533 (11.5)	21908 (9.5)
No Bystander CPR	268448 (53.9)	73220 (27.3)	64083 (23.9)	19295 (7.2)	14538 (5.4)
Bystander CPR (excludes nursing home/healthcare facility events)	165672 (39.4)	55508 (33.5)	50193 (30.3)	21980 (13.3)	18844 (11.4)
No Bystander CPR (excludes nursing home/healthcare facility events)	254755 (60.6)	69604 (27.3)	61444 (24.1)	18640 (7.3)	14155 (5.6)
Initial Arrest Rhythm					
Shockable	108157 (19.0)	52633 (48.7)	51462 (47.6)	30958 (28.6)	27306 (25.2)
Non-shockable	462230 (81.0)	123977 (26.8)	105355 (22.8)	27539 (6.0)	19410 (4.2)
AED Use					
Bystander AED use*	33709 (6.8)	11960 (35.5)	10311 (30.6)	5419 (16.1)	4600 (13.6)
Bystander AED use* (excludes nursing home/healthcare facility events)	9125 (2.2)	4412 (48.4)	4281 (46.9)	2960 (32.4)	2764 (30.3)
Trained provider (First Responder) AED use	127642 (22.4)	38453 (30.1)	33071 (25.9)	12545 (9.8)	10398 (8.1)
Utstein					
Witnessed and shockable	77288 (13.5)	41480 (53.7)	40640 (52.6)	26026 (33.7)	23296 (30.1)
Bystander witnessed and shockable	64210 (11.3)	34026 (53.0)	33322 (51.9)	20801 (32.4)	18438 (28.7)
Hypothermia					
Field hypothermia	34757 (6.1)	21428 (61.7)	17398 (50.1)	6126 (17.6)	4574 (13.2)
In-hospital hypothermia/TTM (among admitted patients)	71860 (45.8)	--	--	23736 (33.0)	17834 (24.8)

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=1284).

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

[†]CPC missing for 738 patients.