

CARES Survival Report

All Agencies/National Data

Date of Arrest: 01/01/20 - 12/31/20 | Non-Traumatic Etiology

	OVERALL N = 127180				
	Total N (%)	Sustained ROSC (%)	Survival to hospital admission (%)	Survival to hospital discharge (%)	Survival to discharge with CPC 1 or 2 [†] (%)
Total	127180	34393 (27.0)	30593 (24.1)	11419 (9.0)	9063 (7.1)
Location of Arrest					
Home/Residence	94443 (74.3)	24705 (26.2)	21726 (23.0)	7401 (7.8)	5810 (6.2)
Nursing Home	13582 (10.7)	2715 (20.0)	1865 (13.7)	502 (3.7)	223 (1.6)
Public Setting	19153 (15.1)	6973 (36.4)	7002 (36.6)	3516 (18.4)	3030 (15.8)
Arrest Witnessed Status					
Unwitnessed	63757 (50.1)	11358 (17.8)	9811 (15.4)	2619 (4.1)	1938 (3.0)
Bystander witnessed	47121 (37.1)	16966 (36.0)	14849 (31.5)	6302 (13.4)	5126 (10.9)
911 Responder witnessed	16296 (12.8)	6067 (37.2)	5933 (36.4)	2498 (15.3)	1999 (12.3)
Bystander CPR*					
Bystander CPR	51810 (46.7)	14142 (27.3)	12248 (23.6)	5062 (9.8)	4178 (8.1)
No Bystander CPR	59058 (53.3)	14182 (24.0)	12412 (21.0)	3859 (6.5)	2886 (4.9)
Bystander CPR (excludes nursing home/healthcare facility events)	37981 (40.2)	10929 (28.8)	9860 (26.0)	4221 (11.1)	3636 (9.6)
No Bystander CPR (excludes nursing home/healthcare facility events)	56570 (59.8)	13635 (24.1)	12006 (21.2)	3747 (6.6)	2823 (5.0)
Initial Arrest Rhythm					
Shockable	20907 (16.4)	9357 (44.8)	9103 (43.5)	5406 (25.9)	4767 (22.8)
Non-shockable	106256 (83.6)	25029 (23.6)	21480 (20.2)	6007 (5.7)	4291 (4.0)
AED Use					
Bystander AED use*	7371 (6.6)	2136 (29.0)	1761 (23.9)	864 (11.7)	693 (9.4)
Bystander AED use* (excludes nursing home/healthcare facility events)	1277 (1.4)	557 (43.6)	550 (43.1)	370 (29.0)	346 (27.1)
Trained provider (First Responder) AED use	26420 (20.8)	7074 (26.8)	6081 (23.0)	2359 (8.9)	1966 (7.4)
Utstein					
Witnessed and shockable	14792 (11.6)	7375 (49.9)	7180 (48.5)	4527 (30.6)	4047 (27.4)
Bystander witnessed and shockable	12212 (9.6)	5999 (49.1)	5830 (47.7)	3575 (29.3)	3158 (25.9)
Hypothermia					
Field hypothermia	4518 (3.6)	2085 (46.1)	1726 (38.2)	600 (13.3)	430 (9.5)
In-hospital hypothermia/TTM (among admitted patients)	13900 (45.4)	--	--	4380 (31.5)	3147 (22.6)

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=196).

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

[†]CPC missing for 7 patients.

CARES Survival Report

All Agencies/National Data

Date of Arrest: 01/01/20 - 12/31/20 | Non-Traumatic Etiology

	Age = <1 years N = 1366				
	Total N (%)	Sustained ROSC (%)	Survival to hospital admission (%)	Survival to hospital discharge (%)	Survival to discharge with CPC 1 or 2 [†] (%)
Total	1366	150 (11.0)	231 (16.9)	89 (6.5)	78 (5.7)
Location of Arrest					
Home/Residence	1265 (92.6)	135 (10.7)	210 (16.6)	77 (6.1)	67 (5.3)
Nursing Home	0 (0.0)	0 (NaN)	0 (NaN)	0 (NaN)	0 (NaN)
Public Setting	101 (7.4)	15 (14.9)	21 (20.8)	12 (11.9)	11 (10.9)
Arrest Witnessed Status					
Unwitnessed	1099 (80.5)	68 (6.2)	114 (10.4)	24 (2.2)	18 (1.6)
Bystander witnessed	233 (17.1)	70 (30.0)	98 (42.1)	50 (21.5)	45 (19.3)
911 Responder witnessed	34 (2.5)	12 (35.3)	19 (55.9)	15 (44.1)	15 (44.1)
Bystander CPR*					
Bystander CPR	578 (43.4)	69 (11.9)	105 (18.2)	36 (6.2)	29 (5.0)
No Bystander CPR	754 (56.6)	69 (9.2)	107 (14.2)	38 (5.0)	34 (4.5)
Bystander CPR (excludes nursing home/healthcare facility events)	572 (43.2)	65 (11.4)	101 (17.7)	33 (5.8)	26 (4.5)
No Bystander CPR (excludes nursing home/healthcare facility events)	752 (56.8)	69 (9.2)	107 (14.2)	38 (5.1)	34 (4.5)
Initial Arrest Rhythm					
Shockable	43 (3.2)	10 (23.3)	12 (27.9)	6 (14.0)	6 (14.0)
Non-shockable	1322 (96.8)	140 (10.6)	219 (16.6)	83 (6.3)	72 (5.4)
AED Use					
Bystander AED use*	2 (0.2)	1 (50.0)	1 (50.0)	0 (0.0)	0 (0.0)
Bystander AED use* (excludes nursing home/healthcare facility events)	1 (0.1)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Trained provider (First Responder) AED use	188 (13.8)	15 (8.0)	23 (12.2)	9 (4.8)	7 (3.7)
Utstein					
Witnessed and shockable	20 (1.5)	8 (40.0)	9 (45.0)	6 (30.0)	6 (30.0)
Bystander witnessed and shockable	18 (1.3)	8 (44.4)	9 (50.0)	6 (33.3)	6 (33.3)
Hypothermia					
Field hypothermia	14 (1.0)	2 (14.3)	2 (14.3)	1 (7.1)	1 (7.1)
In-hospital hypothermia/TTM (among admitted patients)	45 (19.5)	--	--	13 (28.9)	9 (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=12).

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

[†]CPC missing for 0 patients.

CARES Survival Report

All Agencies/National Data

Date of Arrest: 01/01/20 - 12/31/20 | Non-Traumatic Etiology

	Age = 1 - 12 years N = 880				
	Total N (%)	Sustained ROSC (%)	Survival to hospital admission (%)	Survival to hospital discharge (%)	Survival to discharge with CPC 1 or 2 [†] (%)
Total	880	227 (25.8)	323 (36.7)	127 (14.4)	102 (11.6)
Location of Arrest					
Home/Residence	755 (85.8)	176 (23.3)	261 (34.6)	97 (12.8)	79 (10.5)
Nursing Home	5 (0.6)	1 (20.0)	4 (80.0)	1 (20.0)	0 (0.0)
Public Setting	120 (13.6)	50 (41.7)	58 (48.3)	29 (24.2)	23 (19.2)
Arrest Witnessed Status					
Unwitnessed	554 (63.0)	100 (18.1)	170 (30.7)	48 (8.7)	36 (6.5)
Bystander witnessed	269 (30.6)	105 (39.0)	124 (46.1)	63 (23.4)	53 (19.7)
911 Responder witnessed	57 (6.5)	22 (38.6)	29 (50.9)	16 (28.1)	13 (22.8)
Bystander CPR*					
Bystander CPR	441 (53.6)	123 (27.9)	169 (38.3)	66 (15.0)	56 (12.7)
No Bystander CPR	382 (46.4)	82 (21.5)	125 (32.7)	45 (11.8)	33 (8.6)
Bystander CPR (excludes nursing home/healthcare facility events)	427 (52.8)	116 (27.2)	160 (37.5)	64 (15.0)	55 (12.9)
No Bystander CPR (excludes nursing home/healthcare facility events)	381 (47.2)	82 (21.5)	125 (32.8)	45 (11.8)	33 (8.7)
Initial Arrest Rhythm					
Shockable	58 (6.6)	30 (51.7)	34 (58.6)	23 (39.7)	20 (34.5)
Non-shockable	821 (93.4)	197 (24.0)	289 (35.2)	104 (12.7)	82 (10.0)
AED Use					
Bystander AED use*	15 (1.8)	9 (60.0)	10 (66.7)	6 (40.0)	4 (26.7)
Bystander AED use* (excludes nursing home/healthcare facility events)	6 (0.7)	4 (66.7)	4 (66.7)	4 (66.7)	3 (50.0)
Trained provider (First Responder) AED use	178 (20.2)	45 (25.3)	53 (29.8)	18 (10.1)	13 (7.3)
Utstein					
Witnessed and shockable	34 (3.9)	21 (61.8)	26 (76.5)	18 (52.9)	17 (50.0)
Bystander witnessed and shockable	29 (3.3)	19 (65.5)	23 (79.3)	16 (55.2)	16 (55.2)
Hypothermia					
Field hypothermia	13 (1.5)	3 (23.1)	5 (38.5)	2 (15.4)	1 (7.7)
In-hospital hypothermia/TTM (among admitted patients)	53 (16.4)	--	--	16 (30.2)	11 (20.8)

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=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

Date of Arrest: 01/01/20 - 12/31/20 | Non-Traumatic Etiology

	Age = 13 - 18 years N = 736				
	Total N (%)	Sustained ROSC (%)	Survival to hospital admission (%)	Survival to hospital discharge (%)	Survival to discharge with CPC 1 or 2 [†] (%)
Total	736	273 (37.1)	289 (39.3)	156 (21.2)	138 (18.8)
Location of Arrest					
Home/Residence	588 (79.9)	204 (34.7)	212 (36.1)	106 (18.0)	93 (15.8)
Nursing Home	5 (0.7)	1 (20.0)	1 (20.0)	1 (20.0)	0 (0.0)
Public Setting	143 (19.4)	68 (47.6)	76 (53.1)	49 (34.3)	45 (31.5)
Arrest Witnessed Status					
Unwitnessed	430 (58.4)	118 (27.4)	111 (25.8)	44 (10.2)	36 (8.4)
Bystander witnessed	241 (32.7)	127 (52.7)	141 (58.5)	96 (39.8)	89 (36.9)
911 Responder witnessed	65 (8.8)	28 (43.1)	37 (56.9)	16 (24.6)	13 (20.0)
Bystander CPR*					
Bystander CPR	339 (50.5)	147 (43.4)	149 (44.0)	87 (25.7)	79 (23.3)
No Bystander CPR	332 (49.5)	98 (29.5)	103 (31.0)	53 (16.0)	46 (13.9)
Bystander CPR (excludes nursing home/healthcare facility events)	328 (49.9)	143 (43.6)	146 (44.5)	85 (25.9)	78 (23.8)
No Bystander CPR (excludes nursing home/healthcare facility events)	329 (50.1)	97 (29.5)	102 (31.0)	52 (15.8)	45 (13.7)
Initial Arrest Rhythm					
Shockable	118 (16.0)	79 (66.9)	83 (70.3)	72 (61.0)	67 (56.8)
Non-shockable	618 (84.0)	194 (31.4)	206 (33.3)	84 (13.6)	71 (11.5)
AED Use					
Bystander AED use*	25 (3.7)	20 (80.0)	21 (84.0)	16 (64.0)	16 (64.0)
Bystander AED use* (excludes nursing home/healthcare facility events)	23 (3.5)	19 (82.6)	20 (87.0)	16 (69.6)	16 (69.6)
Trained provider (First Responder) AED use	172 (23.4)	58 (33.7)	61 (35.5)	31 (18.0)	26 (15.1)
Utstein					
Witnessed and shockable	97 (13.2)	69 (71.1)	75 (77.3)	66 (68.0)	61 (62.9)
Bystander witnessed and shockable	85 (11.5)	63 (74.1)	66 (77.6)	60 (70.6)	57 (67.1)
Hypothermia					
Field hypothermia	24 (3.3)	14 (58.3)	13 (54.2)	7 (29.2)	6 (25.0)
In-hospital hypothermia/TTM (among admitted patients)	84 (29.1)	--	--	41 (48.8)	35 (41.7)

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=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

Date of Arrest: 01/01/20 - 12/31/20 | Non-Traumatic Etiology

	Age = >18 years N = 124088				
	Total N (%)	Sustained ROSC (%)	Survival to hospital admission (%)	Survival to hospital discharge (%)	Survival to discharge with CPC 1 or 2 [†] (%)
Total	124088	33716 (27.2)	29721 (24.0)	11029 (8.9)	8730 (7.0)
Location of Arrest					
Home/Residence	91754 (73.9)	24169 (26.3)	21020 (22.9)	7107 (7.7)	5560 (6.1)
Nursing Home	13566 (10.9)	2713 (20.0)	1860 (13.7)	500 (3.7)	223 (1.6)
Public Setting	18766 (15.1)	6834 (36.4)	6841 (36.5)	3422 (18.2)	2947 (15.7)
Arrest Witnessed Status					
Unwitnessed	61637 (49.7)	11069 (18.0)	9410 (15.3)	2498 (4.1)	1844 (3.0)
Bystander witnessed	46325 (37.3)	16647 (35.9)	14468 (31.2)	6084 (13.1)	4931 (10.6)
911 Responder witnessed	16120 (13.0)	5998 (37.2)	5843 (36.2)	2447 (15.2)	1955 (12.1)
Bystander CPR*					
Bystander CPR	50425 (46.7)	13796 (27.4)	11818 (23.4)	4867 (9.7)	4008 (7.9)
No Bystander CPR	57527 (53.3)	13920 (24.2)	12060 (21.0)	3715 (6.5)	2767 (4.8)
Bystander CPR (excludes nursing home/healthcare facility events)	36635 (40.0)	10601 (28.9)	9449 (25.8)	4036 (11.0)	3474 (9.5)
No Bystander CPR (excludes nursing home/healthcare facility events)	55047 (60.0)	13374 (24.3)	11655 (21.2)	3604 (6.5)	2705 (4.9)
Initial Arrest Rhythm					
Shockable	20684 (16.7)	9237 (44.7)	8972 (43.4)	5304 (25.6)	4674 (22.6)
Non-shockable	103392 (83.3)	24472 (23.7)	20740 (20.1)	5719 (5.5)	4051 (3.9)
AED Use					
Bystander AED use*	7315 (6.8)	2106 (28.8)	1729 (23.6)	842 (11.5)	673 (9.2)
Bystander AED use* (excludes nursing home/healthcare facility events)	1245 (1.4)	534 (42.9)	526 (42.2)	350 (28.1)	327 (26.3)
Trained provider (First Responder) AED use	25874 (20.9)	6956 (26.9)	5943 (23.0)	2301 (8.9)	1920 (7.4)
Utstein					
Witnessed and shockable	14637 (11.8)	7276 (49.7)	7068 (48.3)	4436 (30.3)	3963 (27.1)
Bystander witnessed and shockable	12076 (9.7)	5908 (48.9)	5730 (47.4)	3492 (28.9)	3079 (25.5)
Hypothermia					
Field hypothermia	4466 (3.6)	2066 (46.3)	1706 (38.2)	590 (13.2)	422 (9.4)
In-hospital hypothermia/TTM (among admitted patients)	13712 (46.1)	--	--	4306 (31.4)	3089 (22.5)

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=174).

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

[†]CPC missing for 7 patients.