

CARES Survival Report

Incident State: MI | Date of Arrest: 01/01/24 - 12/31/24 | Non-Traumatic Etiology

	OVERALL N = 8631				
	Total N (%)	Sustained ROSC (%)	Survival to hospital admission (%)	Survival to hospital discharge (%)	Survival to discharge with CPC 1 or 2 [†] (%)
Total	8631	2365 (27.4)	2186 (25.3)	781 (9.0)	628 (7.3)
Location of Arrest					
Home/Residence	6167 (71.5)	1648 (26.7)	1542 (25.0)	515 (8.4)	410 (6.6)
Nursing Home	1298 (15.0)	291 (22.4)	198 (15.3)	46 (3.5)	22 (1.7)
Public Setting	1166 (13.5)	426 (36.5)	446 (38.3)	220 (18.9)	196 (16.8)
Arrest Witnessed Status					
Unwitnessed	4435 (51.4)	781 (17.6)	678 (15.3)	167 (3.8)	112 (2.5)
Bystander witnessed	3250 (37.7)	1228 (37.8)	1116 (34.3)	444 (13.7)	376 (11.6)
911 Responder witnessed	946 (11.0)	356 (37.6)	392 (41.4)	170 (18.0)	140 (14.8)
Bystander CPR*					
Bystander CPR	3802 (49.5)	1050 (27.6)	913 (24.0)	365 (9.6)	291 (7.7)
No Bystander CPR	3882 (50.5)	959 (24.7)	881 (22.7)	246 (6.3)	197 (5.1)
Bystander CPR (excludes nursing home/healthcare facility events)	2481 (40.0)	734 (29.6)	683 (27.5)	301 (12.1)	252 (10.2)
No Bystander CPR (excludes nursing home/healthcare facility events)	3723 (60.0)	916 (24.6)	856 (23.0)	241 (6.5)	192 (5.2)
Initial Arrest Rhythm					
Shockable	1479 (17.1)	681 (46.0)	674 (45.6)	381 (25.8)	336 (22.7)
Non-shockable	7152 (82.9)	1684 (23.5)	1512 (21.1)	400 (5.6)	292 (4.1)
AED Use					
Bystander AED use*	973 (12.7)	251 (25.8)	204 (21.0)	87 (8.9)	68 (7.0)
Bystander AED use* (excludes nursing home/healthcare facility events)	109 (1.8)	45 (41.3)	48 (44.0)	34 (31.2)	34 (31.2)
Trained provider (First Responder) AED use	2378 (27.6)	670 (28.2)	576 (24.2)	216 (9.1)	183 (7.7)
Utstein					
Witnessed and shockable	997 (11.6)	507 (50.9)	505 (50.7)	313 (31.4)	283 (28.4)
Bystander witnessed and shockable	834 (9.7)	425 (51.0)	414 (49.6)	254 (30.5)	229 (27.5)
Hypothermia					
Field hypothermia	0 (0.0)	0 (NaN)	0 (NaN)	0 (NaN)	0 (NaN)
In-hospital hypothermia/TTM (among admitted patients)	786 (36.0)	--	--	250 (31.8)	187 (23.8)

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=1).

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

[†]CPC missing for 0 patients.

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Age = <1 years N = 128					
	Total N (%)	Sustained ROSC (%)	Survival to hospital admission (%)	Survival to hospital discharge (%)	Survival to discharge with CPC 1 or 2 [†] (%)
Total	128	6 (4.7)	16 (12.5)	4 (3.1)	2 (1.6)
Location of Arrest					
Home/Residence	117 (91.4)	6 (5.1)	13 (11.1)	4 (3.4)	2 (1.7)
Nursing Home	0 (0.0)	0 (NaN)	0 (NaN)	0 (NaN)	0 (NaN)
Public Setting	11 (8.6)	0 (0.0)	3 (27.3)	0 (0.0)	0 (0.0)
Arrest Witnessed Status					
Unwitnessed	104 (81.2)	5 (4.8)	12 (11.5)	3 (2.9)	1 (1.0)
Bystander witnessed	24 (18.8)	1 (4.2)	4 (16.7)	1 (4.2)	1 (4.2)
911 Responder witnessed	0 (0.0)	0 (NaN)	0 (NaN)	0 (NaN)	0 (NaN)
Bystander CPR*					
Bystander CPR	49 (38.3)	2 (4.1)	9 (18.4)	2 (4.1)	1 (2.0)
No Bystander CPR	79 (61.7)	4 (5.1)	7 (8.9)	2 (2.5)	1 (1.3)
Bystander CPR (excludes nursing home/healthcare facility events)	48 (37.8)	2 (4.2)	9 (18.8)	2 (4.2)	1 (2.1)
No Bystander CPR (excludes nursing home/healthcare facility events)	79 (62.2)	4 (5.1)	7 (8.9)	2 (2.5)	1 (1.3)
Initial Arrest Rhythm					
Shockable	7 (5.5)	1 (14.3)	2 (28.6)	1 (14.3)	0 (0.0)
Non-shockable	121 (94.5)	5 (4.1)	14 (11.6)	3 (2.5)	2 (1.7)
AED Use					
Bystander AED use*	1 (0.8)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Bystander AED use* (excludes nursing home/healthcare facility events)	0 (0.0)	0 (NaN)	0 (NaN)	0 (NaN)	0 (NaN)
Trained provider (First Responder) AED use	28 (21.9)	3 (10.7)	3 (10.7)	1 (3.6)	0 (0.0)
Utstein					
Witnessed and shockable	1 (0.8)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Bystander witnessed and shockable	1 (0.8)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Hypothermia					
Field hypothermia	0 (0.0)	0 (NaN)	0 (NaN)	0 (NaN)	0 (NaN)
In-hospital hypothermia/TTM (among admitted patients)	1 (6.2)	--	--	1 (100.0)	1 (100.0)

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=0).

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

[†]CPC missing for 0 patients.

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Incident State: MI | Date of Arrest: 01/01/24 - 12/31/24 | Non-Traumatic Etiology

	Age = 1 - 12 years N = 57				
	Total N (%)	Sustained ROSC (%)	Survival to hospital admission (%)	Survival to hospital discharge (%)	Survival to discharge with CPC 1 or 2 [†] (%)
Total	57	12 (21.1)	18 (31.6)	12 (21.1)	6 (10.5)
Location of Arrest					
Home/Residence	47 (82.5)	8 (17.0)	12 (25.5)	7 (14.9)	5 (10.6)
Nursing Home	0 (0.0)	0 (NaN)	0 (NaN)	0 (NaN)	0 (NaN)
Public Setting	10 (17.5)	4 (40.0)	6 (60.0)	5 (50.0)	1 (10.0)
Arrest Witnessed Status					
Unwitnessed	34 (59.6)	5 (14.7)	6 (17.6)	4 (11.8)	3 (8.8)
Bystander witnessed	19 (33.3)	6 (31.6)	10 (52.6)	7 (36.8)	3 (15.8)
911 Responder witnessed	4 (7.0)	1 (25.0)	2 (50.0)	1 (25.0)	0 (0.0)
Bystander CPR*					
Bystander CPR	24 (45.3)	6 (25.0)	8 (33.3)	7 (29.2)	3 (12.5)
No Bystander CPR	29 (54.7)	5 (17.2)	8 (27.6)	4 (13.8)	3 (10.3)
Bystander CPR (excludes nursing home/healthcare facility events)	24 (45.3)	6 (25.0)	8 (33.3)	7 (29.2)	3 (12.5)
No Bystander CPR (excludes nursing home/healthcare facility events)	29 (54.7)	5 (17.2)	8 (27.6)	4 (13.8)	3 (10.3)
Initial Arrest Rhythm					
Shockable	6 (10.5)	1 (16.7)	6 (100.0)	4 (66.7)	2 (33.3)
Non-shockable	51 (89.5)	11 (21.6)	12 (23.5)	8 (15.7)	4 (7.8)
AED Use					
Bystander AED use*	0 (0.0)	0 (NaN)	0 (NaN)	0 (NaN)	0 (NaN)
Bystander AED use* (excludes nursing home/healthcare facility events)	0 (0.0)	0 (NaN)	0 (NaN)	0 (NaN)	0 (NaN)
Trained provider (First Responder) AED use	14 (24.6)	5 (35.7)	4 (28.6)	1 (7.1)	0 (0.0)
Utstein					
Witnessed and shockable	5 (8.8)	0 (0.0)	5 (100.0)	3 (60.0)	1 (20.0)
Bystander witnessed and shockable	4 (7.0)	0 (0.0)	4 (100.0)	2 (50.0)	1 (25.0)
Hypothermia					
Field hypothermia	0 (0.0)	0 (NaN)	0 (NaN)	0 (NaN)	0 (NaN)
In-hospital hypothermia/TTM (among admitted patients)	3 (16.7)	--	--	1 (33.3)	0 (0.0)

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=0).

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

[†]CPC missing for 0 patients.

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Age = 13 - 18 years N = 42					
	Total N (%)	Sustained ROSC (%)	Survival to hospital admission (%)	Survival to hospital discharge (%)	Survival to discharge with CPC 1 or 2 [†] (%)
Total	42	13 (31.0)	15 (35.7)	9 (21.4)	7 (16.7)
Location of Arrest					
Home/Residence	35 (83.3)	9 (25.7)	10 (28.6)	5 (14.3)	3 (8.6)
Nursing Home	1 (2.4)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Public Setting	6 (14.3)	4 (66.7)	5 (83.3)	4 (66.7)	4 (66.7)
Arrest Witnessed Status					
Unwitnessed	23 (54.8)	6 (26.1)	6 (26.1)	4 (17.4)	3 (13.0)
Bystander witnessed	17 (40.5)	7 (41.2)	8 (47.1)	5 (29.4)	4 (23.5)
911 Responder witnessed	2 (4.8)	0 (0.0)	1 (50.0)	0 (0.0)	0 (0.0)
Bystander CPR*					
Bystander CPR	24 (60.0)	8 (33.3)	8 (33.3)	7 (29.2)	5 (20.8)
No Bystander CPR	16 (40.0)	5 (31.2)	6 (37.5)	2 (12.5)	2 (12.5)
Bystander CPR (excludes nursing home/healthcare facility events)	23 (59.0)	8 (34.8)	8 (34.8)	7 (30.4)	5 (21.7)
No Bystander CPR (excludes nursing home/healthcare facility events)	16 (41.0)	5 (31.2)	6 (37.5)	2 (12.5)	2 (12.5)
Initial Arrest Rhythm					
Shockable	11 (26.2)	6 (54.5)	6 (54.5)	6 (54.5)	5 (45.5)
Non-shockable	31 (73.8)	7 (22.6)	9 (29.0)	3 (9.7)	2 (6.5)
AED Use					
Bystander AED use*	1 (2.5)	0 (0.0)	1 (100.0)	1 (100.0)	1 (100.0)
Bystander AED use* (excludes nursing home/healthcare facility events)	1 (2.6)	0 (0.0)	1 (100.0)	1 (100.0)	1 (100.0)
Trained provider (First Responder) AED use	19 (45.2)	11 (57.9)	10 (52.6)	8 (42.1)	6 (31.6)
Utstein					
Witnessed and shockable	6 (14.3)	3 (50.0)	3 (50.0)	3 (50.0)	3 (50.0)
Bystander witnessed and shockable	6 (14.3)	3 (50.0)	3 (50.0)	3 (50.0)	3 (50.0)
Hypothermia					
Field hypothermia	0 (0.0)	0 (NaN)	0 (NaN)	0 (NaN)	0 (NaN)
In-hospital hypothermia/TTM (among admitted patients)	3 (20.0)	--	--	1 (33.3)	1 (33.3)

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=0).

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

[†]CPC missing for 0 patients.

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Incident State: MI | Date of Arrest: 01/01/24 - 12/31/24 | Non-Traumatic Etiology

Age = >18 years N = 8401					
	Total N (%)	Sustained ROSC (%)	Survival to hospital admission (%)	Survival to hospital discharge (%)	Survival to discharge with CPC 1 or 2 [†] (%)
Total	8401	2331 (27.7)	2135 (25.4)	755 (9.0)	612 (7.3)
Location of Arrest					
Home/Residence	5965 (71.0)	1622 (27.2)	1505 (25.2)	498 (8.3)	399 (6.7)
Nursing Home	1297 (15.4)	291 (22.4)	198 (15.3)	46 (3.5)	22 (1.7)
Public Setting	1139 (13.6)	418 (36.7)	432 (37.9)	211 (18.5)	191 (16.8)
Arrest Witnessed Status					
Unwitnessed	4272 (50.9)	763 (17.9)	653 (15.3)	156 (3.7)	105 (2.5)
Bystander witnessed	3190 (38.0)	1214 (38.1)	1094 (34.3)	431 (13.5)	368 (11.5)
911 Responder witnessed	939 (11.2)	354 (37.7)	388 (41.3)	168 (17.9)	139 (14.8)
Bystander CPR*					
Bystander CPR	3705 (49.7)	1034 (27.9)	888 (24.0)	349 (9.4)	282 (7.6)
No Bystander CPR	3756 (50.3)	943 (25.1)	859 (22.9)	238 (6.3)	191 (5.1)
Bystander CPR (excludes nursing home/healthcare facility events)	2386 (39.9)	718 (30.1)	658 (27.6)	285 (11.9)	243 (10.2)
No Bystander CPR (excludes nursing home/healthcare facility events)	3597 (60.1)	900 (25.0)	834 (23.2)	233 (6.5)	186 (5.2)
Initial Arrest Rhythm					
Shockable	1455 (17.3)	673 (46.3)	660 (45.4)	370 (25.4)	329 (22.6)
Non-shockable	6946 (82.7)	1658 (23.9)	1475 (21.2)	385 (5.5)	283 (4.1)
AED Use					
Bystander AED use*	970 (13.0)	251 (25.9)	203 (20.9)	86 (8.9)	67 (6.9)
Bystander AED use* (excludes nursing home/healthcare facility events)	108 (1.8)	45 (41.7)	47 (43.5)	33 (30.6)	33 (30.6)
Trained provider (First Responder) AED use	2316 (27.6)	650 (28.1)	559 (24.1)	206 (8.9)	177 (7.6)
Utstein					
Witnessed and shockable	985 (11.7)	504 (51.2)	497 (50.5)	307 (31.2)	279 (28.3)
Bystander witnessed and shockable	823 (9.8)	422 (51.3)	407 (49.5)	249 (30.3)	225 (27.3)
Hypothermia					
Field hypothermia	0 (0.0)	0 (NaN)	0 (NaN)	0 (NaN)	0 (NaN)
In-hospital hypothermia/TTM (among admitted patients)	779 (36.5)	--	--	247 (31.7)	185 (23.7)

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.