

CARES Summary Report

Demographic and Survival Characteristics of OHCA

Non-Traumatic Etiology | Arrest Witness Status: All | Date of Arrest: From 01/01/2022 Through 01/31/2022

Data	NCTTRAC N=280	State (All Agencies) N=703	National N=9845
Age	N=280	N=703	N=9836
Mean	66.2	63.1	64.0
Median	68.0	66.0	66.0
Gender (%)	N=280	N=703	N=9843
Female	121 (43.2)	288 (41.0)	3985 (40.5)
Male	159 (56.8)	415 (59.0)	5858 (59.5)
Race (%)	N=280	N=703	N=9845
American-Indian/Alaskan	0 (0.0)	1 (0.1)	21 (0.2)
Asian	9 (3.2)	20 (2.8)	271 (2.8)
Black/African-American	50 (17.9)	103 (14.7)	2613 (26.5)
Hispanic/Latino	40 (14.3)	177 (25.2)	852 (8.7)
Native Hawaiian/Pacific Islander	1 (0.4)	3 (0.4)	66 (0.7)
White	157 (56.1)	371 (52.8)	4921 (50.0)
Multi-racial	0 (0.0)	1 (0.1)	47 (0.5)
Unknown	23 (8.2)	27 (3.8)	1054 (10.7)
Location of Arrest (%)	N=280	N=703	N=9836
Home/Residence	194 (69.3)	505 (71.8)	7413 (75.4)
Nursing Home	46 (16.4)	98 (13.9)	976(9.9)
Public Setting	40 (14.3)	100 (14.2)	1447 (14.7)
Arrest witnessed (%)	N=280	N=703	N=9833
Bystander Witnessed	96 (34.3)	257 (36.6)	3461 (35.2)
Witnessed by 911 Responder	35 (12.5)	81 (11.5)	1273 (12.9)
Unwitnessed	149 (53.2)	365 (51.9)	5099 (51.9)
Who Initiated CPR? (%)	N=280	N=703	N=9816
Not Applicable	1 (0.4)	2 (0.3)	42 (0.4)
Bystander	119 (42.5)	305 (43.4)	3740 (38.1)
First Responder	85 (30.4)	227 (32.3)	3262 (33.2)
Emergency Medical Services (EMS)	75 (26.8)	169 (24.0)	2772 (28.2)
Was an AED applied prior to EMS arrival? (%)	N=280	N=703	N=9841
Yes	67 (23.9)	232 (33.0)	3131 (31.8)
No	213 (76.1)	471 (67.0)	6710 (68.2)
Who first applied automated external defibrillator? (%)	N=65	N=229	N=3106
Bystander	23 (35.4)	55 (24.0)	576 (18.5)
First Responder	42 (64.6)	174 (76.0)	2530 (81.5)
Who first defibrillated the patient?* (%)	N=280	N=703	N=9813
Not Applicable	198 (70.7)	500 (71.1)	7060 (71.9)
Bystander	4 (1.4)	10 (1.4)	107 (1.1)
First Responder	32 (11.4)	54 (7.7)	728 (7.4)
Responding EMS Personnel	46 (16.4)	139 (19.8)	1918 (19.5)
First Arrest Rhythm (%)	N=278	N=695	N=9788
Vfib/Vtach/Unknown Shockable Rhythm	40 (14.4)	96 (13.8)	1407 (14.4)
Asystole	170 (61.2)	414 (59.6)	5601 (57.2)
Idioventricular/PEA	64 (23.0)	163 (23.5)	2146 (21.9)
Unknown Unshockable Rhythm	4 (1.4)	22 (3.2)	634 (6.5)
Sustained ROSC (%)	N=275	N=678	N=9573
Yes	62 (22.5)	158 (23.3)	2150 (22.5)
No	213 (77.5)	520 (76.7)	7423 (77.5)
Was hypothermia care provided in the field? (%)	N=280	N=703	N=9777
Yes	0 (0.0)	10 (1.4)	364 (3.7)
No	280 (100.0)	693 (98.6)	9413 (96.3)
Pre-hospital Outcome (%)	N=280	N=703	N=9845
Pronounced in the Field	109 (38.9)	342 (48.6)	4516 (45.9)
Pronounced in ED	41 (14.6)	71 (10.1)	926 (9.4)
Ongoing Resuscitation in ED	130 (46.4)	290 (41.3)	4403 (44.7)
Overall Survival (%)	N=280	N=703	N=9845
Overall Survival to Hospital Admission	23 (8.2)	59 (8.4)	848 (8.6)
Overall Survival to Hospital Discharge	2 (0.7)	13 (1.8)	172 (1.7)
With Good or Moderate Cerebral Performance	1 (0.4)	11 (1.6)	144 (1.5)
Missing hospital outcome	83	180	2653
Utstein¹ Survival (%)	N=20	N=52	N=758
0.0%		7.7%	6.6%
Utstein Bystander² Survival (%)	N=13	N=30	N=396
0.0%		6.7%	7.3%

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.

**This is a new question that was introduced on the 2011 form.*

¹Witnessed by bystander and found in a shockable rhythm

²Witnessed by bystander, found in shockable rhythm, and received some bystander intervention (CPR by bystander and/or AED applied by bystander)

CARES Survival Report

Agency Group: NCTTRAC | Date of Arrest: From 01/01/2022 Through 01/31/2022 | Non-Traumatic Etiology

	OVERALL N = 197				
	Total N (%)	Sustained ROSC (%)	Survival to hospital admission (%)	Survival to hospital discharge (%)	Survival to discharge with CPC 1 or 2 [†] (%)
Total	197	22 (11.2)	14 (7.1)	2 (1.0)	1 (0.5)
Location of Arrest					
Home/Residence	136 (69.0)	17 (12.5)	11 (8.1)	1 (0.7)	0 (0.0)
Nursing Home	38 (19.3)	4 (10.5)	2 (5.3)	1 (2.6)	1 (2.6)
Public Setting	23 (11.7)	1 (4.3)	1 (4.3)	0 (0.0)	0 (0.0)
Arrest Witnessed Status					
Unwitnessed	124 (62.9)	8 (6.5)	6 (4.8)	1 (0.8)	1 (0.8)
Bystander witnessed	53 (26.9)	10 (18.9)	6 (11.3)	1 (1.9)	0 (0.0)
911 Responder witnessed	20 (10.2)	4 (20.0)	2 (10.0)	0 (0.0)	0 (0.0)
Bystander CPR*					
Bystander CPR	86 (48.6)	13 (15.1)	7 (8.1)	2 (2.3)	1 (1.2)
No Bystander CPR	91 (51.4)	5 (5.5)	5 (5.5)	0 (0.0)	0 (0.0)
Bystander CPR (excludes nursing home/healthcare facility events)	50 (37.6)	8 (16.0)	5 (10.0)	1 (2.0)	0 (0.0)
No Bystander CPR (excludes nursing home/healthcare facility events)	83 (62.4)	5 (6.0)	5 (6.0)	0 (0.0)	0 (0.0)
Initial Arrest Rhythm					
Shockable	19 (9.7)	3 (15.8)	1 (5.3)	0 (0.0)	0 (0.0)
Non-shockable	177 (90.3)	19 (10.7)	13 (7.3)	2 (1.1)	1 (0.6)
AED Use					
Bystander AED use*	20 (11.3)	2 (10.0)	1 (5.0)	0 (0.0)	0 (0.0)
Bystander AED use* (excludes nursing home/healthcare facility events)	1 (0.8)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Trained provider (First Responder) AED use	29 (14.7)	1 (3.4)	1 (3.4)	0 (0.0)	0 (0.0)
Utstein					
Witnessed and shockable	9 (4.6)	2 (22.2)	1 (11.1)	0 (0.0)	0 (0.0)
Bystander witnessed and shockable	8 (4.1)	2 (25.0)	1 (12.5)	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)	8 (57.1)	--	--	0 (0.0)	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=83).

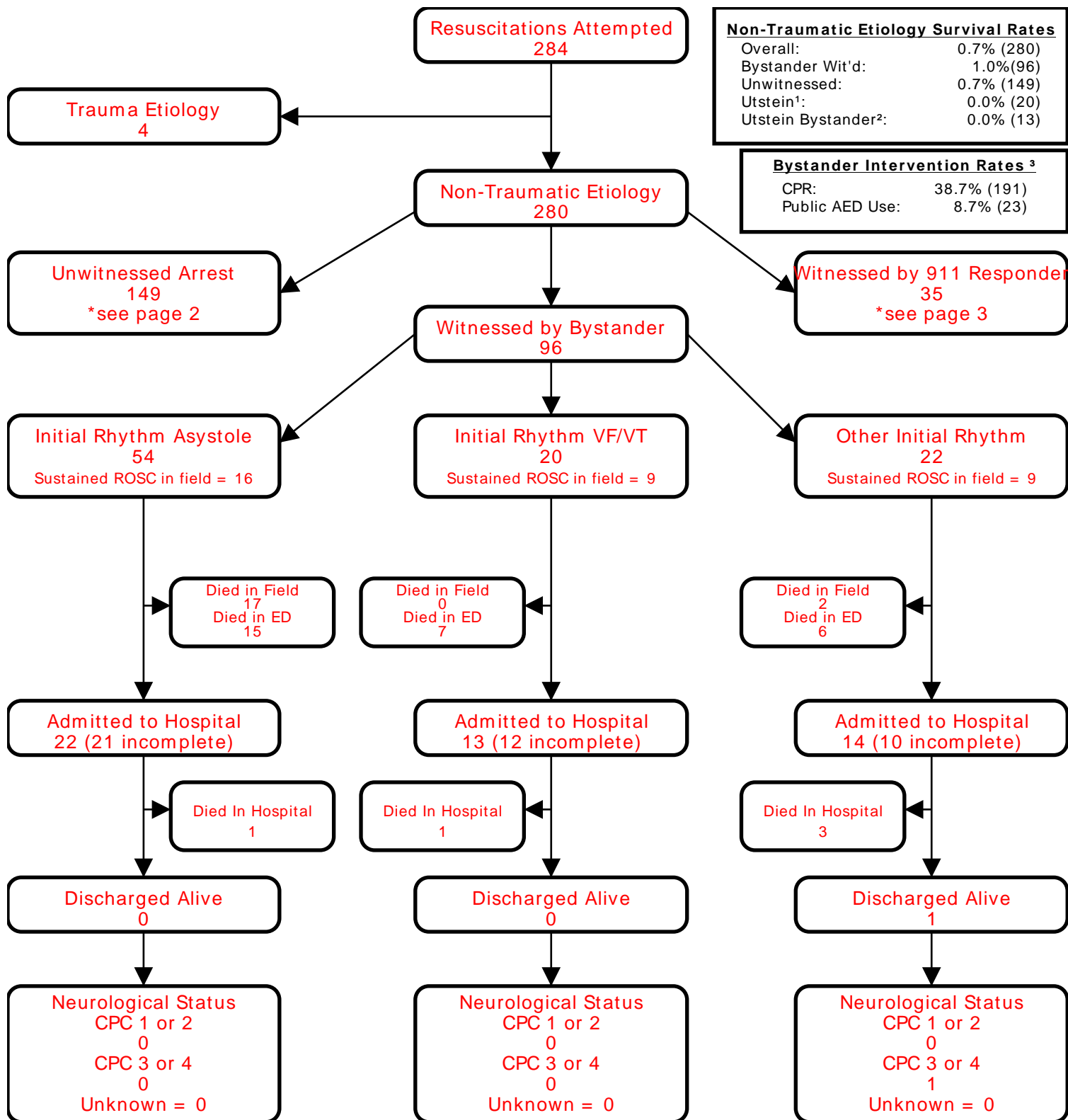
*Bystander CPR and bystander AED use calculations exclude 911 Responder witnessed events.

[†]CPC missing for 0 patients.

Utstein Survival Report

All Agencies

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Non-Traumatic Etiology Survival Rates	
Overall:	0.7% (280)
Bystander Wit'd:	1.0% (96)
Unwitnessed:	0.7% (149)
Utstein ¹ :	0.0% (20)
Utstein Bystander ² :	0.0% (13)

Bystander Intervention Rates ³	
CPR:	38.7% (191)
Public AED Use:	8.7% (23)

¹Utstein: Witnessed by bystander and found in shockable rhythm.

²Utstein Bystander: Witnessed by bystander, found in shockable rhythm, and received some bystander intervention (CPR and/or AED application).

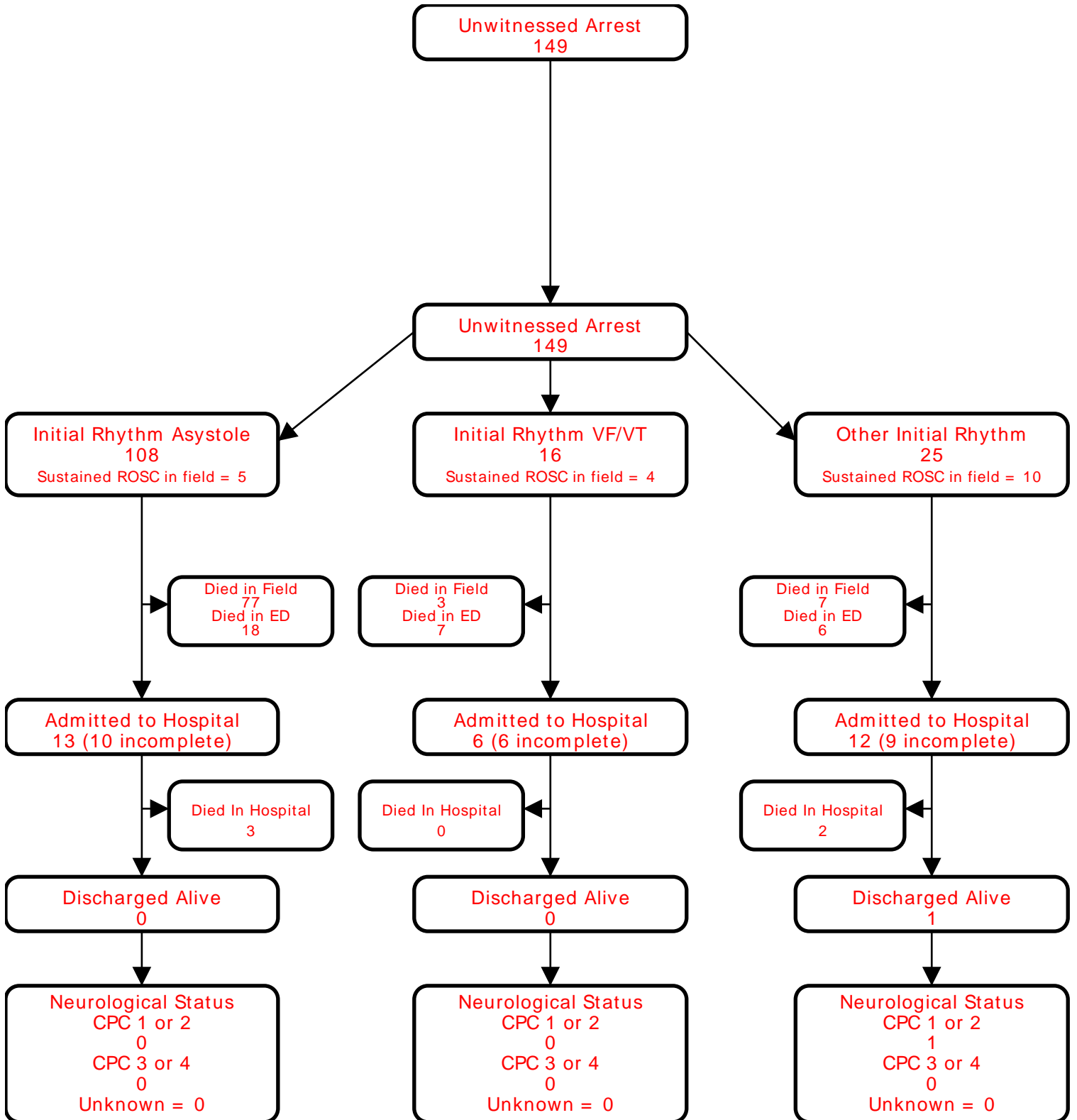
³Bystander CPR rate excludes 911 Responder Witnessed, Nursing Home, and Healthcare Facility arrests. Public AED Use rate excludes 911 Responder Witnessed, Home/Residence, Nursing Home, and Healthcare Facility arrests.

*Only data from the previous calendar year is fully audited. Data from the current calendar year is dynamic.

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