



State of Utah

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## Department of Public Safety

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May 4, 2026

Subject: Utah Cardiac Arrest Registry to Enhance Survival (CARES) 2025 Data Report

To: Utah EMS Agency Director and Medical Director

Please find attached the report of the Utah CARES registry for 2025, including your agency's data. This information on cardiac arrest survival rates has been assembled utilizing information from the Utah EMS ImageTrend reporting system, to which all Utah EMS agencies contribute, combined with patient outcome information submitted by Utah hospitals.

CARES is a CDC-supported standardized registry of cardiac arrests. It utilizes the Utstein format, a standardized reporting format that allows results to be accurately compared between hospitals nationwide. In 2012, we began statewide reporting of cardiac arrest information in an effort to evaluate and improve cardiac care in Utah. In 2018, the Utah Legislature passed SB 150, formally establishing a statewide cardiac registry. As a result, we are now able to measure our success in the management of cardiac arrest patients. This information will inform future improvements in our emergency care protocols and public information campaigns.

We are pleased to present you with this report of your agency's cardiac arrest resuscitation statistics for 2025. It is our hope that this information will be used in your own performance improvement efforts for the management of cardiac arrest patients.

In the report, you will find three sets of outcomes data for reference comparison: national, Utah, and your agency. Definitions and explanations of each category are also provided. Pursuant to Utah Code Ann. §§ 53-2d-103 and 26B-8-406, your individual CARES information will not be shared with anyone else and is not discoverable or reportable. It is provided only to you.

For those interested in learning more about CARES, the full 2025 CARES National Report can be found here: <https://mycares.net/sitepages/reports2025.jsp>

Thank you for your participation in the Utah CARES registry. We hope the information will be valuable for your agency. If you have any questions about this data or about the Utah CARES Registry, please contact the Utah CARES Coordinator, Chris Stratford, RN (801-581-2305 / [chris.stratford@hsc.utah.edu](mailto:chris.stratford@hsc.utah.edu)) or myself (801-803-3217 / [ptailiac@utah.gov](mailto:ptailiac@utah.gov)).

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# CARES Summary Report

## Demographic and Survival Characteristics of OHCA

Non-Traumatic Etiology | Arrest Witness Status: All | Date of Arrest: 01/01/25 - 12/31/25

Data	UNIFIED FIRE AUTHORITY N=295	Utah N=1951	National N=140427
<b>Age</b>	<b>N=295</b>	<b>N=1945</b>	<b>N=140398</b>
Mean	57.4	60.0	63.6
Median	62.0	63.0	67.0
<b>Sex (%)</b>	<b>N=295</b>	<b>N=1951</b>	<b>N=140418</b>
Female	109 (36.9)	686 (35.2)	52343 (37.3)
Male	186 (63.1)	1265 (64.8)	88075 (62.7)
<b>Race (%)</b>	<b>N=295</b>	<b>N=1950</b>	<b>N=140418</b>
American-Indian/Alaskan	0 (0.0)	26 (1.3)	652 (0.5)
Asian	5 (1.7)	23 (1.2)	4126 (2.9)
Black/African-American	8 (2.7)	40 (2.1)	30358 (21.6)
Hispanic/Latino	39 (13.2)	155 (7.9)	13613 (9.7)
Native Hawaiian/Pacific Islander	11 (3.7)	47 (2.4)	636 (0.5)
White	230 (78.0)	1459 (74.8)	74294 (52.9)
Multi-racial	0 (0.0)	10 (0.5)	737 (0.5)
Unknown	2 (0.7)	190 (9.7)	16002 (11.4)
<b>Location of Arrest (%)</b>	<b>N=295</b>	<b>N=1951</b>	<b>N=140425</b>
Home/Residence	207 (70.2)	1400 (71.8)	100323 (71.4)
Nursing Home	32 (10.8)	148 (7.6)	15549 (11.1)
Public Setting	56 (19.0)	403 (20.7)	24553 (17.5)
<b>Arrest witnessed (%)</b>	<b>N=295</b>	<b>N=1951</b>	<b>N=140425</b>
Bystander Witnessed	108 (36.6)	752 (38.5)	53268 (37.9)
Witnessed by 911 Responder	27 (9.2)	188 (9.6)	17695 (12.6)
Unwitnessed	160 (54.2)	1011 (51.8)	69462 (49.5)
<b>Who Initiated CPR? (%)</b>	<b>N=295</b>	<b>N=1951</b>	<b>N=140417</b>
Not Applicable	0 (0.0)	0 (0.0)	41 (0.0)
Bystander	156 (52.9)	920 (47.2)	59843 (42.6)
First Responder	49 (16.6)	519 (26.6)	42014 (29.9)
Emergency Medical Services (EMS)	90 (30.5)	512 (26.2)	38519 (27.4)
<b>Was an AED applied prior to EMS arrival? (%)</b>	<b>N=295</b>	<b>N=1951</b>	<b>N=140424</b>
Yes	39 (13.2)	348 (17.8)	41349 (29.4)
No	256 (86.8)	1603 (82.2)	99075 (70.6)
<b>Who first applied automated external defibrillator? (%)</b>	<b>N=38</b>	<b>N=402</b>	<b>N=42818</b>
Bystander	29 (76.3)	159 (39.6)	10011 (23.4)
First Responder	9 (23.7)	243 (60.4)	32807 (76.6)
<b>Who first defibrillated the patient?* (%)</b>	<b>N=295</b>	<b>N=1951</b>	<b>N=140424</b>
Not Applicable	228 (77.3)	1238 (63.5)	96582 (68.8)
Bystander	2 (0.7)	31 (1.6)	2552 (1.8)
First Responder	2 (0.7)	60 (3.1)	11467 (8.2)
Responding EMS Personnel	63 (21.4)	622 (31.9)	29823 (21.2)
<b>First Arrest Rhythm (%)</b>	<b>N=295</b>	<b>N=1951</b>	<b>N=140410</b>
Vfib/Vtach/Unknown Shockable Rhythm	46 (15.6)	425 (21.8)	25916 (18.5)
Asystole	160 (54.2)	909 (46.6)	70370 (50.1)
Idioventricular/PEA	51 (17.3)	356 (18.2)	32350 (23.0)
Unknown Unshockable Rhythm	38 (12.9)	261 (13.4)	11774 (8.4)
<b>Sustained ROSC (%)</b>	<b>N=295</b>	<b>N=1951</b>	<b>N=140423</b>
Yes	65 (22.0)	488 (25.0)	31985 (22.8)
No	230 (78.0)	1463 (75.0)	108438 (77.2)
<b>Was hypothermia care provided in the field? (%)</b>	<b>N=295</b>	<b>N=1948</b>	<b>N=140321</b>
Yes	10 (3.4)	33 (1.7)	4471 (3.2)
No	285 (96.6)	1915 (98.3)	135850 (96.8)
<b>Pre-hospital Outcome (%)</b>	<b>N=295</b>	<b>N=1951</b>	<b>N=140427</b>
Pronounced in the Field	188 (63.7)	1007 (51.6)	60949 (43.4)
Pronounced in ED	9 (3.1)	217 (11.1)	14357 (10.2)
Ongoing Resuscitation in ED	98 (33.2)	727 (37.3)	65121 (46.4)
<b>Overall Survival (%)</b>	<b>N=295</b>	<b>N=1951</b>	<b>N=140427</b>
Overall Survival to Hospital Admission	61 (20.7)	472 (24.2)	35588 (25.3)
Overall Survival to Hospital Discharge	41 (13.9)	232 (11.9)	14768 (10.5)
With Good or Moderate Cerebral Performance	39 (13.2)	202 (10.4)	11608 (8.3)
Missing hospital outcome	1	4	283
<b>Utstein<sup>1</sup> Survival (%)</b>	<b>N=31</b>	<b>N=242</b>	<b>N=15550</b>
	41.9%	34.7%	33.2%
<b>Utstein Bystander<sup>2</sup> Survival (%)</b>	<b>N=20</b>	<b>N=161</b>	<b>N=9509</b>
	60.0%	38.5%	37.0%

*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.*

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

<sup>1</sup>Witnessed by bystander and found in a shockable rhythm

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

# CARES Survival Report

## UNIFIED FIRE AUTHORITY

Date of Arrest: 01/01/25 - 12/31/25 | Non-Traumatic Etiology

	OVERALL				
	N = 294				
	Total N (%)	Sustained ROSC (%)	Survival to hospital admission (%)	Survival to hospital discharge (%)	Survival to discharge with CPC 1 or 2 <sup>†</sup> (%)
<b>Total</b>	294	64 (21.8)	61 (20.7)	41 (13.9)	39 (13.3)
<b>Location of Arrest</b>					
Home/Residence	207 (70.4)	42 (20.3)	41 (19.8)	26 (12.6)	25 (12.1)
Nursing Home	32 (10.9)	6 (18.8)	4 (12.5)	1 (3.1)	1 (3.1)
Public Setting	55 (18.7)	16 (29.1)	16 (29.1)	14 (25.5)	13 (23.6)
<b>Arrest Witnessed Status</b>					
Unwitnessed	160 (54.4)	19 (11.9)	18 (11.2)	9 (5.6)	8 (5.0)
Bystander witnessed	108 (36.7)	35 (32.4)	32 (29.6)	25 (23.1)	24 (22.2)
911 Responder witnessed	26 (8.8)	10 (38.5)	11 (42.3)	7 (26.9)	7 (26.9)
<b>Bystander CPR*</b>					
Bystander CPR	156 (58.2)	36 (23.1)	36 (23.1)	28 (17.9)	26 (16.7)
No Bystander CPR	112 (41.8)	18 (16.1)	14 (12.5)	6 (5.4)	6 (5.4)
Bystander CPR (excludes nursing home/healthcare facility events)	115 (51.6)	27 (23.5)	29 (25.2)	24 (20.9)	23 (20.0)
No Bystander CPR (excludes nursing home/healthcare facility events)	108 (48.4)	18 (16.7)	14 (13.0)	6 (5.6)	6 (5.6)
<b>Initial Arrest Rhythm</b>					
Shockable	46 (15.6)	21 (45.7)	21 (45.7)	20 (43.5)	20 (43.5)
Non-shockable	248 (84.4)	43 (17.3)	40 (16.1)	21 (8.5)	19 (7.7)
<b>AED Use</b>					
Bystander AED use*	29 (10.8)	8 (27.6)	6 (20.7)	3 (10.3)	2 (6.9)
Bystander AED use* (excludes nursing home/healthcare facility events)	3 (1.3)	2 (66.7)	1 (33.3)	1 (33.3)	1 (33.3)
Trained provider (First Responder) AED use	9 (3.1)	1 (11.1)	1 (11.1)	1 (11.1)	1 (11.1)
<b>Utstein</b>					
Witnessed and shockable	35 (11.9)	18 (51.4)	18 (51.4)	17 (48.6)	17 (48.6)
Bystander witnessed and shockable	31 (10.5)	14 (45.2)	14 (45.2)	13 (41.9)	13 (41.9)
<b>Hypothermia</b>					
Field hypothermia	10 (3.4)	3 (30.0)	3 (30.0)	3 (30.0)	3 (30.0)
In-hospital hypothermia/TTM (among admitted patients)	22 (36.1)	--	--	10 (45.5)	9 (40.9)

**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=1).

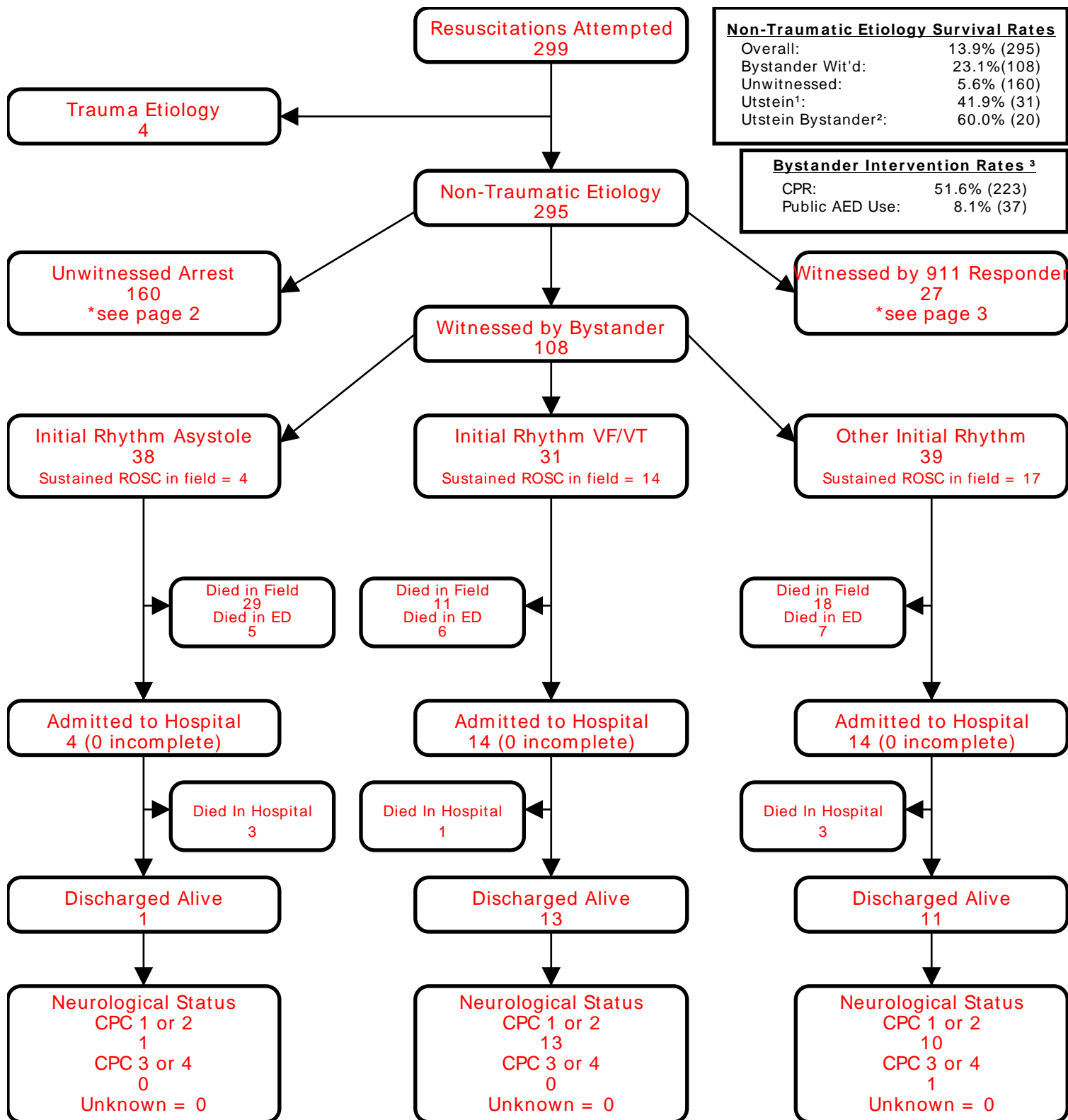
\*Bystander CPR and bystander AED use calculations exclude 911 Responder witnessed events.

<sup>†</sup>CPC missing for 0 patients.

# Utstein Survival Report

UNIFIED FIRE AUTHORITY

Date of Arrest: 01/01/25 - 12/31/25



Non-Traumatic Etiology Survival Rates	
Overall:	13.9% (295)
Bystander Wit'd:	23.1% (108)
Unwitnessed:	5.6% (160)
Utstein <sup>1</sup> :	41.9% (31)
Utstein Bystander <sup>2</sup> :	60.0% (20)

Bystander Intervention Rates <sup>3</sup>	
CPR:	51.6% (223)
Public AED Use:	8.1% (37)

<sup>1</sup>Utstein: Witnessed by bystander and found in shockable rhythm.

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

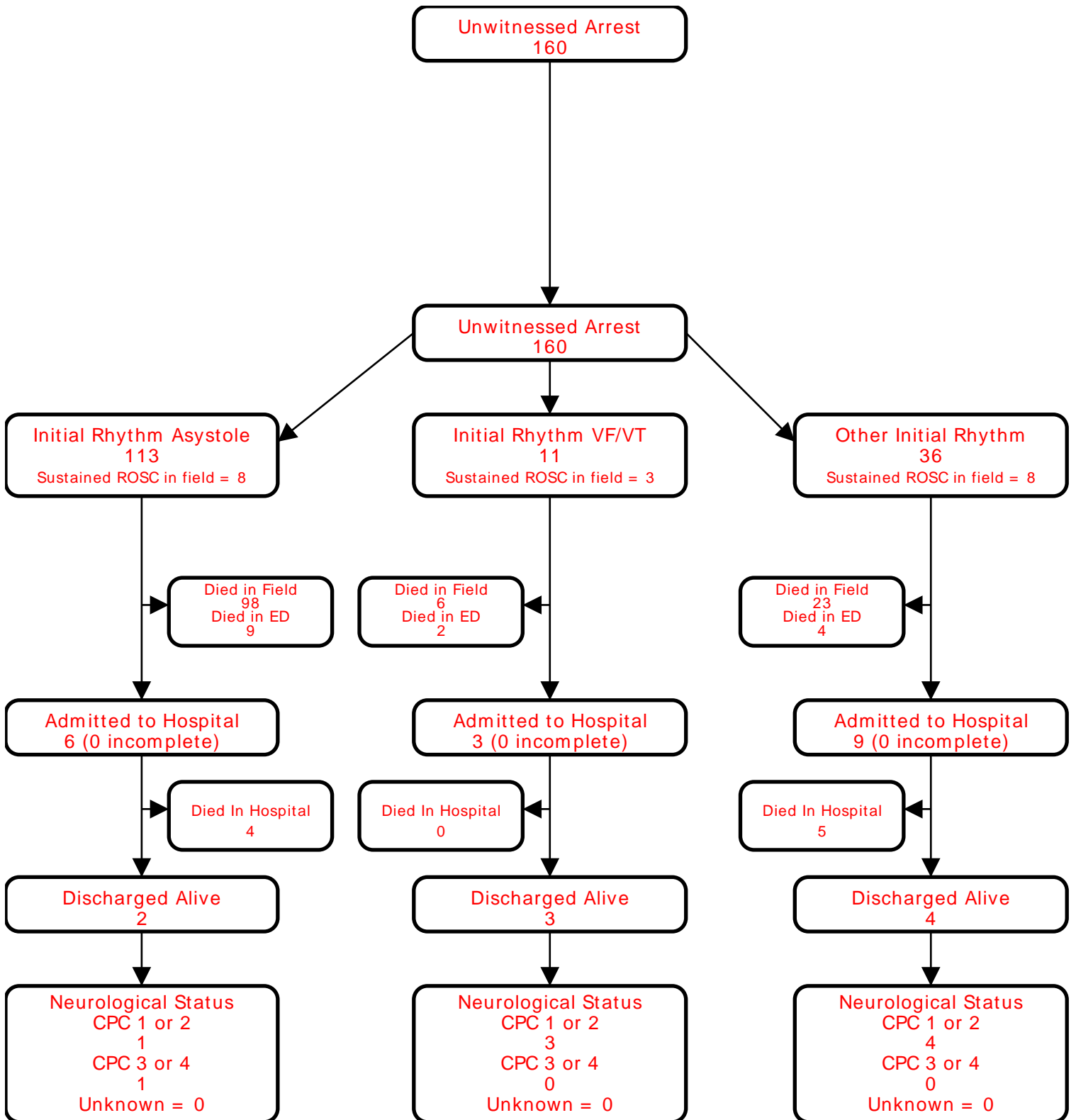
<sup>3</sup>Bystander CPR rate excludes 911 Responder Witnessed, Nursing Home, and Healthcare Facility arrests. Public AED Use rate excludes 911 Responder Witnessed, Home/Residence, Nursing Home, and Healthcare Facility arrests.

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

# Utstein Survival Report

UNIFIED FIRE AUTHORITY

Date of Arrest: 01/01/25 - 12/31/25



# Utstein Survival Report

UNIFIED FIRE AUTHORITY

Date of Arrest: 01/01/25 - 12/31/25

