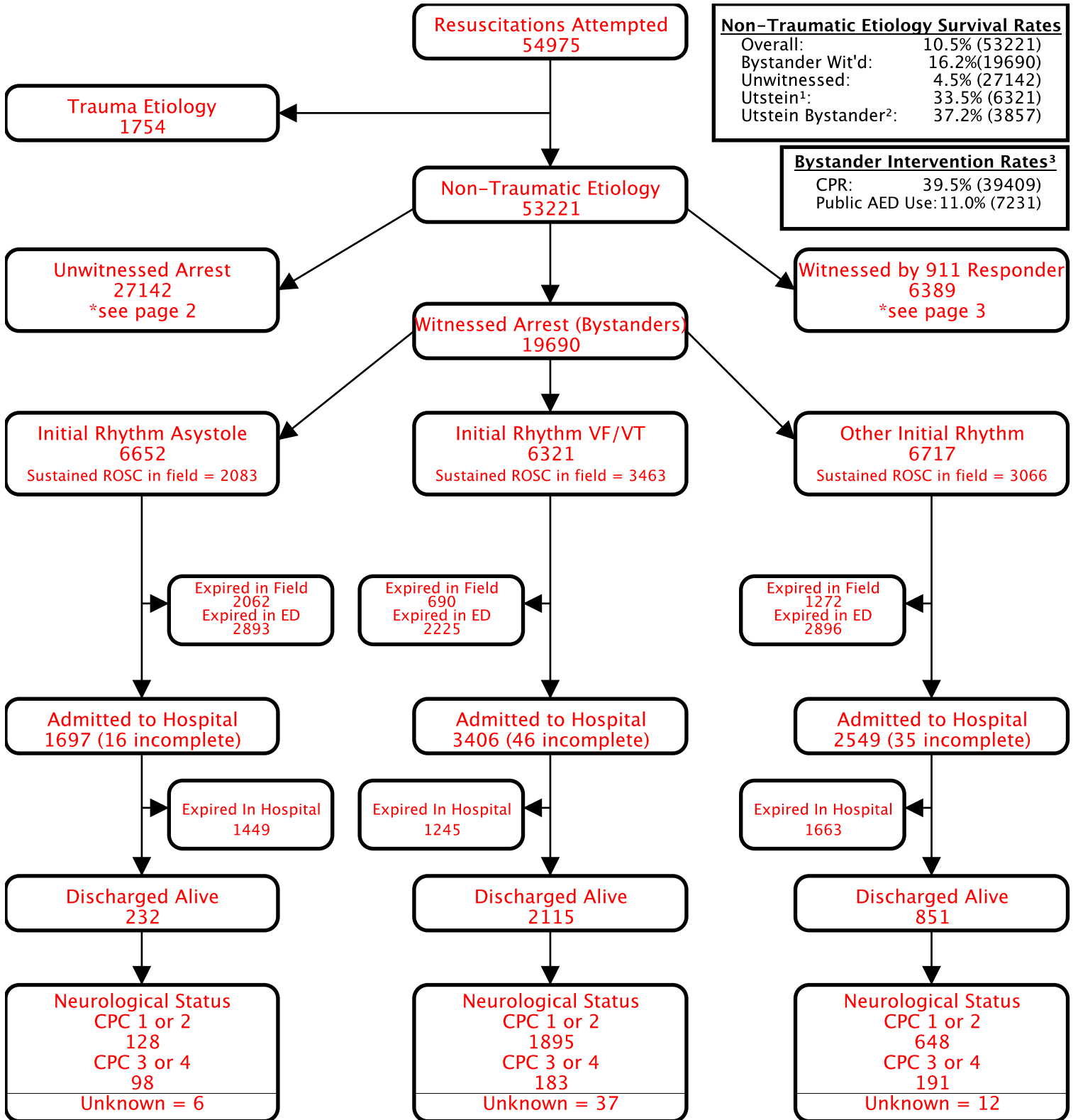


# Utstein Survival Report

All Agencies/National Data  
Sample Report



Non-Traumatic Etiology Survival Rates	
Overall:	10.5% (53221)
Bystander Wit'd:	16.2%(19690)
Unwitnessed:	4.5% (27142)
Utstein <sup>1</sup> :	33.5% (6321)
Utstein Bystander <sup>2</sup> :	37.2% (3857)

Bystander Intervention Rates <sup>3</sup>	
CPR:	39.5% (39409)
Public AED Use:	11.0% (7231)

<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).

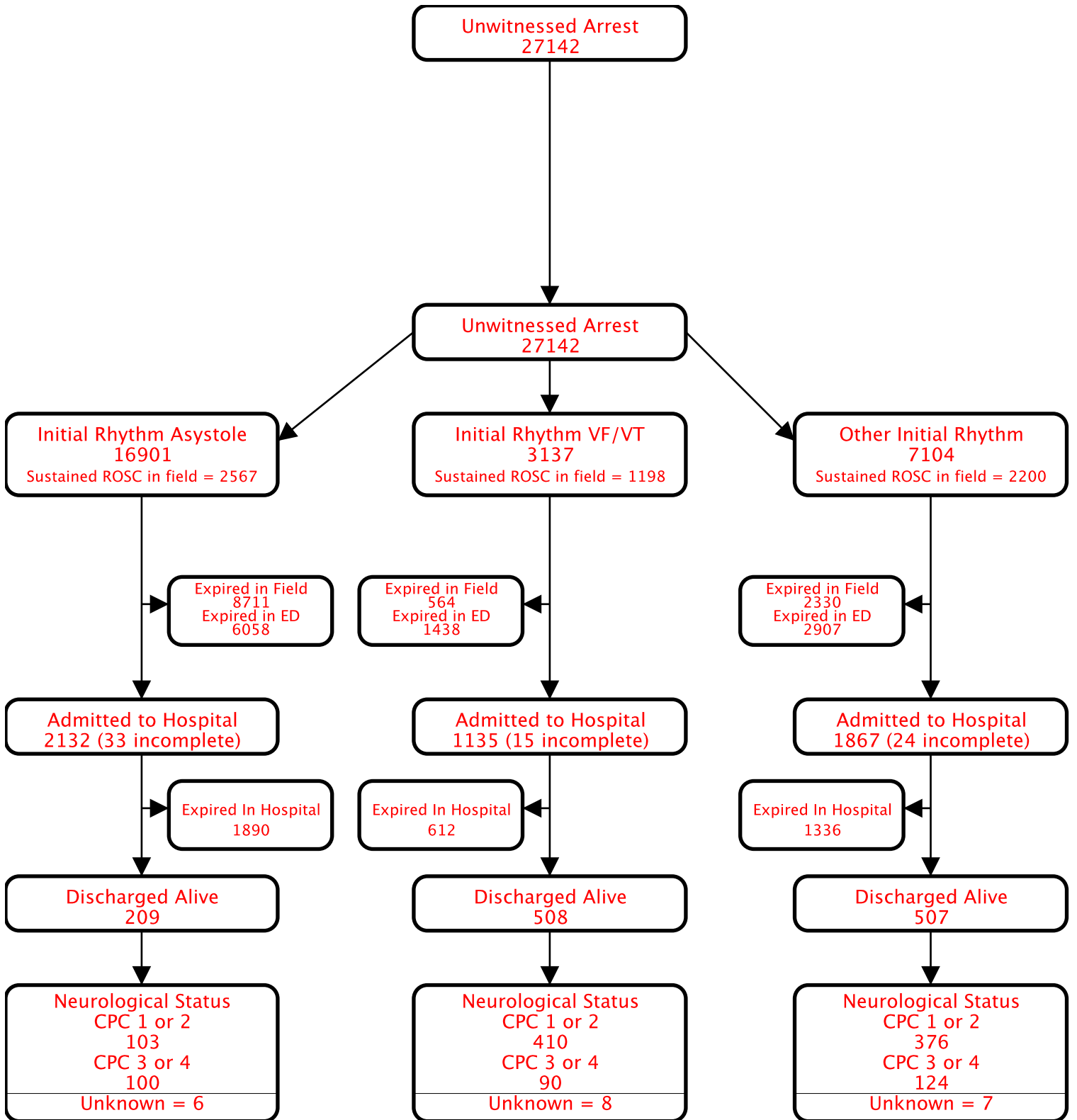
<sup>3</sup>Bystander CPR rate excludes 911 Responder Witnessed, Nursing Home, and Healthcare Facility arrests. Public AED Use rate excludes 911 Responder Witnessed, Home/Residence, Nursing Home, and Healthcare Facility arrests.

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

# Utstein Survival Report

All Agencies/National Data

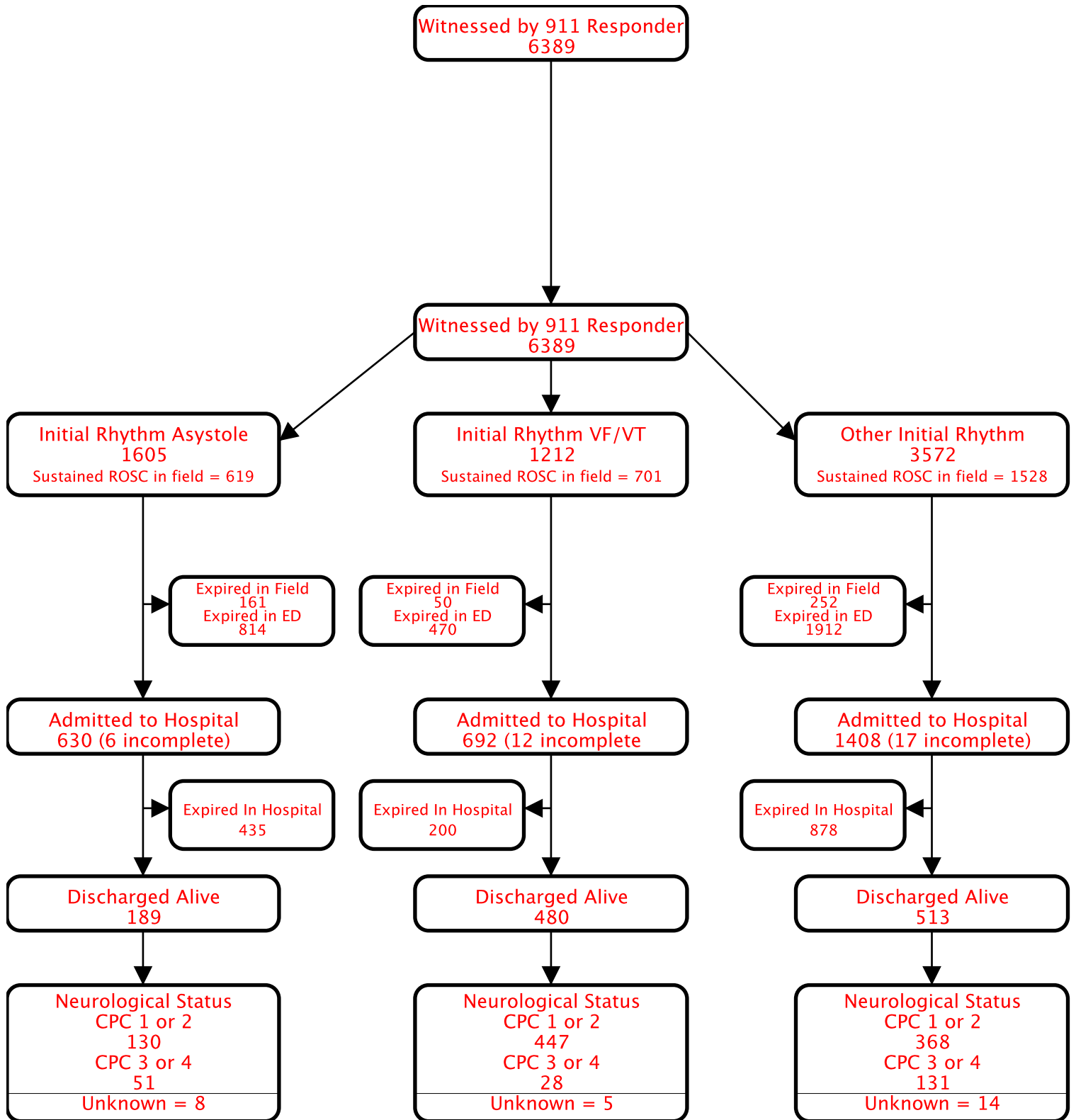
Sample Report



# Utstein Survival Report

All Agencies/National Data

Sample Report



# CARES Survival Report

## All Agencies/National Data

Sample Report

	OVERALL N = 4977				
	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>	4977	1583 (31.8)	1358 (27.3)	508 (10.2)	399 (8.0)
<b>Location of Arrest</b>					
Home/Residence	3523 (70.8)	1055 (29.9)	899 (25.5)	292 (8.3)	229 (6.5)
Nursing Home	563 (11.3)	145 (25.8)	101 (17.9)	28 (5.0)	5 (0.9)
Public Setting	891 (17.9)	383 (43.0)	358 (40.2)	188 (21.1)	165 (18.5)
<b>Arrest Witnessed Status</b>					
Unwitnessed	2578 (51.8)	543 (21.1)	428 (16.6)	107 (4.2)	78 (3.0)
Bystander witnessed	1823 (36.6)	786 (43.1)	686 (37.6)	290 (15.9)	242 (13.3)
911 Responder witnessed	576 (11.6)	254 (44.1)	244 (42.4)	111 (19.3)	79 (13.7)
<b>Bystander CPR*</b>					
Bystander CPR	2021 (45.9)	689 (34.1)	561 (27.8)	238 (11.8)	190 (9.4)
No Bystander CPR	2380 (54.1)	640 (26.9)	553 (23.2)	159 (6.7)	130 (5.5)
Bystander CPR (excludes nursing home/healthcare facility events)	1428 (38.9)	515 (36.1)	431 (30.2)	200 (14.0)	169 (11.8)
No Bystander CPR (excludes nursing home/healthcare facility events)	2245 (61.1)	614 (27.3)	534 (23.8)	153 (6.8)	127 (5.7)
<b>Initial Arrest Rhythm</b>					
Shockable	905 (18.2)	461 (50.9)	442 (48.8)	270 (29.8)	240 (26.5)
Non-shockable	4071 (81.8)	1121 (27.5)	916 (22.5)	238 (5.8)	159 (3.9)
<b>AED Use</b>					
Bystander AED use*	267 (6.1)	105 (39.3)	90 (33.7)	55 (20.6)	44 (16.5)
Bystander AED use* (excludes nursing home/healthcare facility events)	99 (2.7)	53 (53.5)	51 (51.5)	38 (38.4)	33 (33.3)
Trained provider (First Responder) AED use	1202 (24.2)	351 (29.2)	300 (25.0)	112 (9.3)	89 (7.4)
<b>Utstein</b>					
Witnessed and shockable	637 (12.8)	366 (57.5)	359 (56.4)	236 (37.0)	214 (33.6)
Bystander witnessed and shockable	540 (10.9)	311 (57.6)	309 (57.2)	200 (37.0)	179 (33.1)
<b>Hypothermia</b>					
Field hypothermia	500 (10.1)	325 (65.0)	261 (52.2)	78 (15.6)	63 (12.6)
In-hospital hypothermia (among admitted patients)	570 (42.0)	--	--	200 (35.1)	156 (27.4)

**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=16).

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

<sup>†</sup>CPC missing for 4 patients.

# CARES Summary Report

## Demographic and Survival Characteristics of OHCA

Sample Report

Data	EMS Agency N=42	State N=510	National N=4993
<b>Age</b>	<b>N=42</b>	<b>N=510</b>	<b>N=4991</b>
Mean	57.8	67.3	63.8
Median	61.5	69.0	65.0
<b>Gender (%)</b>	<b>N=42</b>	<b>N=510</b>	<b>N=4993</b>
Female	10 (23.8)	180 (35.3)	2008 (40.2)
Male	32 (76.2)	330 (64.7)	2985 (59.8)
<b>Race (%)</b>	<b>N=42</b>	<b>N=510</b>	<b>N=4993</b>
American-Indian/Alaskan	0 (0.0)	2 (0.4)	23 (0.5)
Asian	2 (4.8)	27 (5.3)	121 (2.4)
Black/African-American	30 (71.4)	24 (4.7)	1065 (21.3)
Hispanic/Latino	0 (0.0)	50 (9.8)	299 (6.0)
Native Hawaiian/Pacific Islander	0 (0.0)	3 (0.6)	40 (0.8)
White	8 (19.0)	180 (35.3)	2294 (45.9)
Unknown	2 (4.8)	224 (43.9)	1151 (23.1)
<b>Location of Arrest (%)</b>	<b>N=42</b>	<b>N=510</b>	<b>N=4993</b>
Home/Residence	27 (64.3)	377 (73.9)	3533 (70.8)
Nursing Home	0 (0.0)	37 (7.3)	563 (11.3)
Public Setting	15 (35.7)	96 (18.8)	897 (18.0)
<b>Arrest witnessed (%)</b>	<b>N=42</b>	<b>N=510</b>	<b>N=4993</b>
Bystander Witnessed	9 (21.4)	185 (36.3)	1829 (36.6)
Witnessed by 911 Responder	5 (11.9)	65 (12.7)	579 (11.6)
Unwitnessed	28 (66.7)	260 (51.0)	2585 (51.8)
<b>Who Initiated CPR? (%)</b>	<b>N=42</b>	<b>N=510</b>	<b>N=4993</b>
Not Applicable	0 (0.0)	0 (0.0)	6 (0.1)
Bystander	15 (35.7)	193 (37.8)	2027 (40.6)
First Responder	10 (23.8)	146 (28.6)	1416 (28.4)
Emergency Medical Services (EMS)	17 (40.5)	171 (33.5)	1544 (30.9)
<b>Was an AED applied prior to EMS arrival? (%)</b>	<b>N=42</b>	<b>N=510</b>	<b>N=4993</b>
Yes	10 (23.8)	75 (14.7)	1469 (29.4)
No	32 (76.2)	435 (85.3)	3524 (70.6)
<b>Who first applied automated external defibrillator? (%)</b>	<b>N=10</b>	<b>N=87</b>	<b>N=1481</b>
Bystander	2 (20.0)	14 (16.1)	268 (18.1)
First Responder	8 (80.0)	62 (71.3)	1202 (81.2)
<b>Who first defibrillated the patient?*</b> (%)	<b>N=38</b>	<b>N=510</b>	<b>N=4772</b>
Not Applicable	24 (63.2)	352 (69.0)	3261 (68.3)
Bystander	0 (0.0)	6 (1.2)	82 (1.7)
First Responder	6 (15.8)	26 (5.1)	281 (5.9)
Responding EMS Personnel	8 (21.1)	126 (24.7)	1148 (24.1)
<b>First Arrest Rhythm (%)</b>	<b>N=42</b>	<b>N=510</b>	<b>N=4992</b>
Vfib/Vtach/Unknown Shockable Rhythm	11 (26.2)	95 (18.6)	912 (18.3)
Asystole	26 (61.9)	259 (50.8)	2457 (49.2)
Idioventricular/PEA	4 (9.5)	135 (26.5)	1049 (21.0)
Unknown Unshockable Rhythm	1 (2.4)	21 (4.1)	574 (11.5)
<b>Sustained ROSC (%)</b>	<b>N=42</b>	<b>N=510</b>	<b>N=4993</b>
Yes	13 (31.0)	150 (29.4)	1592 (31.9)
No	29 (69.0)	360 (70.6)	3401 (68.1)
<b>Was hypothermia care provided in the field? (%)</b>	<b>N=42</b>	<b>N=507</b>	<b>N=4987</b>
Yes	2 (4.8)	19 (3.7)	504 (10.1)
No	40 (95.2)	488 (96.3)	4483 (89.9)
<b>Pre-hospital Outcome (%)</b>	<b>N=42</b>	<b>N=510</b>	<b>N=4993</b>
Pronounced in the Field	5 (11.9)	207 (40.6)	1492 (29.9)
Pronounced in ED	10 (23.8)	51 (10.0)	876 (17.5)
Ongoing Resuscitation in ED	27 (64.3)	252 (49.4)	2625 (52.6)
<b>Overall Survival (%)</b>	<b>N=42</b>	<b>N=510</b>	<b>N=4993</b>
Overall Survival to Hospital Admission	14 (33.3)	128 (25.1)	1359 (27.2)
Overall Survival to Hospital Discharge	7 (16.7)	54 (10.6)	508 (10.2)
With Good or Moderate Cerebral Performance	5 (11.9)	45 (8.8)	399 (8.0)
Missing hospital outcome	1	2	16
<b>Utstein<sup>1</sup> Survival (%)</b>	<b>N=4</b>	<b>N=53</b>	<b>N=544</b>
	50.0	43.4	36.8
<b>Utstein Bystander<sup>2</sup> Survival (%)</b>	<b>N=1</b>	<b>N=34</b>	<b>N=342</b>
	0.0	44.1	40.1

*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.*

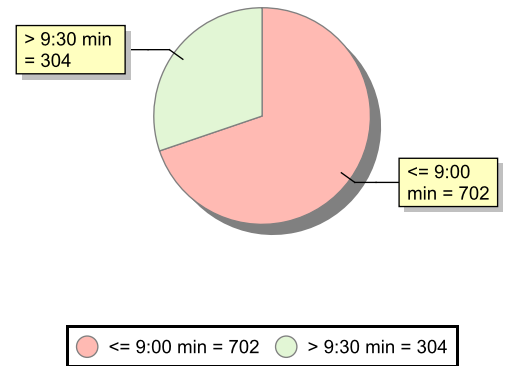
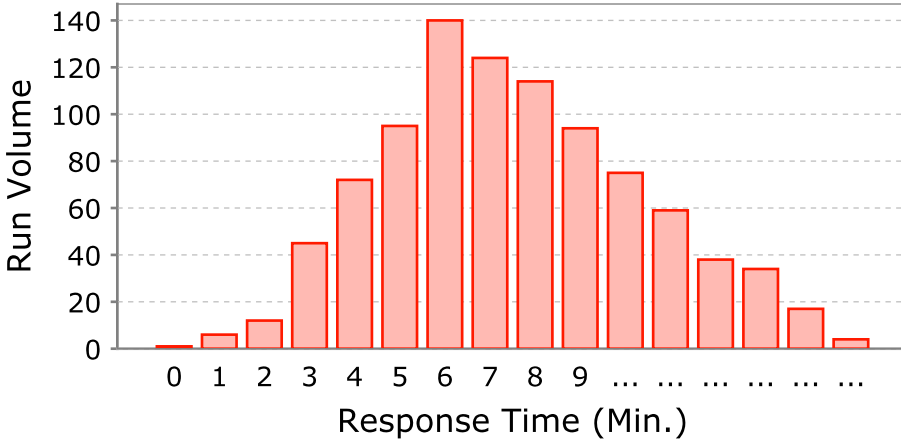
*<sup>1</sup>Witnessed by bystander and found in a shockable rhythm*

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

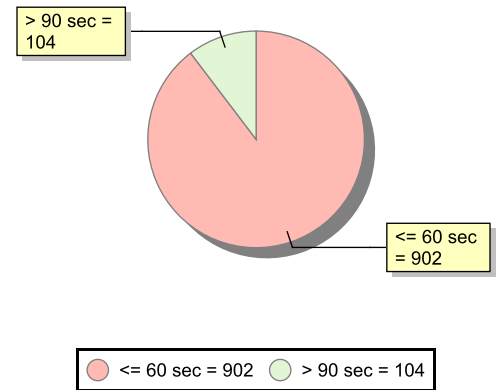
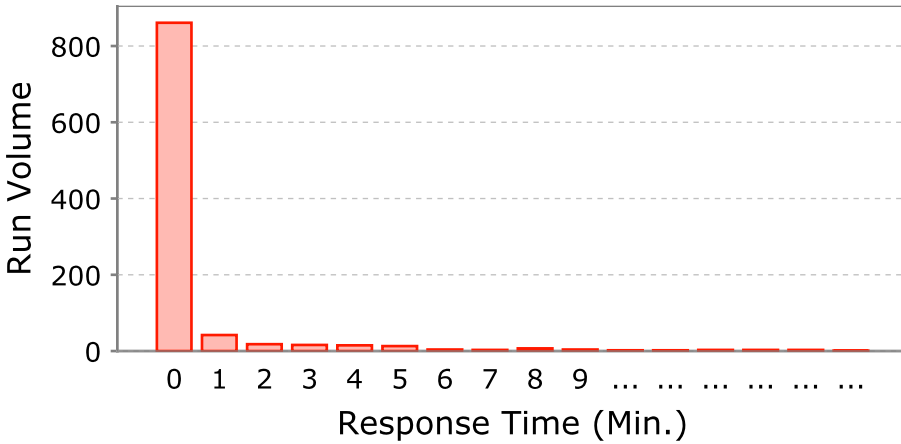
# EMS CAD Times

myCARES powered by Physio-Control

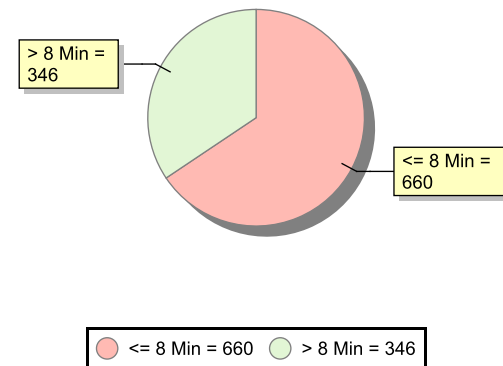
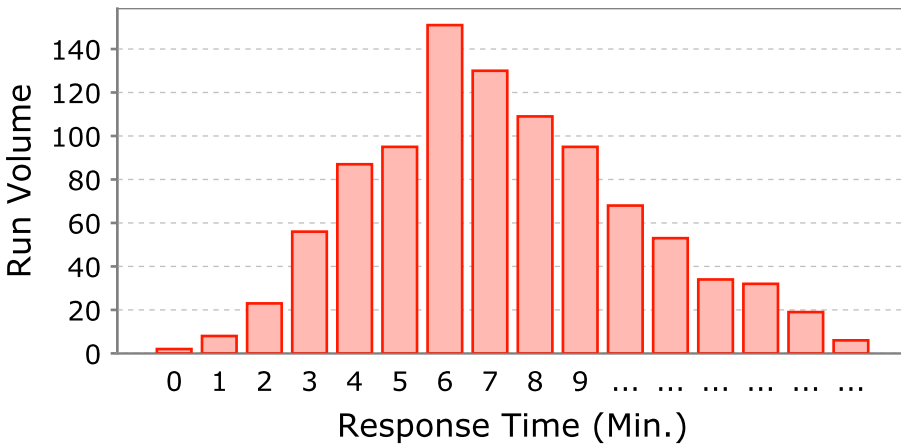
## EMS Times: 911 to Arrival



## EMS Times: 911 to Dispatch



## EMS Times: Dispatch to Arrival

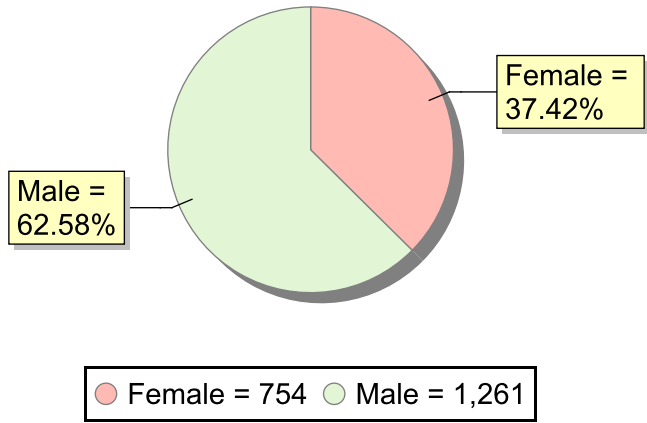


PLEASE NOTE: From 2005-2012, CARES collected arrests of presumed cardiac etiology. In 2013, CARES expanded to include all non-traumatic arrests.

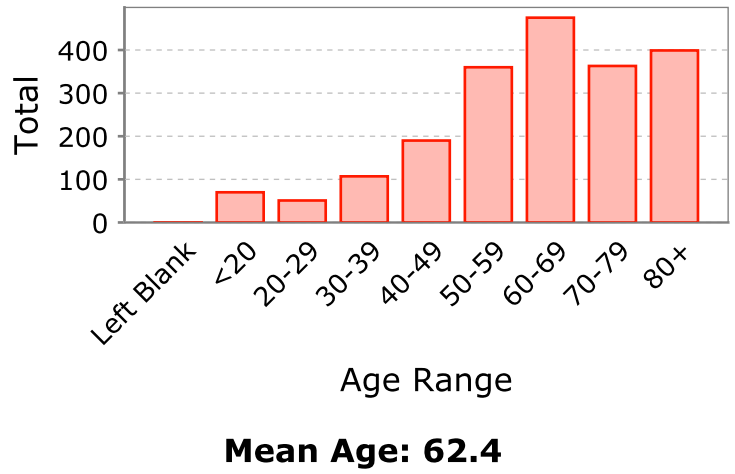
# Demographics

## Sample Report

### Gender



### Age



Location Type	Count
Home/Residence	1420 - 70.5%
Nursing Home	195 - 9.7%
Public/Commercial Building	152 - 7.5%
Street/Hwy	97 - 4.8%
Healthcare Facility	92 - 4.6%
Place of Recreation	29 - 1.4%
Transport Center	14 - 0.7%
Industrial Place	14 - 0.7%
Other	2 - 0.1%

PLEASE NOTE: From 2005-2012, CARES collected arrests of presumed cardiac etiology. In 2013, CARES expanded to include all non-traumatic arrests.