

CARES Summary Report

Demographic and Survival Characteristics of OHCA

Non-Traumatic Etiology | Arrest Witness Status: All | Date of Arrest: 01/01/13 - 12/31/23

Data	Montana N=4240
Age	N=4236
Mean	60.5
Median	64.0
Gender (%)	N=4240
Female	1498 (35.3)
Male	2742 (64.7)
Race (%)	N=4239
American-Indian/Alaskan	302 (7.1)
Asian	12 (0.3)
Black/African-American	27 (0.6)
Hispanic/Latino	52 (1.2)
Native Hawaiian/Pacific Islander	9 (0.2)
White	3058 (72.1)
Multi-racial	1 (0.0)
Unknown	778 (18.4)
Location of Arrest (%)	N=4240
Home/Residence	3113 (73.4)
Nursing Home	199 (4.7)
Public Setting	928 (21.9)
Arrest witnessed (%)	N=4239
Bystander Witnessed	1689 (39.8)
Witnessed by 911 Responder	469 (11.1)
Unwitnessed	2081 (49.1)
Who Initiated CPR? (%)	N=4240
Not Applicable	2 (0.0)
Bystander	1920 (45.3)
First Responder	1369 (32.3)
Emergency Medical Services (EMS)	949 (22.4)
Was an AED applied prior to EMS arrival? (%)	N=4240
Yes	1517 (35.8)
No	2723 (64.2)
Who first applied automated external defibrillator? (%)	N=1515
Bystander	160 (10.6)
First Responder	1355 (89.4)
Who first defibrillated the patient?* (%)	N=4240
Not Applicable	2866 (67.6)
Bystander	67 (1.6)
First Responder	418 (9.9)
Responding EMS Personnel	889 (21.0)
First Arrest Rhythm (%)	N=4240
Vfib/Vtach/Unknown Shockable Rhythm	1005 (23.7)
Asystole	1956 (46.1)
Idioventricular/PEA	844 (19.9)
Unknown Unshockable Rhythm	435 (10.3)
Sustained ROSC (%)	N=4240
Yes	1174 (27.7)
No	3066 (72.3)
Was hypothermia care provided in the field? (%)	N=4240
Yes	34 (0.8)
No	4206 (99.2)
Pre-hospital Outcome (%)	N=4240
Pronounced in the Field	1775 (41.9)
Pronounced in ED	658 (15.5)
Ongoing Resuscitation in ED	1807 (42.6)
Overall Survival (%)	N=4240
Overall Survival to Hospital Admission	1106 (26.1)
Overall Survival to Hospital Discharge	505 (11.9)
With Good or Moderate Cerebral Performance	479 (11.3)
Missing hospital outcome	7
Utstein¹ Survival (%)	N=597
	33.0%
Utstein Bystander² Survival (%)	N=412
	37.9%

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.

**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)