

# 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
<b>Age</b>	<b>N=4236</b>
Mean	60.5
Median	64.0
<b>Gender (%)</b>	<b>N=4240</b>
Female	1498 (35.3)
Male	2742 (64.7)
<b>Race (%)</b>	<b>N=4239</b>
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)
<b>Location of Arrest (%)</b>	<b>N=4240</b>
Home/Residence	3113 (73.4)
Nursing Home	199 (4.7)
Public Setting	928 (21.9)
<b>Arrest witnessed (%)</b>	<b>N=4239</b>
Bystander Witnessed	1689 (39.8)
Witnessed by 911 Responder	469 (11.1)
Unwitnessed	2081 (49.1)
<b>Who Initiated CPR? (%)</b>	<b>N=4240</b>
Not Applicable	2 (0.0)
Bystander	1920 (45.3)
First Responder	1369 (32.3)
Emergency Medical Services (EMS)	949 (22.4)
<b>Was an AED applied prior to EMS arrival? (%)</b>	<b>N=4240</b>
Yes	1517 (35.8)
No	2723 (64.2)
<b>Who first applied automated external defibrillator? (%)</b>	<b>N=1515</b>
Bystander	160 (10.6)
First Responder	1355 (89.4)
<b>Who first defibrillated the patient?* (%)</b>	<b>N=4240</b>
Not Applicable	2866 (67.6)
Bystander	67 (1.6)
First Responder	418 (9.9)
Responding EMS Personnel	889 (21.0)
<b>First Arrest Rhythm (%)</b>	<b>N=4240</b>
Vfib/Vtach/Unknown Shockable Rhythm	1005 (23.7)
Asystole	1956 (46.1)
Idioventricular/PEA	844 (19.9)
Unknown Unshockable Rhythm	435 (10.3)
<b>Sustained ROSC (%)</b>	<b>N=4240</b>
Yes	1174 (27.7)
No	3066 (72.3)
<b>Was hypothermia care provided in the field? (%)</b>	<b>N=4240</b>
Yes	34 (0.8)
No	4206 (99.2)
<b>Pre-hospital Outcome (%)</b>	<b>N=4240</b>
Pronounced in the Field	1775 (41.9)
Pronounced in ED	658 (15.5)
Ongoing Resuscitation in ED	1807 (42.6)
<b>Overall Survival (%)</b>	<b>N=4240</b>
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
<b>Utstein<sup>1</sup> Survival (%)</b>	<b>N=597</b>
	33.0%
<b>Utstein Bystander<sup>2</sup> Survival (%)</b>	<b>N=412</b>
	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.*

*<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)*