

# CARES Summary Report

## Demographic and Survival Characteristics of OHCA

Non-Traumatic Etiology | Arrest Witness Status: All | Date of Arrest: From 01/01/2013 Through 12/31/2020

| Data   | National<br>N=588203 |
|--|----------------------|
| <b>Age</b>   | <b>N=587929</b>      |
| Mean   | 62.3                 |
| Median   | 64.0                 |
| <b>Gender (%)</b>  | <b>N=588171</b>      |
| Female   | 224719 (38.2)        |
| Male   | 363447 (61.8)        |
| <b>Race (%)</b>  | <b>N=587979</b>      |
| American-Indian/Alaskan  | 2423 (0.4)           |
| Asian  | 12397 (2.1)          |
| Black/African-American   | 131431 (22.4)        |
| Hispanic/Latino  | 37886 (6.4)          |
| Native Hawaiian/Pacific Islander                               | 2730 (0.5)           |
| White  | 288965 (49.1)        |
| Multi-racial   | 32 (0.0)             |
| Unknown  | 112128 (19.1)        |
| <b>Location of Arrest (%)</b>                                  | <b>N=588194</b>      |
| Home/Residence   | 416571 (70.8)        |
| Nursing Home   | 63462 (10.8)         |
| Public Setting   | 108161 (18.4)        |
| <b>Arrest witnessed (%)</b>                                    | <b>N=588173</b>      |
| Bystander Witnessed  | 219357 (37.3)        |
| Witnessed by 911 Responder                                     | 73295 (12.5)         |
| Unwitnessed  | 295521 (50.2)        |
| <b>Who Initiated CPR? (%)</b>                                  | <b>N=588174</b>      |
| Not Applicable   | 403 (0.1)            |
| Bystander  | 238049 (40.5)        |
| First Responder  | 165700 (28.2)        |
| Emergency Medical Services (EMS)                               | 184022 (31.3)        |
| <b>Was an AED applied prior to EMS arrival? (%)</b>            | <b>N=588187</b>      |
| Yes  | 164912 (28.0)        |
| No   | 423275 (72.0)        |
| <b>Who first applied automated external defibrillator? (%)</b> | <b>N=164823</b>      |
| Bystander  | 34130 (20.7)         |
| First Responder  | 130657 (79.3)        |
| <b>Who first defibrillated the patient?* (%)</b>               | <b>N=573588</b>      |
| Not Applicable   | 395854 (69.0)        |
| Bystander  | 9036 (1.6)           |
| First Responder  | 33124 (5.8)          |
| Responding EMS Personnel                                       | 135574 (23.6)        |
| <b>First Arrest Rhythm (%)</b>                                 | <b>N=588135</b>      |
| Vfib/Vtach/Unknown Shockable Rhythm                            | 109817 (18.7)        |
| Asystole   | 292478 (49.7)        |
| Idioventricular/PEA  | 127939 (21.8)        |
| Unknown Unshockable Rhythm                                     | 57901 (9.8)          |
| <b>Sustained ROSC (%)</b>                                      | <b>N=588030</b>      |
| Yes  | 181131 (30.8)        |
| No   | 406899 (69.2)        |
| <b>Was hypothermia care provided in the field? (%)</b>         | <b>N=588159</b>      |
| Yes  | 35239 (6.0)          |
| No   | 552920 (94.0)        |
| <b>Pre-hospital Outcome (%)</b>                                | <b>N=588203</b>      |
| Pronounced in the Field  | 208021 (35.4)        |
| Pronounced in ED   | 83496 (14.2)         |
| Ongoing Resuscitation in ED                                    | 296686 (50.4)        |
| <b>Overall Survival (%)</b>                                    | <b>N=588203</b>      |
| Overall Survival to Hospital Admission                         | 161434 (27.4)        |
| Overall Survival to Hospital Discharge                         | 60450 (10.3)         |
| With Good or Moderate Cerebral Performance                     | 48306 (8.2)          |
| Missing hospital outcome                                       | 1424                 |
| <b>Utstein<sup>1</sup> Survival (%)</b>                        | <b>N=65242</b>       |
|  | 32.5%                |
| <b>Utstein Bystander<sup>2</sup> Survival (%)</b>              | <b>N=38888</b>       |
|  | 37.1%                |

*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)*