

CARES Summary Report

Demographic and Survival Characteristics of OHCA

Non-Traumatic Etiology | Arrest Witness Status: All | Date of Arrest: 01/01/13 - 12/31/25

| Data | Michigan N=90999 | National N=1269409 |
|--|---------------------|-----------------------|
| Age | N=90970 | N=1269019 |
| Mean | 63.4 | 62.4 |
| Median | 66.0 | 65.0 |
| Sex (%) | N=90989 | N=1269317 |
| Female | 35301 (38.8) | 476621 (37.5) |
| Male | 55688 (61.2) | 792696 (62.5) |
| Race (%) | N=90873 | N=1269156 |
| American-Indian/Alaskan | 187 (0.2) | 5274 (0.4) |
| Asian | 646 (0.7) | 31755 (2.5) |
| Black/African-American | 23475 (25.8) | 275084 (21.7) |
| Hispanic/Latino | 1289 (1.4) | 100063 (7.9) |
| Native Hawaiian/Pacific Islander | 85 (0.1) | 6098 (0.5) |
| White | 53674 (59.1) | 637618 (50.2) |
| Multi-racial | 245 (0.3) | 3151 (0.2) |
| Unknown | 11272 (12.4) | 210113 (16.6) |
| Location of Arrest (%) | N=90998 | N=1269387 |
| Home/Residence | 64956 (71.4) | 908723 (71.6) |
| Nursing Home | 13135 (14.4) | 134737 (10.6) |
| Public Setting | 12907 (14.2) | 225927 (17.8) |
| Arrest witnessed (%) | N=90997 | N=1269348 |
| Bystander Witnessed | 33731 (37.1) | 474433 (37.4) |
| Witnessed by 911 Responder | 9850 (10.8) | 155346 (12.2) |
| Unwitnessed | 47416 (52.1) | 639569 (50.4) |
| Who Initiated CPR? (%) | N=90998 | N=1268990 |
| Not Applicable | 38 (0.0) | 660 (0.1) |
| Bystander | 37752 (41.5) | 523564 (41.3) |
| First Responder | 25299 (27.8) | 373984 (29.5) |
| Emergency Medical Services (EMS) | 27909 (30.7) | 370782 (29.2) |
| Was an AED applied prior to EMS arrival? (%) | N=90998 | N=1269374 |
| Yes | 32529 (35.7) | 358592 (28.2) |
| No | 58469 (64.3) | 910782 (71.8) |
| Who first applied automated external defibrillator? (%) | N=32594 | N=360589 |
| Bystander | 8560 (26.3) | 76617 (21.2) |
| First Responder | 24034 (73.7) | 283962 (78.7) |
| Who first defibrillated the patient?* (%) | N=90834 | N=1253570 |
| Not Applicable | 63631 (70.1) | 871405 (69.5) |
| Bystander | 1713 (1.9) | 19936 (1.6) |
| First Responder | 5760 (6.3) | 78098 (6.2) |
| Responding EMS Personnel | 19730 (21.7) | 284131 (22.7) |
| First Arrest Rhythm (%) | N=90998 | N=1269170 |
| Vfib/Vtach/Unknown Shockable Rhythm | 15442 (17.0) | 230141 (18.1) |
| Asystole | 45048 (49.5) | 642388 (50.6) |
| Idioventricular/PEA | 16780 (18.4) | 280734 (22.1) |
| Unknown Unshockable Rhythm | 13728 (15.1) | 115907 (9.1) |
| Sustained ROSC (%) | N=90992 | N=1268865 |
| Yes | 25164 (27.7) | 357471 (28.2) |
| No | 65828 (72.3) | 911394 (71.8) |
| Was hypothermia care provided in the field? (%) | N=90989 | N=1269143 |
| Yes | 460 (0.5) | 56477 (4.5) |
| No | 90529 (99.5) | 1212666 (95.5) |
| Pre-hospital Outcome (%) | N=90999 | N=1269409 |
| Pronounced in the Field | 39519 (43.4) | 505043 (39.8) |
| Pronounced in ED | 7568 (8.3) | 149446 (11.8) |
| Ongoing Resuscitation in ED | 43912 (48.3) | 614920 (48.4) |
| Overall Survival (%) | N=90999 | N=1269409 |
| Overall Survival to Hospital Admission | 22642 (24.9) | 334794 (26.4) |
| Overall Survival to Hospital Discharge | 7622 (8.4) | 129581 (10.2) |
| With Good or Moderate Cerebral Performance | 6225 (6.8) | 103146 (8.1) |
| Missing hospital outcome | 16 | 2793 |
| Utstein¹ Survival (%) | N=9069 | N=137145 |
| | 28.9% | 32.4% |
| Utstein Bystander² Survival (%) | N=5230 | N=82258 |
| | 32.4% | 36.5% |

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)