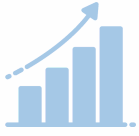


## Benefits of CARES Participation

### PERFORMANCE IMPROVEMENT



CARES helps communities measure and enhance their cardiac arrest survival rates.

### ACCESS TO INFORMATION



Joining CARES grants access to crucial data for enhancing performance and saving lives.

### EMS REGISTRY CONTRIBUTION



Contribute to one of the largest EMS registries worldwide, including patient outcome information from hospitals.

### FACILITATING VITAL RESEARCH



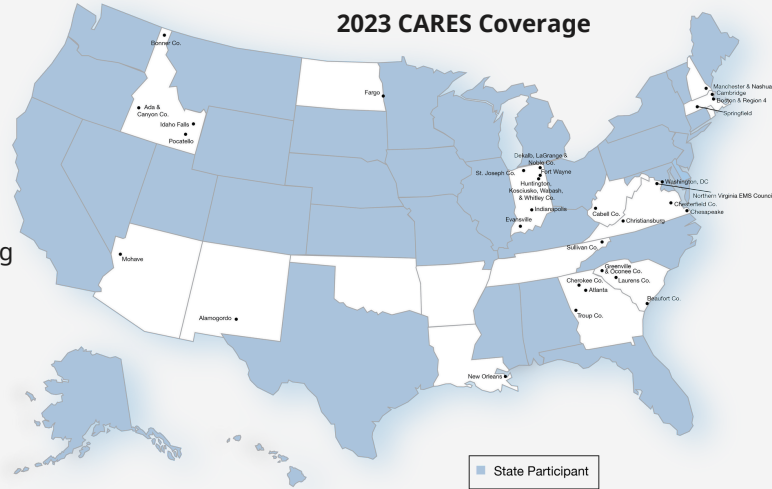
CARES' comprehensive data supports crucial research, advancing cardiac arrest treatment and saving lives.

# 139,822

**NON-TRAUMATIC, WORKED OHAS WERE REPORTED TO CARES IN 2023.**

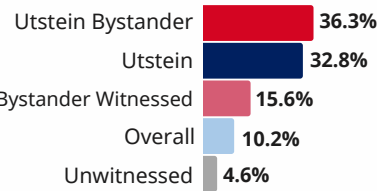
CARES covers a catchment area of more than 179 million, including 34 statewide registries and 42 community sites. More than 2,300 EMS agencies and over 2,500 hospitals participate nationwide.

For further information, please refer to the CARES [homepage](#) and explore our [2023 Annual Report](#).



## 2023 Data Highlights

### NON-TRAUMATIC ETIOLOGY SURVIVAL RATES



# 7.6 MINUTES



**MEDIAN EMS RESPONSE TIME**

### FEMALE

### MALE

<b>MEDIAN AGE</b>	65	65
<b>BCPR</b>	40.8%	41.4%
<b>PUBLIC BCPR</b>	43.2%	44.8%
<b>PUBLIC AED USE</b>	9.0%	12.4%
<b>OVERALL SURVIVAL</b>	9.5%	10.7%
<b>RISK ADJUSTED OVERALL SURVIVAL</b>	10.5%	9.5%
<b>PEDIATRIC CASES</b>	40%	60%

37%  
Female

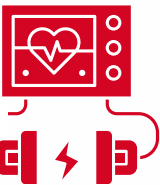


**Overall Cases**

63%  
Male

# 11.7%

OF PATIENTS WHO ARRESTED IN PUBLIC HAD A BYSTANDER APPLIED AED



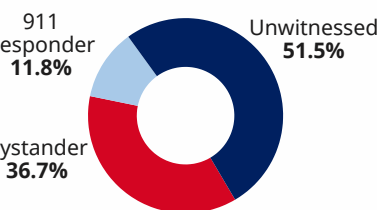
# 41.2%

OF PATIENTS RECEIVED BYSTANDER CPR

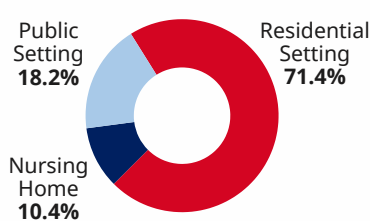


\*Rate excludes events that occurred in a medical location and/or were witnessed by a 911 Responder

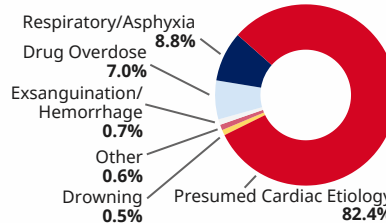
### WHO WITNESSED THE ARREST



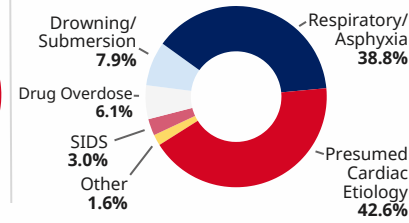
### LOCATION OF ARREST



### NON-TRAUMATIC ETIOLOGY ADULTS



### NON-TRAUMATIC ETIOLOGY PEDIATRIC



## CARES CASE DEFINITION

An out-of-hospital cardiac arrest (OHCA) not caused by a traumatic event, where 911 responders attempt to resuscitate the person using CPR or a defibrillator. This includes patients who receive an AED (automated external defibrillator) shock by a bystander before the 911 responders arrive.



## BYSTANDER

A person who is not part of the 911 response team and does not respond to the emergency in an official capacity.

## 911 RESPONDER

Emergency personnel who respond to a 911 call in an official capacity (i.e. First Responder or transport EMS).



## BYSTANDER CPR RATE

The percentage of people who received CPR from a bystander after experiencing an out-of-hospital cardiac arrest that was not caused by a traumatic event. This rate excludes events that occurred in a medical location and/or were witnessed by a 911 Responder.

## PUBLIC BYSTANDER AED RATE

The percentage of people who had an AED applied by a bystander following their arrest in a public location. This rate excludes events that occurred in a private setting and/or were witnessed by a 911 Responder.



## Survival Rates

### ▶ OVERALL SURVIVAL

- The percentage of people who survived among all CARES cases.

### ▶ RISK-ADJUSTED SURVIVAL

- Risk-adjusted survival is a survival rate modified to account for various factors that may influence the outcome. This includes age, race/ethnicity, etiology of arrest, witnessed status, location of arrest, initial OHCA rhythm, bystander CPR, and whether the arrest was a 9-1-1 witnessed OHCA.

### ▶ BYSTANDER WITNESSED SURVIVAL

- The percentage of people who survived among the subset of CARES cases that were witnessed by a bystander.

### ▶ UNWITNESSED SURVIVAL

- The percentage of people who survived among the subset of CARES cases that were unwitnessed.

### ▶ UTSTEIN SURVIVAL

- The percentage of people who survived among the subset of CARES cases that were both witnessed by a bystander and presented with a shockable rhythm.

### ▶ UTSTEIN BYSTANDER SURVIVAL

- The percentage of people who survived among the subset of CARES cases that were witnessed by a bystander, presented with a shockable rhythm, and received some bystander intervention (CPR and/or AED application).

CARES DATA DICTIONARY

2023 CARES ANNUAL REPORT