

# The CARES Report



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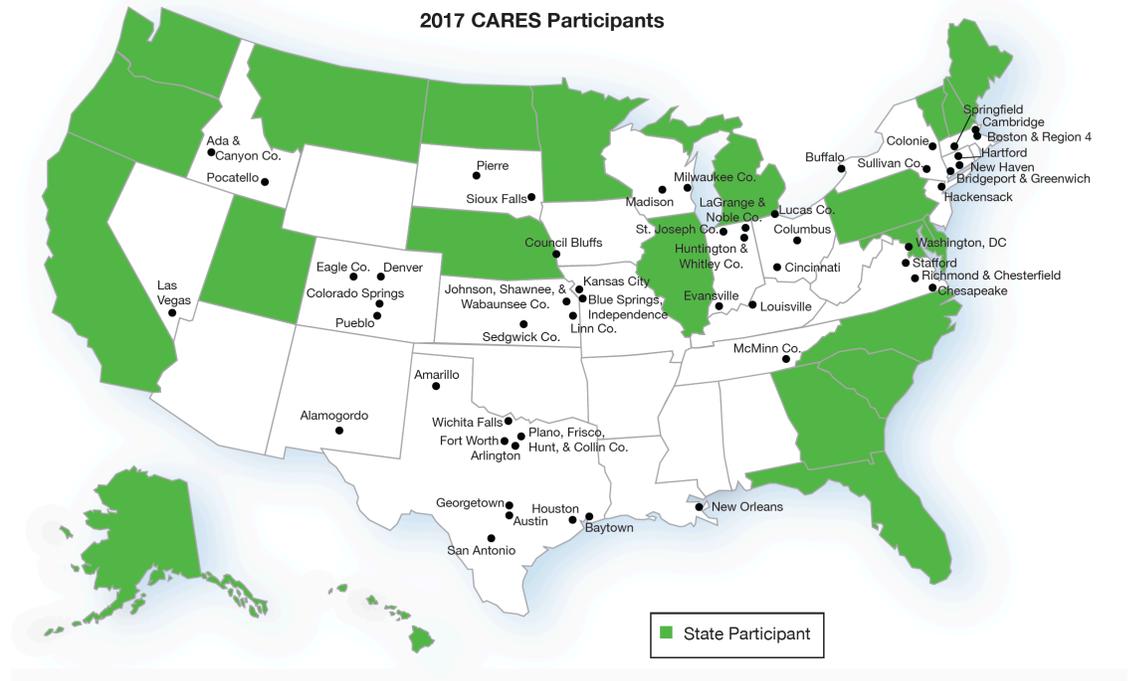
## 2017 National Report Reminder

As we enter the last quarter of 2017, we would like to encourage all agency and state contacts to begin identifying potential “National Report Hot Spots.” These may be agencies that are behind in data entry or hospitals that have accumulated a number of incomplete hospital forms throughout the year. Pinpointing these hotspots and addressing concerns well in advance of our annual deadlines will help decrease the burden of completing CARES forms by our deadlines. CARES staff will release this year’s National Report in April of 2018. As a reminder, participating EMS agencies should enter all 2017 records by January 31, 2018 and hospitals should complete data entry by February 28, 2018. If there are any questions or concerns, please feel free to contact your CARES Program or State Coordinator. Thank you for your time and effort toward measuring outcomes and saving lives!

## CARES Would like to Welcome Two New States!

We would like to recognize Florida and Georgia as the newest states to join the CARES registry. We are excited to be working with these states and their addition to the footprint of the registry.

Contact Us  
<https://mycares.net>  
Or e-mail:  
[cares@emory.edu](mailto:cares@emory.edu)



## CARES Community Spotlight

We are happy to highlight Michigan in our CARES Community Spotlight! The EMS community in Michigan truly understands the importance of Hands-Only CPR. Recently, SaveMiHeart trained over 200 employees at Stryker in Hands-Only CPR. In addition, Michigan Medicine will be teaching Michigan football fans Hands-Only CPR at the football games. Volunteers at the games will be located on the concourse at the Big House and at Fan Fest. The Michigan State Coordinator, Teri Shields, will be using CARES to track whether these community events increase bystander response following out of hospital cardiac arrest.

If you are using the CARES Registry in new and progressive ways to increase survival in your community, please let us know!

Check out the links below for more information on these initiatives:

<https://www.facebook.com/SaveMIHeartMichigan/posts/944971162308931>

<https://www.facebook.com/MichiganMedicine>

<https://www.facebook.com/MichiganMedicine/videos/10154726771461891/>



## CARES Data Dictionary

The CARES Data Dictionary has been updated! It contains more up-to-date information and coding examples. We would like to thank the end users and state coordinators who volunteered their time and provided feedback on this immense data dictionary update. The newly revised CARES Data Dictionary will be released and posted on our website in mid-October 2017.

Cardiac Arrest Registry to  
Enhance Survival (CARES)

2017-18 Data Dictionary



## Recent and Upcoming Conference Attendance

CARES staff have had the opportunity to meet with current participants and interested agencies and hospitals at a number of conferences this year, and plan to attend more in the coming year! This year, we have attended the National Association of EMS Physicians (NAEMSP) Conference, Metro Atlanta AMR Conference, South Carolina Resuscitation Academy, Georgia EMS Conference, and Mississippi Educational Conference. We will complete the year by attending the Seattle Resuscitation Academy in October and Resuscitation Science Symposium (ReSS) in November.

We will also be in attendance at the 2018 National Association of EMS Physicians Conference in San Diego, California. Please feel free to stop by our booth!



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## Upcoming Abstracts

A number of abstracts that use CARES data will be presented at conferences in the coming months. Please see below for a list of some of the poster and oral presentations.

### **ReSS 2017 (Anaheim, CA)**

Association of Demographic and Geospatial Factors with the Provision of Bystander CPR Following Out-of-Hospital Cardiac Arrest

*Buckler DG, Grossestreuer AV, Karp D, Balian S, Carr BG, Wiebe DJ, Abella BS*

Cardiac Arrest Risk Standardization in Pennsylvania Using Administrative Data Compared to Registry Data

*Grossestreuer AV, Carr BG, Buckler DG, Karp D, Abella BS, Donnino MW, Gaieski DF, Wiebe DJ*

Post Admission Variability in OHCA Survival Outcomes in Pennsylvania

*Balian S, Buckler DG, Bhardwaj A, Abella BS*

Race/Ethnicity and Socioeconomic Factors are Associated with Bystander CPR in Pediatric Out of Hospital Cardiac Arrest in the United States: A Study from the Cardiac Arrest Registry to Enhance Survival (CARES)

Dickinson W. Richards Memorial Lecture, Monday, November 13<sup>th</sup>

*Naim MY, Griffis HM, Burke RV, McNally BF, Song L, Berg RA, Nadkarni VM, Vellano K, Markenson D, Bradley RN, Rossano JW*

Neighborhood Characteristics, Bystander Automated External Defibrillator Use, and Patient Outcomes in Public Out-of-Hospital Cardiac Arrest

*Andersen LW, Holmberg M, Granfeldt A, Løfgren B, Vellano K, McNally BF, Siegerink B, Kurth T, Donnino M*

### **APPAM Research Conference 2017 (Chicago, IL)**

How to keep “perfect” from being the enemy of the “good”: Using best available information to assess evidence-informed state public access defibrillation laws

*Fulmer E, Gilchrist S, Vellano K, McNally B, Odom E, Kunka A, VanderVeur J, Zhang Z*

### **NAEMSP 2018 (San Diego, CA)**

EMS agencies with high rates of field termination of cardiac arrest care also have high rates of survival

*Kupas DF, Knorr AC, Olaf MF, Berry CL, Summers JC*

Are there Disparities in Dispatch CPR Instruction Receipt and CPR Performance?

*Amen A, Swor RA, McNally BF, Bartram C, Irwin K*

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## **Software Update**

CARES released a software update in July, to include the following enhancements:

- CARES deployed an update to all hospital users' Dashboards, by adding a column for "Transferred: (Yes/No)". When hospital users log-in to CARES, they'll now be able to see whether each patient was transported directly to their hospital by EMS (Transferred = No), or transferred from another acute care facility (Transferred = Yes).
  - Narcan was added as an answer choice to #42 - "Were drugs administered".
  - Call Volume by Month/Week Dashboard bar graphs were expanded from 8 to 12 months/weeks for optimized viewing of data.
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## **Publications**

Below is a list of recent publications that utilized CARES state or national data to further expand our understanding of resuscitation science:

Hansen ML, Lin A, Eriksson C, Daya M, McNally B, Fu R, Yanez D, Zive D, Newgard C; CARES surveillance group. A comparison of pediatric airway management techniques during out-of-hospital cardiac arrest using the CARES database. *Resuscitation*. 2017 Aug 22;120:51-56. [Epub ahead of print]

van Diepen S, Girotra S, Abella BS, Becker LB, Bobrow BJ, Chan PS, Fahrenbruch C, Granger CB, Jollis JG, McNally B, White L, Yannopoulos D, Rea TD. Multistate 5-Year Initiative to Improve Care for Out-of-Hospital Cardiac Arrest: Primary Results From the

HeartRescue Project. *J Am Heart Assoc.* 6(9) (2017).

Kragholm K, Malta Hansen C, Dupre ME, Xian Y, Strauss B, Tyson C, Monk L, Corbett C, Fordyce CB, Pearson DA, Fosbøl EL, Jollis JG, Abella BS, McNally B, Granger CB. Direct Transport to a Percutaneous Cardiac Intervention Center and Outcomes in Patients With Out-of-Hospital Cardiac Arrest. *Circ: Cardiovasc Qual Outcomes.* 10(6) (2017).

Tobin JM, Ramos WD, Pu Y, Wernicki PG, Quan L, Rossano JW. Bystander CPR is associated with improved neurologically favourable survival in cardiac arrest following drowning. *Resuscitation.* 115:39-43 (2017).

Mader TJ, Westafer LM, Nathanson BH, Villarroel N, Coute RA, McNally BF. Targeted Temperature Management Effectiveness in the Elderly: Insights from a Large Registry. *Ther Hypothermia Temp Manag.* 2017 May 30. doi: 10.1089/ther.2017.0015. [Epub ahead of print]

Hubble MW, Tyson C. Impact of Early Vasopressor Administration on Neurological Outcomes after Prolonged Out-of-Hospital Cardiac Arrest. *Prehosp Disaster Med.* 32(3):297-304 (2017).

Fordyce CB, Hansen CM, Kragholm K, Dupre ME, Jollis JG, Roettig ML, Becker LB, Hansen SM, Hinohara TT, Corbett CC, Monk L, Nelson RD, Pearson DA, Tyson C, van Diepen S, Anderson ML, McNally B, Granger CB. Association of Public Health Initiatives With Outcomes for Out-of-Hospital Cardiac Arrest at Home and in Public Locations. *JAMA Cardiol.* Published online October 04, 2017. doi:10.1001/jamacardio.2017.3471

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## Latest News

CARES would like to know about any news stories or articles that are relevant to OHCA care and/or resuscitation science in your community or state. The “Latest News” section of the CARES website is used to highlight these stories and our participants. Please contact Julie Mayo, [jsmayo@emory.edu](mailto:jsmayo@emory.edu), if you are interested in submitting a story.

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## CARES Partners

