

The CARES Report



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In This Issue:

- 2016 National Report Reminder
- CARES Would like to Welcome Four New States!
- CARES Current Coverage and Focus States
- CARES Spotlight
- CARES Attends NAEMSP
- Software Updates
- Publications

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2016 National Report Reminder

As a reminder, CARES staff will release the 2016 National Report in April 2017. Participating EMS agencies should enter all 2016 records by January 31, 2017 and all hospitals must complete data entry by February 28, 2017. If there are any questions or concerns, please feel free to contact your CARES Program Associate or State Coordinator. We appreciate everyone's time and effort in following these guidelines.

CARES Would Like To Welcome Four New States!

We would like to recognize a few new states that joined the CARES program in 2016: Vermont, New Hampshire, Maine, and North Dakota. We are excited about working with leadership in these states and their contributions to the registry.

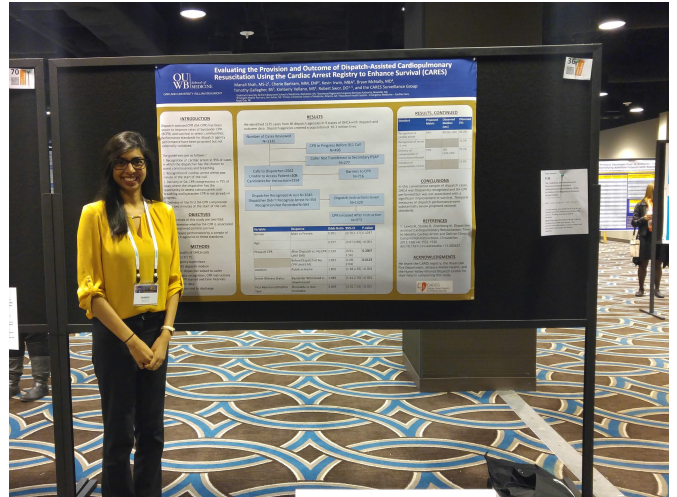
CARES Current Coverage and Focus States

As a result of the efforts from all of our participants, we continue to increase our national footprint. Below you will find a map of our existing communities and states, as well as our focus states for 2017. CARES is one of the largest out-of-hospital registry and quality improvement programs in the world, and we continue to focus on improving care and saving lives. Thank you for your continued support of the program.



CARES Spotlight

Manali Shah and Dr. Bob Swor presented two CARES abstracts at the 2017 NAEMSP meeting, entitled “Barriers to Dispatch-Assisted Cardiopulmonary Resuscitation Instruction” and “Evaluating the Provision and Outcome of Dispatch-Assisted Cardiopulmonary Resuscitation Using the Cardiac Arrest Registry to Enhance Survival (CARES)”.



They evaluated a convenience sample of 3,335 cases from the supplemental CARES Dispatcher Assisted CPR (DA-CPR) module and found that temporal measures of dispatch performance were substantially below proposed national standards. Failure to transfer callers to a dispatcher capable of providing DA-CPR instructions and the inability to move the patient were major barriers to DA-CPR provision. Finally, out-of-hospital cardiac arrest (OHCA) was frequently recognized (83.1% of cases) and DA-CPR instructions provided (73.5% of cases), but was not associated with a significant improvement in survival (OR=1.20, 95% CI 0.88, 1.64).

CARES Attends NAEMSP

CARES Staff had the pleasure of attending this year's National Association of EMS Physicians Conference in New Orleans, LA. We would like to say thank you to all who attended the CARES/ PAROS Meeting and those of you who stopped by the CARES booth. We would like to give a special thank you to our guest speakers Dr. Jason Kruger, Medical Director of Lincoln, NE Fire/EMS, and Dr. Joyce Kong, Seoul National University in Korea, for their presentations at the CARES/PAROS meeting.



CARES/PAROS Annual Dinner 1/24/17

Software Update

CARES released a number of software updates this month. Please see below for details about these enhancements.

CARES Form

- The CARES form has been updated to include free text fields after all “Other” answer choices, to include mechanical CPR device (#38), advanced airway (#40), and ITD (#41). Corresponding columns have been added to the Excel exports.

Search, Excel exports, and reports:

- A number of legacy answer choices have been removed from the CARES Search pages, in an effort to align more closely with the current CARES form.
- The numeric Import Codes have been removed from the Destination Hospital and Transfer Hospital Excel export cells, making it easier to sort this data by hospital name.
- All CARES reports now default to the “Non-Traumatic CARES Case” filter to reflect our current case definition.

Website:

The following information has been updated on the CARES homepage:

- Map of current sites
- Publication list
- Oversight Board, Advisory Council, and Data Sharing Committee member lists
- Sponsors
- Contact Us page

In addition, the CARES end user Data Dictionary has been moved to the Data → Data Elements sub-tab, and the recent NASEMSO resolution endorsing CARES is now posted under Education/Resources → Letters of Support.

Publications

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

Adabag S, Hodgson L, Garcia S, Anand V, Frascione R, Conterato M, Lick C, Wesley K, Mahoney B, Yannopoulos D. Outcomes of sudden cardiac arrest in a state-wide integrated resuscitation program: Results from the Minnesota Resuscitation Consortium. *Resuscitation*. 2017 Jan; 110:95-100. [Epub ahead of print].

Buckler DG, Burke RV, Naim MY, MacPherson A, Bradley RN, Abella BS, Rossano JW, CARES Surveillance Group. Association of Mechanical Cardiopulmonary Resuscitation Device Use With Cardiac Arrest Outcomes: A Population-Based Study Using the CARES Registry (Cardiac Arrest Registry to Enhance Survival). *Circulation*. 134(25):2131-2133 (2016).

Naim MY, Burke RV, McNally BF, Song L, Griffis HM, Berg RA, Vellano K, Markenson

D, Bradley RN, Rossano JW. Association of Bystander Cardiopulmonary Resuscitation With Overall and Neurologically Favorable Survival After Pediatric Out-of-Hospital Cardiac Arrest in the United States: A Report From the Cardiac Arrest Registry to Enhance Survival Surveillance Registry. *JAMA Pediatr*. 2016 Nov 12. doi: 10.1001/jamapediatrics.2016.3643. [Epub ahead of print].

Girotra S, van Diepen S, Nallamothu BK, Carrel M, Vellano K, Anderson ML, McNally N, Abella B, Sasson C, Chan PS; in collaboration with CARES Surveillance Group and the HeartRescue Project. Regional Variation in Out-of-Hospital Cardiac Arrest Survival in the United States. *Circulation*. 133(22):2159-68 (2016).

Mader TJ, Nathanson BH, Coute RA, McNally BF. A Descriptive Analysis of Therapeutic Hypothermia Application Across Adult Age Groups. *Ther Hypothermia Temp Manag*. 6(3):140-5 (2016).

Chan P, McNally B, Nallamothu BK, Tang F, Hammill BG, Spertus JA, Curtis LH. Long-Term Outcomes Among Elderly Survivors of Out-of-Hospital Cardiac Arrest. *Journal of the American Heart Association*. 5:e002924 (2016).

Hansen CM, Kragholm K, Granger CB, Pearson DA, Tyson C, Monk L, Corbett C, Nelson RD, Dupre ME, Fosbøl EL, Strauss B, Fordyce CB, McNally B, Jollis JG. The role of bystanders, first responders, and emergency medical service providers in timely defibrillation and related outcomes after out-of-hospital cardiac arrest: Results from a statewide registry. *Resuscitation*. 96:303-9 (2015).

Vyas A, Chan PS, Cram P, Nallamothu BK, McNally B, Girotra S. Early Coronary Angiography and Survival After Out-of-Hospital Cardiac Arrest, 2015. *Circulation: Cardiovascular Intervention*. 8(10):1-7 (2015).

American Heart Association Cardiovascular Statistics

Your daily efforts allowed CARES metrics to be used in the annual AHA statistical update. The link below will provide a PDF download of the latest article. Please review chapter 18, which addresses cardiac arrest and highlights CARES metrics.

<http://circ.ahajournals.org/content/early/2017/01/25/CIR.0000000000000485>

CARES Partners

