GWTG Resuscitation Publications
(As of 5/2/2019)

The following is a list of Get With The Guidelines-Resuscitation (formerly National Registry of CardioPulmonary Resuscitation) publications to date. The links provided below will connect you to the web site of the publication, or where the abstract was published. Some abstracts are not available online. If you can't find the abstract on-line, please contact the journal for information on how to obtain a copy.

Total publications: 130

2019 (6)

The Association of Hospital Rate of Delayed Epinephrine Administration With Survival to Discharge for Pediatric Nonshockable In-Hospital Cardiac Arrest. Raymond TT, Praestgaard A, Berg RA, Nadkarni VM, Parshuram CS. Pediatric Critical Care Medicine. DOI: 10.1097/PCC.0000000000001863. 1/21/19. (Pediatrics)

Delays in CPR, defibrillation, and epinephrine administration may all decrease survival in in-hospital cardiac arrest. Bircher NG, Chan PS, Xu Y. Anesthesiology. DOI: 10.1097/ALN.0000000000002563. 1/28/19.


2018 (11)

Email GWTGResuscitationResearch@heart.org if you have any questions.


Derivation and Internal Validation of a Mortality Prediction Tool for Initial Survivors of Pediatric In-Hospital Cardiac Arrest. Anderson, Lars. Pediatric Critical Care Medicine. DOI: 10.1097/PCC.0000000000001416. 3/1/2018. (Pediatrics)


Biphasic Waveform External Defibrillation Starting Energy and In-Hospital Cardiac Arrest Survival: Retrospective Cohort Study From the Get With the Guidelines-Resuscitation Registry. PM Schneider, W Liu, GK Grunwald, PS Chan, BK Nallamothu, C Sasson, PD Varosy, MP Turakhia, B Ogunnaike, PM Ho, SM Bradley. Journal of the Minneapolis Heart Institute Foundation. DOI: 10.21925/mplsheartjournal-D-18-00001. 7/1/18.

Racial Differences in Long-Term Outcomes Among Older Survivors of In-Hospital Cardiac Arrest. Chen LM, Nallamothu BK, Spertus JA, Tang Y, Chan PS. Circulation. DOI: 10.1161/CIRCULATIONAHA.117.033211. 7/9/18. (Young Investigator Winner)


Association between time to defibrillation and survival in pediatric in-hospital cardiac arrest with a first documented shockable rhythm. Hunt EA, Duval-Arnould JM, Bembea MM, Raymond T, Calhoun A,

Email GWTGResuscitationResearch@heart.org if you have any questions.
2017 (16)

Survival Rates Following Pediatric In-Hospital Cardiac Arrests During Nights and Weekends. Bhanji, Farhan. JAMA Pediatrics. 1/1/17. (Pediatrics)


Association Between Tracheal Intubation During Adult In-Hospital Cardiac Arrest and Survival. Andersen, Lars. JAMA. 2/7/17

Predicting In-Hospital Mortality for Initial Survivors of Acute Respiratory Compromise (ARC) Events: Development and validation of the ARC Score. Moskowitz, Ari. Resuscitation. 3/4/17

The Association Between Physician Turnover (The “July Effect”) and Survival After In-Hospital Cardiac Arrest. Myers, Laura. Resuscitation. 3/8/17

Frequency of Medical Emergency Team Activation Prior to Pediatric Cardiopulmonary Resuscitation. Jayaram, Natalie. Resuscitation. 4/1/17. (Pediatrics)

Pediatric In-Hospital Acute Respiratory Compromise: description and factors associated with mortality. Andersen, Lars. Pediatric Critical Care Medicine. 5/10/17. (Pediatrics)

Epinephrine Dosing Interval and Survival Outcomes in Pediatric In-Hospital Resuscitation. Hoyme, Derek. Resuscitation. 5/25/17. (Pediatrics)

Association Between Survival and Time of Day for Rapid Response Team Calls in a National Registry. Churpek, Matthew. Critical Care Medicine. 7/22/17

Patterns of Resuscitation Care and Survival After In-Hospital Cardiac Arrest in Patients with Advanced Cancer. Bruckel, Jeffrey. Journal of Oncology Practice. 8/1/17

Association Between Hospital Rates of Early Do-Not-Resuscitate Orders and Favorable Neurological Survival Among Survivors of In-Hospital Cardiac Arrest. Fendler, Tim. American Heart Journal. 8/7/17


Administrative Codes for Capturing In-Hospital Cardiac Arrest. Khera, Rohan. JAMA Cardiology. 9/6/17

Impact of timing of cardiac arrest during hospitalization on survival outcomes and subsequent length of stay. Qazi, Abdul. Resuscitation. 10/13/17

Long-Term Survival Trends of Medicare Patients After In-Hospital Cardiac Arrest: Insights from Get With The Guidelines-Resuscitation. Thompson, Lauren. Resuscitation. 11/1/17

Email GWTGResuscitationResearch@heart.org if you have any questions.
Association Between Prompt Defibrillation and Epinephrine Treatment With Long Term Survival After In-Hospital Cardiac Arrest. Patel, Krishna. *Circulation*. 12/26/17

2016 (18)

Better Nurse Staffing and Nurse Work Environments Associated With Increased Survival of In-Hospital Cardiac Arrest Patients. McHugh, Matthew. *Medical Care*. 1/1/16


Association Between Hospital Process Composite Performance and Patient Outcomes After In-Hospital Cardiac Arrest Care. Anderson, Monique. *JAMA Cardiology*. 2/24/16


Early Administration of Epinephrine (Adrenaline) in Patients with Cardiac Arrest with Initial Shockable Rhythm in Hospital: propensity score matched analysis. Anderson, Lars W. *BMJ*. 4/6/16

Defibrillation Time Intervals and Outcomes of Cardiac Arrest in Hospital: A retrospective cohort study from Get With The Guidelines-Resuscitation registry. Bradley, Steven. *BMJ*. 4/7/16

Missed Opportunities in Use of Medical Emergency Teams Prior to in-Hospital Cardiac Arrest. Chan, Maya. *AHJ*. 4/29/16


Location of In-Hospital Cardiac Arrest in the United States- Variability in Event Rate and Outcomes. Perman, Sarah. *JAHA*. 9/29/16

Email GWTGResuscitationResearch@heart.org if you have any questions.
**Association Between Therapeutic Hypothermia and Survival After In-Hospital Cardiac Arrest.** Chan, Paul. *JAMA.* 10/4/16

**The Association Between Tracheal Intubation During Pediatric In-Hospital Cardiac Arrest and Survival.** Andersen, Lars. *JAMA.* 10/4/16. (Pediatrics)

**Survival Rates Following Pediatric In-Hospital Cardiac Arrests During Nights and Weekends.** Bhanji, Farhan. *JAMA Pediatrics.* 11/7/16. (Pediatrics)

**Hospital Variation in Time to Administration of Epinephrine After Cardiac Arrest with Initial Non-Shockable Rhythm.** Khera, Rohan. *Circulation.* 12/1/16

**Duration of Resuscitation Efforts in Relation to Probability of Arrest Survival.** Bradley, Steven. *Resuscitation.* 12/27/16

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**2015 (8)**

**Effectiveness of Implantable Cardioverter-Defibrillators in Survivors of In-Hospital Cardiac Arrest.** Chan, Paul. *American Heart Journal.* 2/26/15.

**Sodium Bicarbonate Use During In-hospital Pediatric Pulseless Cardiac Arrest - A Report From the American Heart Association Get With The Guidelines®-Resuscitation.** Raymond, Tia. *Resuscitation.* 1/15/15. (Pediatrics)

**Policies Allowing Family Presence During Resuscitation and Patterns of Care During In-Hospital Cardiac Arrest.** Goldberger, Zachary D. *Circulation: Cardiovascular Quality & Outcomes.* 3/24/2015

**The Administration of Dextrose During In-hospital Cardiac Arrest is Associated with Increased Mortality and Neurologic Morbidity.** Peng, Teng J. *Critical Care.* 4/10/15.


**Time to Epinephrine and Mortality Following Pediatric In-Hospital Cardiac Arrest.** Anderson, Lars W. *JAMA.* 8/25/15. (Pediatrics)

**The Prevalence and Significance of Abnormal Vital Signs Prior to In-Hospital Cardiac Arrest.** Anderson, Lars W. *Resuscitation.* 9/8/15

**Alignment of Do-Not-Resuscitate Status With Patients’ Likelihood of Favorable Neurological Survival After In-Hospital Cardiac Arrest.** Fendler, Tim. *JAMA.* 9/22/15

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**2014 (7)**

**Hospital Variation in Survival after In-hospital Cardiac Arrest.** Merchant, Raina. *JAHA.* 1/31/14

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Email GWTGResuscitationResearch@heart.org if you have any questions.
Time to administration of epinephrine and outcome after in-hospital cardiac arrest with non-shockable rhythms: retrospective analysis of large in-hospital data registry. Donnino, Michael. BMJ. 5/20/14

Hospital Variation in Survival Trends for In-hospital Cardiac Arrest. Girotra, Saket. JAHA. 6/10/14

Hospital Variation in Survival After Pediatric In-Hospital Cardiac Arrest. Jayaram, Natalie. Circulation: Cardiovascular Quality & Outcomes. 6/17/14. (Pediatrics)


Racial disparities in outcomes following PEA and asystole in-hospital cardiac arrests. Razi, Rabia R. Resuscitation. 12/9/14

Age, sex, and hospital factors are associated with the duration of cardiopulmonary resuscitation in hospitalized patients who do not experience sustained return of spontaneous circulation. Khan, Abigail. JAHA. 12/17/14

2013 (14)


Long-Term Outcomes of Elderly Survivors of In-Hospital Cardiac Arrest. Chan, Paul. New England Journal of Medicine. 3/14/13

Use of Therapeutic Hypothermia After In-Hospital Cardiac Arrest. Mikkelsen, Mark E. Critical Care Medicine. 3/20/13


Risk-Standardizing Survival for In-Hospital Cardiac Arrest to Facilitate Hospital Profiling. Chan, Paul. Journal of the American College of Cardiology. 6/12/13

Association between a hospital's rate of cardiac arrest incidence and cardiac arrest survival. Chen, Lena. JAMA Internal Medicine. 7/8/13


Development and validation of the Good Outcome Following Attempted Resuscitation (GO-FAR) score to predict neurologically intact survival following in-hospital cardiopulmonary resuscitation. Ebell, Mark. JAMA. 11/11/13

Email GWTGResuscitationResearch@heart.org if you have any questions.

Adrenaline (Epinephrine) Dosing Period and Survival after In-Hospital Cardiac Arrest: A Retrospective Review of Prospectively Collected Data. Warren, Sam. Resuscitation. 11/16/13


Prediction of survival to discharge following cardiopulmonary resuscitation using classification and regression trees. Ebell, Mark. Critical Care Medicine. 12/24/13

Predictors of Survival from Perioperative Cardiopulmonary Arrests: A Retrospective Analysis of 2,524 Events from the Get With The Guidelines-Resuscitation Registry. Ramachandran, Satya K. Anesthesiology. 12/24/13

2012 (8)

Variability in case-mix adjusted in-hospital cardiac arrest rates. Merchant, Raina. Medical Care. 2/28/12

Duration of Hospital Participation in Get With the Guidelines-Resuscitation and Survival of In-Hospital Cardiac Arrest. Bradley, Steven. Resuscitation. 3/17/12

A Validated Prediction Tool for Initial Survivors of In-Hospital Cardiac Arrest. Chan, Paul. JAMA Internal Medicine. 6/25/12


Duration of resuscitation efforts and survival after in-hospital cardiac arrest: an observational study. Goldberger, Zachary. The Lancet. 9/4/12


2011 (5)

In-hospital cardiac arrest: Impact of monitoring and witnessed event on patient survival and neurologic status at hospital discharge. Brady, WJ. Resuscitation. 3/31/11

Email GWTGResuscitationResearch@heart.org if you have any questions.
Impact of Resuscitation System Errors on Survival from In-hospital Cardiac Arrest. Ornato, Joseph. Resuscitation. 9/29/11

Outcomes After In-hospital Cardiac Arrest in Children with Cardiac Disease. Ortmann, Laura. Circulation. 10/24/11. (Pediatrics)

Incidence of treated cardiac arrest in hospitalized patients in the United States. Merchant, Raina. Critical Care Medicine. 11/1/11

Early cardiac arrest in patients hospitalized with pneumonia: a report from the American Heart Association's Get With the Guidelines - Resuscitation Program. Carr, GE. Chest. 12/22/11

2010 (10)

Rhythms and Outcomes of Adult In-Hospital Cardiac Arrest. Meaney, Peter. Critical Care Medicine. 1/1/10

Pre-resuscitation Factors Associated with Mortality in 49,130 Cases of In-Hospital Cardiac Arrest: A Report from the National Registry for Cardiopulmonary Resuscitation. Larkin, Gregory L. Resuscitation. 1/4/10


Outcomes of Critically Ill Patients who Received Cardiopulmonary Resuscitation. Tian J. American Journal of Respiratory & Critical Care Medicine. 4/22/10


Body Mass Index and Survival after In Hospital Cardiac Arrest. Jain, Renuka. Circulation: Cardiovascular Quality & Outcomes. 8/10/10

Delayed Time to defibrillation after Intraoperative and Periprocedural Cardiac Arrest. Mhyre, Jill. Anesthesiology. 10/31/10

Automated External Defibrillators and Survival After In-Hospital Cardiac Arrest. Chan, Paul. JAMA. 11/15/10


2009 (11)

Email GWTGResuscitationResearch@heart.org if you have any questions.
Using the American Heart Association’s National Registry of Cardiopulmonary Resuscitation for Performance Improvement Hunt, Elizabeth. *Joint Commission Journal of Quality and Patient Safety.* 1/1/09 (Online 11/16/16)


Derangements in Blood Glucose Following Initial Resuscitation from In-Hospital Cardiac Arrest: A Report from the National Registry of Cardiopulmonary Resuscitation Beiser, David. *Resuscitation.* 3/19/09

Hospital Level Variation in Time to Defibrillation for In-Hospital Cardiac Arrest. Chan, Paul. *Archives of Internal Medicine.* 7/29/09

Racial Differences in Time to Defibrillation and Survival Outcomes After In-Hospital Cardiac Arrest. Chan, Paul. *JAMA.* 9/16/09

Factors Associated With Neurologically-Intact Survival for Patients With Acute Heart Failure and In-Hospital Cardiac Arrest. Levy, Phillip. *Circulation: Heart Failure.* 9/28/09

Body Temperature changes are associated with outcomes following In-Hospital Cardiac Arrest and Return of Spontaneous Circulation: a Report from the National Registry of Cardiopulmonary Resuscitation. Suffoletto, Brian. *Resuscitation.* 10/5/09

The First Documented Cardiac Arrest Rhythm in Patients with Heart Failure. Peberdy, Mary Ann. *Resuscitation.* 10/5/09


Outcomes Among Neonates, Infants and Children after Extracorporeal Cardiopulmonary Resuscitation (ECPR) for Refractory In-Hospital Pediatric Cardiac Arrest: Data from the National Registry of Cardiopulmonary Resuscitation. Raymond, Tia T. *Pediatric Critical Care Medicine.* 11/17/09. (Pediatrics)


2008 [7]


Increasing Amiodarone Use in Cardiopulmonary Resuscitation: An Analysis of the National Registry of Cardiopulmonary Resuscitation. October, Tessie. *Critical Care Medicine.* 1/31/08

Survival from In-Hospital Cardiac Arrest During Nights and Weekends. Peberdy, Mary Ann. *JAMA.* 2/20/08

Email GWTGResuscitationResearch@heart.org if you have any questions.


Cardiac arrests of hospital staff and visitors: Experience from the national registry of cardiopulmonary resuscitation. Adams, Bruce. *Resuscitation*. 12/11/08

2006 (5)

First Documented Rhythm and Clinical Outcomes From In-Hospital Cardiac Arrest Among Children and Adults. Nadkarni, Vinay. *JAMA*. 1/4/06. (Adult & Pediatrics)


2005 (2)

Cardiac Arrest of Nonpatients Within Hospital Public Areas. Adams, Bruce. *American Journal of Cardiology*. 6/1/05


2003 (1)