Get With The Guidelines-Resuscitation

Improving Resuscitation Safety and Patient Survival

Formerly:
National Registry of Cardiopulmonary Resuscitation

Conflict of Interest Statement

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Get With The Guidelines-Resuscitation

- Paid Staff: AHA
- Co-authored Publications for Get With The Guidelines-Resuscitation
- Member GWTG-R, Science Advisory Board
Objectives of Session 1

- Review history and purpose of Get With The Guidelines-Resuscitation
- Review current participation and event volume
- Describe GWTG-R Measures
- Discuss successful facility implementation strategies

Get With The Guidelines-Resuscitation

The first widely distributed quality management/patient safety tool developed by a world leader in cardiovascular science that thoroughly evaluates the care and outcomes of ALL in-hospital resuscitation events.

Who is Get With The Guidelines-Resuscitation?

- American Heart Association
- Get With The Guidelines-Resuscitation Science Advisory Board (SAB)
- Outcome Sciences, Inc.
- Member hospitals throughout the nation
Get With The Guidelines: Resuscitation

• The largest code event dataset in the world containing over 190,000 CPA events and 110,000 MET events collected since 2000

• Includes Coding Instructions that were designed by Members of the Get With The Guidelines-Resuscitation SAB who are experts in the field of resuscitation and based on the internationally recommended Utstein reporting framework for CPA and MET.

Emergency Team, Outreach, and Rapid Response Systems: An Utstein-Style Scientific Statement: A Scientific Statement From the International Liaison Committee on Resuscitation

COMMONLY HELD BELIEF:

The outcome from in-hospital cardiac arrests is good because the hospital environment contains large numbers of highly qualified health-care providers with the necessary training and equipment to respond promptly to the event.

Let's look at the facts:

• **82%** of adult code event patients **do NOT survive** to discharge

• **73%** of pediatric code event patients **do NOT survive** to discharge

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*JAMA, January, 4, 2006 (Vol 295, No.1)*

*Compiled from Get With The Guidelines-Resuscitation data*
You should know

- 70% of patients show evidence of respiratory deterioration within 8 hours prior to arrest (Schein et al)
- and in another study.......
- 66% of patients show abnormal signs and symptoms within 6 hours of arrest and MD is notified in only 25% of cases (Franklin et al)

Source: How-to Guide: Rapid Response Teams, Institute for Healthcare Improvement

We CAN do better

It's time for data and information to replace anecdotes and impressions surrounding in-hospital resuscitation.

To achieve greatness...

- Start where you are.
- Use what you have.
- Do what you can.

Arthur Ashe
Get With The Guidelines-Resuscitation offers standard language to describe resuscitation practice and patient outcomes

Now across the nation, hundreds and eventually thousands of hospitals are able to use the same data definitions to measure resuscitation outcomes. As a result, a standard language for resuscitation has evolved and allows for apples to apples comparisons.

Comparative Data

Comparative data on in-hospital resuscitation events can help validate the success of a resuscitation program - or suggest a need to improve.

The Joint Commission

Participation in the Get With The Guidelines-Resuscitation facilitates a facility's effort to comply with the Joint Commission National Patient Safety Goals and standards for monitoring performance in resuscitation events.
2010 ECC Guidelines for In-Hospital Resuscitation

The Get With The Guidelines-Resuscitation central registry has been a key resource for research and the development of AHA's 2010 Guidelines. These Guidelines will likely be driven by data from hundreds of thousands of resuscitation events from all across the world.

“Bow Tie” of Resuscitation

Get With The Guidelines-Resuscitation addresses all aspects of the resuscitation process (Post Resus Module under development).

What Types of Resuscitation Events are Measured by Get With The Guidelines-Resuscitation?

- Medical Emergency Team Activation (MET)
  - Patient condition is deteriorating – team response needed to intervene for the crisis
What Types of Resuscitation Events are Measured by Get With The Guidelines-Resuscitation?

- Acute Respiratory Compromise (ARC)
  - Patient requires emergency assisted ventilation

- Cardio-Pulmonary Arrest (CPA)
  - Patient requires chest compressions or shock by a defibrillator.

HOW IS THE Get With The Guidelines-Resuscitation DATASET ORGANIZED?
Annual Facility Profile Survey

- Basic information about the hospital
- Capacity and census data
- MET/RRS program information

PURPOSE:

1. Meaningful & specific comparative data.
2. Better understanding of factors affecting practice and outcome

Admission/Discharge Data:

- Patient related information that includes:
  - Patient demographics
  - Admission (system entry) information
  - Discharge information
  - Outcome measures

Event Data:

- Event related information:
  - Event type: MET, ARC, CPA
  - Pre-event information
  - Event intervals/ equipment/medications
  - Event outcome
  - Post event information (for patients that survive CPA)
Performance Improvement Section

• Section 8.1 – CPR Quality:
  – A strong implication for positive patient outcomes makes collecting and monitoring this information important.

• Section 8.2 – Other Resuscitation Events/Issues
  – Includes information related to possible process and structural concerns that may have occurred during event
    NOTE: Use AHA’s Event Review Form as a debriefing tool to collect this information

The Get With The Guidelines-Resuscitation measures are based on current ECC Guidelines for In-Hospital Resuscitation:

• International consensus statements
• Evidence-based
• Subject to ongoing research and evaluation
• Resuscitation performance benchmarks
• New ECC Guidelines released every 5 years
  – 2010 ECC Guidelines were released in November 2010
  – Get With The Guidelines-Resuscitation measures are in the process of being updated to be in compliance

What you need to know about the Get With The Guidelines-Resuscitation Measures

• Allow you to compare your facility’s performance with that of other member facilities.
• Allow you to identify opportunities to improve your resuscitation practice.
What Get With The Guidelines-Resuscitation Can Do for You:

- Tracks all qualifying events throughout the hospital for neonatal, pediatric, and adult populations.
- Saves time and money: avoids the expense of developing and supporting your own data collection and reporting system.
- Allows Members to network and share ideas via user group webcasts and conferences.

What Get With The Guidelines-Resuscitation Can Do for You:

- Provides evidence-based benchmarks based on current research and compares your outcomes with other member hospitals of a similar size and type.
- Web based reports and graphs are available to the hospital upon initial data entry and 24/7.
- Get With The Guidelines-Resuscitation performance benchmarks are updated at no additional cost and are compliant with the most recent ECC guidelines.
- Training provided at no additional cost for member facilities.

DON'T GET MAD – GET DATA!
See Your Results Immediately!
Web Based Reports can be run from your own computer

- Available to you 24/7 for impromptu committee meetings and presentations
- Include customized measures & filters such as:
  - Comparison data
  - Configurable with filter capacity
  - GWTG-R Measures: compliance & exceptions
  - Location and time of events: MET ARC CPA
  - Various graph and patient record formats available

American Heart Association Guidelines 2010: Chain of Survival

- Now Five links in the adult Chain of Survival:
  - Immediate recognition and activation of emergency response system
  - Early CPR with emphasis on chest compressions
  - Rapid defibrillation
  - Effective advanced life support
  - Integrated post-cardiac arrest care

Opportunities for improvement.....
Use Get With The Guidelines - Resuscitation Data to Evaluate Staff Educational Needs

- Training Centers soon will need to train staff on updated ACLS/PALS/BLS courses based on 2010 ECC Guidelines.
- How will you know if staff are following updated standards at the bedside?

Use Get With The Guidelines - Resuscitation Data to Evaluate Equipment and Resource Needs

- What drugs & equipment are needed on the Crash cart?
  - Drug/Non-drug interventions
- Do you have enough monitored beds?
  - Event location?
  - Event Witnessed/Unwitnessed?
  - First pulseless rhythm?
  - Shockable Non-Shockable
- Do you have an adequate number of trained, experienced staff to respond to patient deteriorating condition?
  - Event date/time/location
  - Pre-event data

Use Get With The Guidelines - Resuscitation Data to Monitor and Evaluate the Change Process

- Know that changing a landscape takes time and persistence.
- Recognize that old habits have a way of resurfacing.
- Be energized by identifying problems
- Celebrate success!
Summary

We work hard to provide an efficient and consistent means for hospitals to effectively collect and analyze resuscitation data, thereby equipping them to evaluate equipment, resources, and training, improve practices... and ultimately save lives

Get With The Guidelines-Resuscitation’s Data-driven standards can help you provide safe passage for your patients