

# High-Quality CPR Consensus Statement

June 25, 2013







### CPR Quality: Improving Cardiac Resuscitation Outcomes Both Inside and Outside the Hospital

A Consensus Statement From the American Heart Association

Meaney PA, Bobrow BJ, Mancini ME, Christenson J, de Caen AR, Bhanji F, Abella BS, Kleinman ME, Edelson DP, Berg RA, Aufderheide TP, Menon V, Leary M;

on behalf of the CPR Quality Summit Investigators, the American Heart Association Emergency Cardiovascular Care Committee, and the Council on Cardiopulmonary, Oritical Care, Perioperative and Resuscitation.

*Circulation.* 2013: published online before print June 25, 2013, 10.1161/CIR.0b013e31829d8654





### Recommendations

- 1. High-quality CPR should be recognized as the foundation on which all other resuscitative efforts are built. Target CPR performance metrics include
  - a. CCF greater than 80%
  - b. Compression rate of 100 to 120/min
  - c. Compression depth of at least 50 mm in adults with no residual leaning
    - . (At least one third the anterior-posterior dimension of the chest in children)
  - d. Avoid excessive ventilation
    - i. (Only minimal chest rise and a rate of less than 12 breaths per minute)

#### 2. At every cardiac arrest attended by professional rescuers

- a. Use at least 1 modality of monitoring the team's CPR performance
- Depending on available resources, use at least 1 modality of monitoring the patient's physiological response to resuscitative efforts
- c. Continually adjust resuscitative efforts based on the patient's physiological response

#### 3. Resuscitation teams should coordinate efforts to optimize CPR during cardiac arrest by

- a. Starting compressions rapidly and optimizing CPR performance early
- b. Making sure that a team leader oversees the effort and delegates effectively to ensure rapid and optimal CPR performance
- c. Maintaining optimal CPR delivery while integrating advanced care and transport





### Recommendations

#### 4. Systems of care (EMS system, hospital, and other professional rescuer programs) should

- a. Determine a coordinated code team response with specific role responsibilities to ensure that high-quality CPR is delivered during the entire event
- b. Capture CPR performance data in every cardiac arrest and use an ongoing CPR CQI program to optimize future resuscitative efforts
- c. Implement strategies for continuous improvement in CPR quality and incorporate education, maintenance of competency, and review of arrest characteristics that include available CPR quality metrics

#### 5. A national system for standardized reporting of CPR quality metrics should be developed

- a. CPR quality metrics should be included and collected in national registries and databases for reviewing, reporting, and conducting research on resuscitation
- b. The AHA, appropriate government agencies, and device manufacturers should develop industry standards for interoperable raw data downloads and reporting from electronic data collected during resuscitation for both quality improvement and research





# Resources for High-Quality CPR







## Not just a statement release

- AHA has developed and will implement an integrated Marketing Communication plan to:
  - increase awareness of the importance of high-quality CPR
  - educate healthcare providers on how to implement the recommendations to improve CPR performance and increase patient survival and improve outcomes





# High-Quality CPR Emblem

- The visual "signature" of the campaign
- Add to your email and social media and link to our website at <u>www.heart.org/cprquality</u>

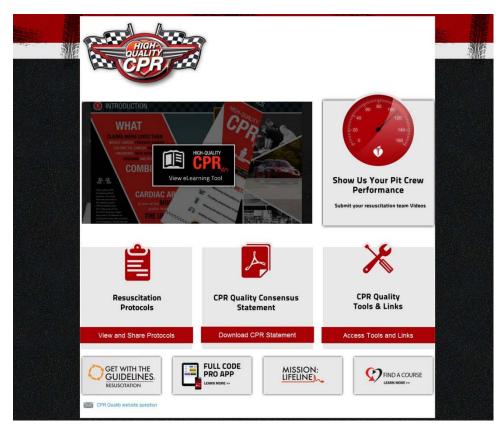






## Website

### www.heart.org/cprquality









## Website

### www.heart.org/cprquality



- eLearning tool
- Video submission
- Resuscitation protocols
- Link to the statement
- CPR Quality report cards
- Full Code Pro link
- Links to other AHA
  resuscitation programs





# eLearning Tool



HIGH-QUALITY CPR





# eLearning Tool

- Walks the user through practical application of the recommendations
- Provides interactive experience with quizzes, videos, checklists and other elements
- Captures before and after knowledge





## Questions?



