Come one, come all... Learn More about the Ascent to the AHA Education Summit, and the 2017 Guidelines Update

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Disclosures

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Objectives

Updates from the Resuscitation Education Science Summit

- -Knowledge Translation
- -Implementation
- -Educational Innovation

Provide key updates from the 2017 Guidelines

- -ABLS
- -PBLS
- -Dispatch CPR

AHA Education Summit



Survival from SCA is low possibly due to current resuscitation education strategies

Areas covered by the Education Summit

Deliberate Practice

Spaced Learning

Contextual Learning

Assessment

Feedback and Debriefing

Faculty Development

Knowledge translation and implementation

Educational Innovation

Background: Knowledge Translation and Implementation





Studies have documented resuscitation knowledge translation and implementation efforts have been poor

Background: Knowledge Translation and Implementation



How do we disseminate resuscitation knowledge/skills to the appropriate community stakeholders?

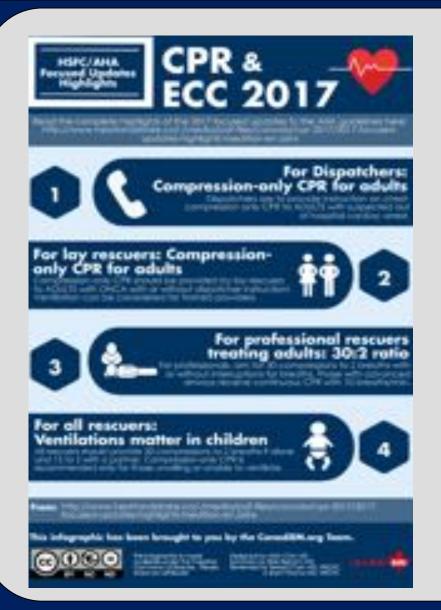
Passive Knowledge Translation



Notes
Posters
Email Reminders
Social Media Campaigns



Passive Knowledge Translation: example



Combined with active knowledge translation!

Website: https://canadiem.org
/ventilation-in-resuscitation/

Passive Knowledge Translation: SoMe example





Change Theory & Design Thinking

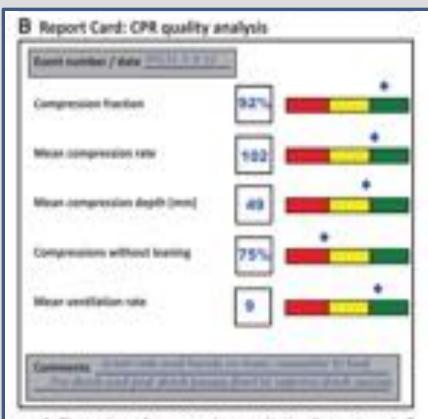


Where you place the feedback device matters!

Consider human factors, ergonomics and the physical space when planning educational measures

Performance Measurements & Quality Improvement





Feedback, public reporting, benchmarking, and quality improvement programs strengthen systems of care

Performance Measurements: example

- eSimulation cases
- Mobile Simulation Stations
- Refreshes CPR skills
- Modules to develop highquality CPR
- Allows providers to maintain course completion cards indefinitely
- Data archived in learning management system

http://cpr.heart.org/AHAECC/CPRAndE CC/Training/RQI/UCM_476470_RQI.js



Incentives and Penalties



Consider if incentives/penalties can play a role in individual, team or performance metrics

Incentives and Penalties - example

Asymmetric Paternalism to Improve Health Behaviors Loewenstein et al, JAMA 2007



Programs where providers are paid financial incentives for achieving quality goals are being widely adopted

Incentives and Penalties - example

Can financial incentives increase enrollment among nurses enrolling for our pragmatic trial?



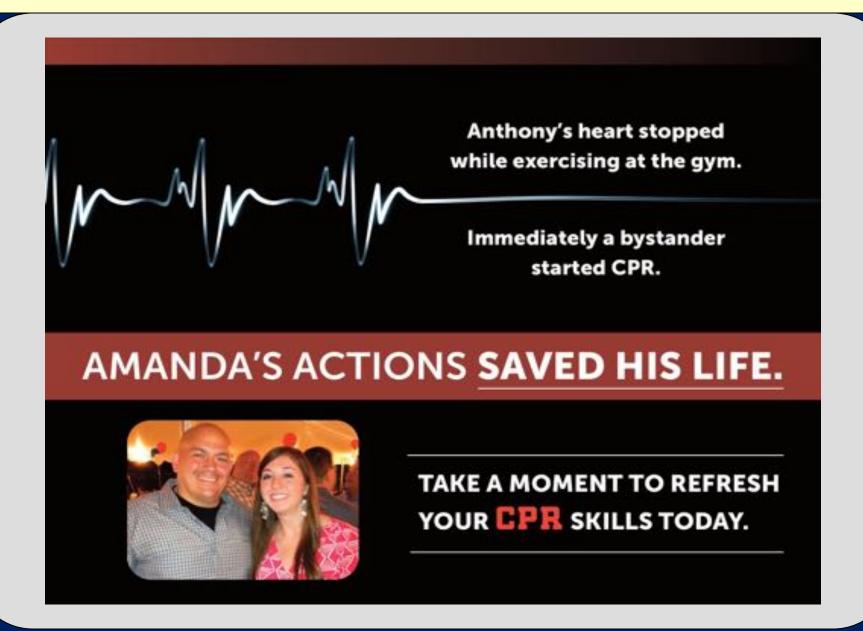
Psychological Marketing



Psychological Marketing - example



Psychological Marketing - example



Psychological Marketing - example

"I was lucky to have my cardiac arrest at work in front of many caring people, but I worry about all of the people who have arrest in their homes.

WHO WILL TRY TO SAVE THEM?"

BRENDA HALLIBURTON
Cardiac Arrest Survivor



YOU CAN BE THE DIFFERENCE.

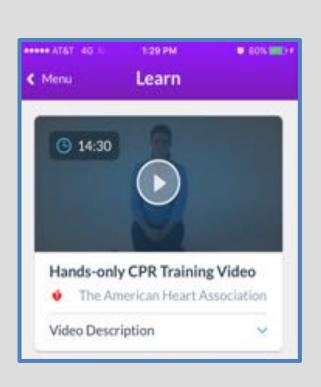
BE PREPARED, REFRESH YOUR EPR SKILLS TODAY.

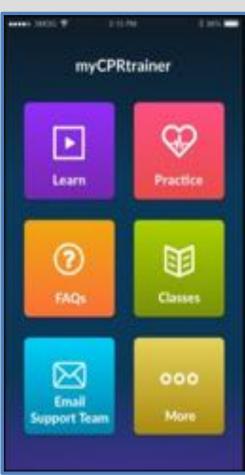
Background: Educational Innovation



Can we disseminate resuscitation knowledge/skills by utilizing innovative current technology and platforms?

Gamified Learning







Using applied game attributes to improve learning and skills/knowledge retention

Social Media



Used for knowledge dissemination, engagement and tracking of attitudes and perceptions

Social Media





Twitter Chats, Journal Clubs are becoming increasingly popular – could we use this to disseminate key skills?

Educational Innovation— other

Blogs, podcasts are becoming increasingly popular

Crowdsourcing



AHA 2017 Guidelines: BLS, PBLS, and CPR Quality

AHA FOCUSED UPDATE

2017 American Heart Association Focused Update on Adult Basic Life Support and Cardiopulmonary Resuscitation Quality: An Update to the American Heart Association Guidelines for Cardio pulmonary Resuscitation and Emergency Cardiovascular Care

Monica E. Kleinman, Zachary D. Goldberger, Thomas Rea, Robert A. Swor, Bertiley J. Bobrow, Erin E. Brennan, Mark Terry, Robin Hemphili, Raul J. Gasmuri, Mary Fran Hazinski, Andrew H. Travers

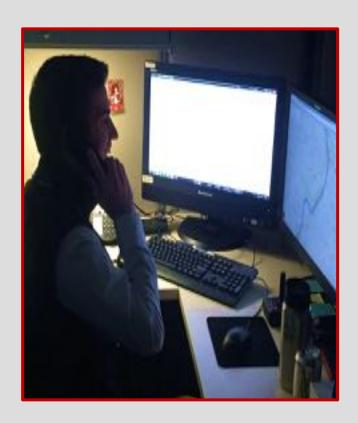
AHA FOCUSED UPDATE

2017 American Heart Association Focused Update on Pediatric Basic Life Support and Cardiopulmonary Resuscitation Quality: An Update to the American Heart Association Guidelines for Cardio pulmonary Resuscitation and Emergency Cardiovascular Care

Dianne L. Advins, Allan R. de Caen, Stuart Berger, Ricardo A. Samson, Stephen M. Schexnayder, Benny L. Joyner, Blair L. Bigham, Dana E. Niles, Jonathan P. Duff, Elizabeth A. Hunt, Peter A. Meaney

AHA 2017 Guidelines: Dispatch-Assisted CPR





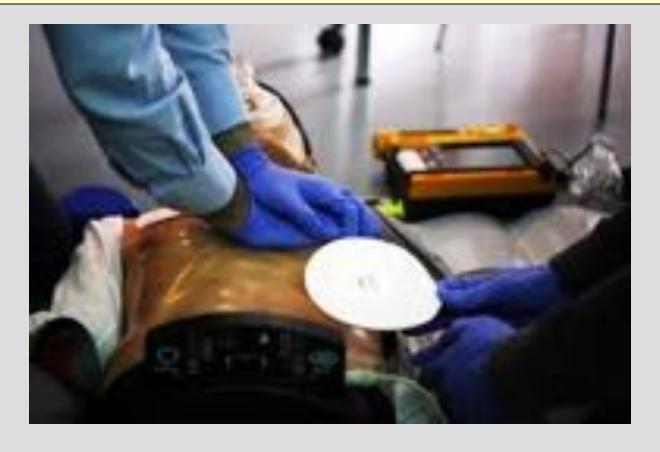
Dispatchers should provide chest compression-only CPR instructions to callers for adults with suspected OHCA

AHA 2017 Guidelines: Adult Bystander CPR



Adults in OHCA: 1) untrained and trained lay rescuers should provide chest compression-only CPR 2) lay rescuers trained in "standard" CPR may provide ventilations + breathes

AHA 2017 Guidelines: Professional Rescuers



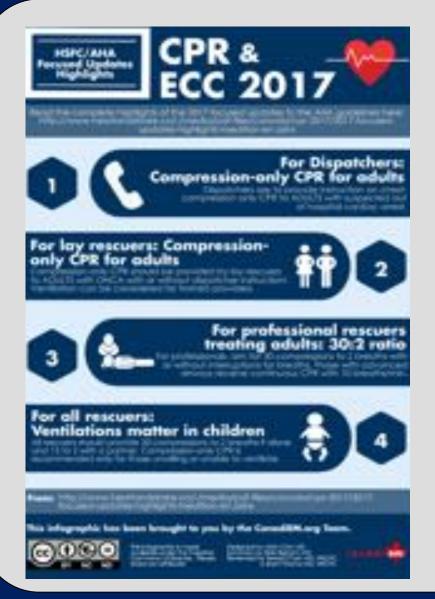
For professional rescuers treating adults: 30:2 ratio: Aim for 30 compressions to 2 breaths with or without interruptions for breaths. Those with advanced airways receive continuous CPR with 10 breaths/min.

AHA 2017 Guidelines: Pediatric BLS



Infant and Child (1y-puberty) in OHCA: chest compressions with rescue breaths should be provided

CPR & ECC 2017 Updates



Website:

https://canadiem.org/ventilation-in-resuscitation/

Interactive website: https://eccguidelines.heart.or g/index.php/circulation/cprecc-guidelines-2/

Thank You!!!! Questions?

