

# Education Science

Effective education is an essential contributor to **improved survival outcomes** from cardiac arrest.



## Training Interventions That Improve CPR Skill Acquisition and Retention



Deliberate practice and mastery learning model



Addition of booster training



Spaced-learning approach



CPR feedback devices



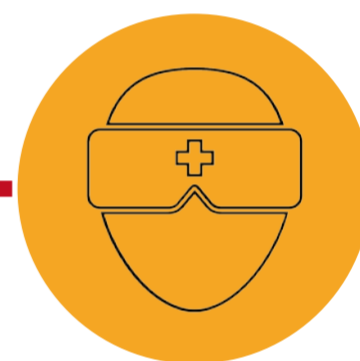
Teamwork and leadership training



In situ training



High-fidelity manikins



Gamified learning and virtual reality

## Targets to Increase Community-Based Lay Rescuers



### Self-Directed CPR Training

For lay rescuers, self-directed CPR training represents a reasonable alternative to instructor-led training.



### Training for Future Community-Based Lay Rescuers

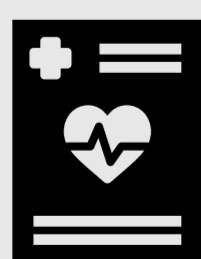
Middle school- and high school-aged children should be taught high-quality CPR.



### Tailored CPR Training to Increase Bystander CPR Rates

CPR training should be tailored to ethnic communities where there are currently low bystander CPR rates.

## Priorities for Future Resuscitation Education Research



Define outcomes of clinical relevance.



Establish links between performance outcomes in training and patient outcomes.



Evaluate the cost-effectiveness of interventions.



Develop instructional design tailored to acquisition of specific skills.