American Heart Association.

RQI RESUSCITATION QUALITY IMPROVEMENT®
An American Heart Association® and Laerdal Program

Laerdal® helping save lives

Resuscitation Quality Improvement® (RQI®) Programs

Experts agree – small imperfections to CPR are harmful to patients and skills are perishable. The ability to consistently administer high-quality CPR is critical to improving outcomes and is the best chance for survival in a cardiac arrest emergency.

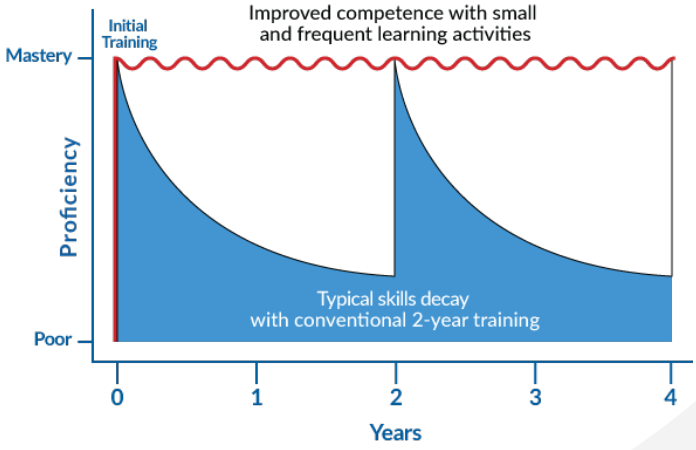
The **Resuscitation Quality Improvement® (RQI®)** programs utilize the latest science and education technology to deliver a comprehensive learning system to address the problem of rapid CPR cognitive and skills decay. Instead of attending CPR courses every two years, learners verify competencies once per quarter and within the hospital setting, in order to achieve and maintain skills mastery in high-quality CPR.

THE SCIENCE BEHIND RQI

We know that high-quality CPR has a significant impact on survival outcomes.[1] To achieve high-quality CPR, providers must be able to improve upon and retain the technical skills of resuscitation. Studies show that the conventional 2-year Basic Life Support (BLS) training cycle is not optimal for achieving the mastery learning of high-quality CPR skills.

BLS skills deteriorate in 3 to 6 months after training.[2]

The perpetual curriculum of the RQI programs replaces skill decay with verified competence by providing learning activities in smaller doses with repetition over time for recall and memory consolidation. In a study using the RQI model, providers increased their CPR skills confidence with an improved performance of compressions and ventilation skills and a decrease in the number of attempts to achieve high-quality CPR.[3]



References:

[1] *Peter A.M., et al. Cardiopulmonary Resuscitation Quality: Improving Cardiac Resuscitation Outcomes Both Inside and Outside the Hospital. Circulation. 2013; 128(4): 417-435*

[2] *Kovács, E., Jenei, Z., Csordás, K. et al. The timing of testing influences skill retention after basic life support training: a prospective quasi-experimental study. BMC Med Educ 19, 452 (2019). https://doi.org/10.1186/s12909-019-1881-7*

[3] *Dudzik et al., Implementation of a Low-Dose, High-Frequency Cardiac Resuscitation Quality Improvement Program in a Community Hospital. The Joint Commission Journal on Quality and Patient Safety. 2019; 000: 1-9*

The **Resuscitation Quality Improvement programs** combine self-directed learning, low-dose high-frequency sessions, directive skills feedback, and adaptive eLearning for convenient learning at the point of care.

RQI PROGRAM DETAILS

Low-dose, high-frequency education – Frequent but short refresher sessions make it easier to fit training into a provider's schedule while improving CPR competence.

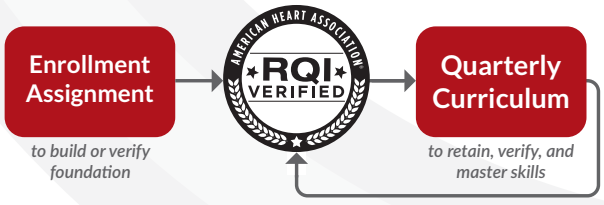
Objective skills feedback – Standardized skills training is completed during self-guided, hands-on skills sessions at the RQI Simulation Station featuring real-time, audiovisual feedback for high-quality CPR skills.

Baseline skills – Data from baseline assessments offer a valuable tool to assess current skills to implement targeted performance improvement measures and offers insight into organizational quality and compliance.

Adaptive Path for Cognitive Learning – The RQI program's True Adaptive™ learning experience uses a personalized algorithm to adapt content to the learner's specific expertise in real time.

RQI Learner Journey

The RQI learners start with an enrollment assignment to build or verify foundational knowledge. Once completed, the learner moves on to the quarterly curriculum to continually retain, verify, and master lifesaving CPR skills. Time to complete the program enrollment and quarterly assignments varies depending on the learner's level of expertise.



Over 1.45 Million healthcare providers have enrolled in the RQI program worldwide since 2018. That's millions of learners ready to save lives from sudden cardiac arrest.

RQI Highlights

- Eliminates CPR skill decay by deploying short quarterly sessions.
- Achieves consistent quality of care across organization.
- Keeps providers at the point of care
- Provides self-directed, hands-on skills training at an RQI Simulation Station.
- Offers training 24/7 to remove scheduling limitations.
- Accommodates varying learning styles with eLearning.
- Minimizes training complexity and costs with subscription model.
- Frees up limited instructor time.
- Streamlines the credentialing process by automating eCredentials.