



THE FUTURE OF EMS TRAINING IS HERE.

THE COMPLETE VIRTUAL REALITY RESUSCITATION TRAINING SUITE

Developed in partnership with EMS agencies and the American Academy of Pediatrics, our VR simulations train providers and validate competencies required to diagnose and resuscitate adults with cardiopulmonary emergencies, and practice critical pediatric emergency assessment and resuscitation management.

Using our VR software and a Quest 2 headset providers can practice whenever, wherever, and however often it's needed. Your staff doesn't need to come in on their days off, and you don't have to pay overtime or spend time resourcing and orchestrating expensive training days.



**ALWAYS
BE READY**

Every emergency call is unique. Each location, each patient, each event tests your providers' skills and confidence. Your team needs consistent, repeatable, real-to-life training that prepares them for pediatric and adult resuscitation scenarios.

A more effective and affordable way to train is with virtual reality (VR) simulations.



ACLS VR SIMULATION

Learners play the team lead running the mega code and are provided thirteen scenarios that reflect both cardiac and non-cardiac arrest scenarios. The experiential learning method requires learners to identify the different cardiac waveforms and direct virtual team members to shock, give meds, or perform CPR as necessary using AI-enabled voice recognition technology.

PEDIATRIC EMERGENCY VR SIMULATION

Pediatric emergencies are challenging. Compared to adults, children have anatomical and physiological differences that mask early indicators of severe illness, and resuscitation interventions are age and weight-dependent. We've developed the first VR solution that has Pediatric Emergency Assessment™ and Pediatric Emergency Care™ training.

Pediatric Emergency Assessment allows your providers to practice recognition of severe illness across children of different ages and races. VR is ideal for training on the pediatric assessment triangle (PAT) because it recreates the pertinent findings in a real-to-life patient and graphically teaches the association of PAT patterns with life-threatening health conditions.

Pediatric Emergency Care puts learners in the role of team lead to care for acutely ill pediatric patients in multiple home settings. Learners evaluate infants and children to identify underlying conditions and intervene with pediatric resuscitation workflows following International Liaison Committee on Resuscitation (ILCOR) guidelines.

THE HEALTH SCHOLARS' DIFFERENCE

The only voice-directed VR simulations that deliver clinical management, cognitive, and communication skills training.

In ½ the time¹ and 83% less cost than physical simulation², our VR system scales experience-based training and assessment to any size learner population, increasing exposure and the frequency of deliberate practice, which can reduce readiness anxiety, and improve retention and performance in-the-field.

- Provides CAPCE-accredited CE credits
- Can be completed with or without an instructor
- Includes in-application debrief
- Delivers performance assessment reporting for an individual learner, a specific station, or across an entire organization



For more information or to schedule a free demo, visit healthscholars.com.

THE SUITE THAT PREPARES YOUR PROVIDERS FOR ANY ADVANCED RESUSCITATION SCENARIO

ACLS

Recognize rhythms to inform management of a non-arrest patient:

- SVT (AVNRT)
- Sinus Tachycardia
- Ventricular Tachycardia
- Sinus Bradycardia
- 2nd Degree AV Block - Type 1
- Atrial Fibrillation with RVR
- Atrial Flutter
- AV Block

Demonstrate situational awareness of the patient's condition, ensure high-quality chest compressions, avoid excessive ventilation, and manage the following rhythms:

- Ventricular Fibrillation
- Ventricular Tachycardia
- Pulseless Ventricular Tachycardia

PEDIATRIC EMERGENCY ASSESSMENT

Series of in-home VR scenarios focused on critical pediatric assessment and stabilization. Designed specifically for first responders, this includes the following assessment and management content:

- Abnormal Work of Breathing
- Abnormal Circulation to Skin
- Abnormal Appearance
- Normal & Abnormal Vitals by Age
- Respiratory Distress
- Respiratory Failure
- Cardiopulmonary Failure
- Compensated Shock
- Decompensated Shock
- CNS/Metabolic Disorders
- Stable Patient

PEDIATRIC EMERGENCY CARE

Our Pediatric Emergency Care VR Simulation Training contains four in-home VR scenarios focused on critical pediatric assessment and stabilization. This VR training is specifically developed for first responders and includes the following assessment and management content:

- Respiratory Distress from asthma and albuterol precipitated stable SVT.
- CNS/Metabolic and cardiopulmonary failure from opiate overdose.
- Viral myocarditis with Hypovolemic shock from diarrhea, CNS/metabolic impairment from hypoglycemia, and unstable wide complex tachycardia.
- Respiratory failure and distributive shock from pneumonia leading to cardiopulmonary arrest.

1. <https://www.jmir.org/2020/3/e17425/>

2. <https://healthscholars.com/mount-sinai-study-virtual-reality-acls-competency/>