



Advancing Safer Care Through Innovation

Partnering with you to transform nursing education and prepare the next generation of healthcare professionals

Presented by: **Stacie Wood, Chief Nursing Officer**
Elevate Healthcare

December 6, 2024

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Elevate Healthcare



Trusted global leader in healthcare simulation and education solutions



Dedicated to supporting nursing educators, students, and healthcare professionals



Focus on collaboration, measurable outcomes, and innovative solutions



We make the world safer, healthier, and more productive by empowering healthcare professionals to deliver confidently in moments that matter



Learning Goals

Learn how our simulators with advanced physiological modeling enhance clinical decision-making and safety

Discover how our solutions integrate technical and soft skills to build safer, more effective teams

Understand how our solutions make the world healthier, safer, and more productive

Describe how data analytics and audiovisual technology drive healthcare innovation and improve training

Explore how our tailored solutions address challenges and deliver sustainable improvements in nursing education



Challenges Transitioning Newly Trained Clinicians from Education into Practice



- The healthcare industry is currently at a crossroads. Organizations are adapting clinician workflows to new technologies, steering through changes in care delivery settings, mitigating complex risks like staff burnout and workplace violence, and navigating an uncertain economic and global political climate. Despite these challenges, ensuring patient and workforce safety across the healthcare continuum must remain a top priority for all in healthcare.
- **Thirty percent of nurses** with less than two years' experience reported that they do not feel well prepared to practice on their own. (ANF)



Healthcare Workforce Crisis



Shortage of trainers and training programs

Insufficient # of faculty, classroom space, and preceptors has resulted in nursing schools turning away tens of thousands of qualified applicants (AACN)



Experiential Knowledge Pool Draining

800,000 RN's are likely to leave nursing by 2027 (NCSBN) & a **shortage of up to 124,000 physicians** by 2034 (AAMC) – increasing workloads and overall lack of mentoring



Burnout

WPV combined with complexity of care issues are growing concerns. **42.5%** of new nurses are considering leaving the field of nursing



Building a Safety Culture Matters

Without sufficient preparation, support, and training throughout the transition into practice, new clinicians can experience loss of confidence, burnout, and reduced mindfulness around culture of safety.

The coalescence of these factors may lead to a failure to recognize and rescue patients from preventable harm, and/or contribute directly to patient harm events

Goal:

Improve the Know-do-Gap



According to the Agency for Healthcare Research and Quality's (AHRQ) 2022 Surveys on Patient Safety Culture hospital report, only 33% of clinicians who had worked less than one year in their work setting had voluntarily reported one or more safety events. (AHRQ) This is far below the reporting percentages of more tenured clinicians—50% for clinicians with 6 to 10 years' experience (AHRQ), this may reflect reduced mindfulness around culture of safety among new clinicians. This reporting discrepancy could also be a sign that new clinicians lack a sense of agency around safety event reporting.

Action Recommendations

Systems Safety Approach

- Use a **total systems safety approach** to design a strong safety and clinical operating system that recognizes and mitigates the risks associated with inexperienced clinicians.
- **Create collaborative partnerships among academic and healthcare institutions** to support increased opportunities for both live hands-on learning and simulation-based learning for interprofessional skill development and practice.

Learning Systems

- Supplement live hands-on learning with simulation-based education—commonplace in high-risk industries—in order to understand complex issues such as identifying sepsis; **recognize how bias can lead to diagnostic errors**; and hone professional and personal skills such as leadership, communication, decision making, situational awareness, managing stress, and coping with fatigue.

Patient Safety Training

- **Include patient safety training as a core element of education** for all new health professionals at both academic- and healthcare-organization levels. Combine this with regular safety-competency assessments and action plans to advance safety skills and behaviors.
- Teamwork, Communication, **Equity**, & Social Determinants of Health
- **Readiness, Recognition, Response, Reporting, and Respect**



The Elevate Healthcare Advantage

- **Advanced Simulation Technology (Maestro, physiological modeling, VR, and AR/XR)**
- **Outcomes-driven education backed by National and Global data**
- **Expert-led solutions & ACHIEVE Program**
- **Partnerships that foster innovation**
- **Foster teamwork, communication, diversity, and respect**



Innovative Technology for Healthcare Advancement

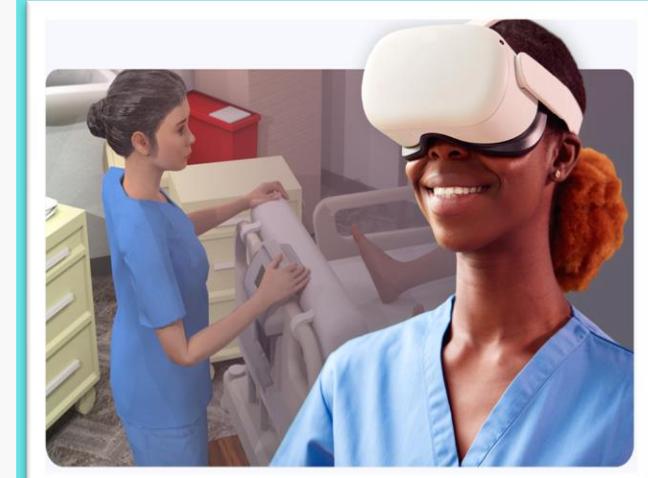
Voice of Customer:

“LearningSpace has transformed how we manage our simulation center. The ability to streamline operations and focus more on the educational aspect has significantly enhanced the quality of our program.”

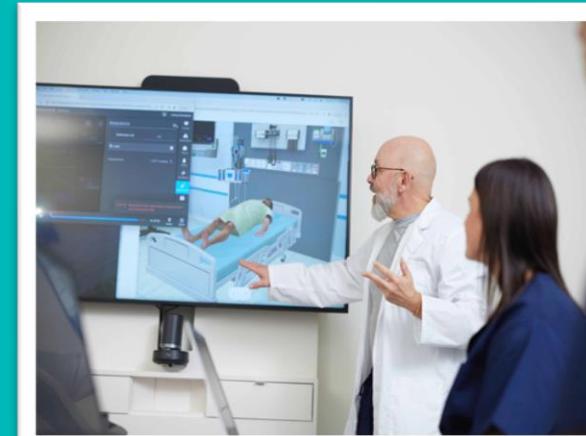
Learning Space



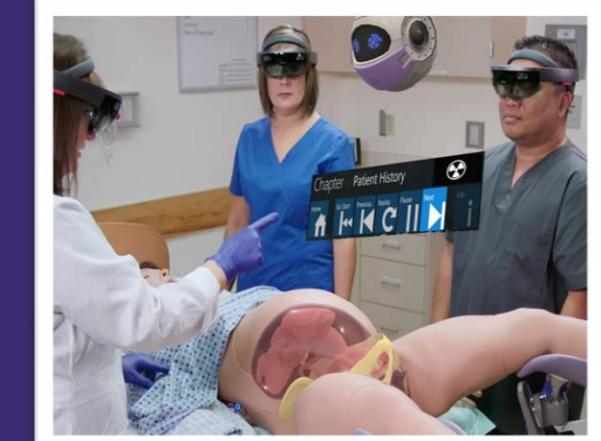
VR for Nursing Education



Digital Hubs



AR/XR Solutions



Our Advantage is Your Advantage

Simulation is one of the most effective and risk-free ways to prepare learners to care for patients, handle critical situations and reduce errors.

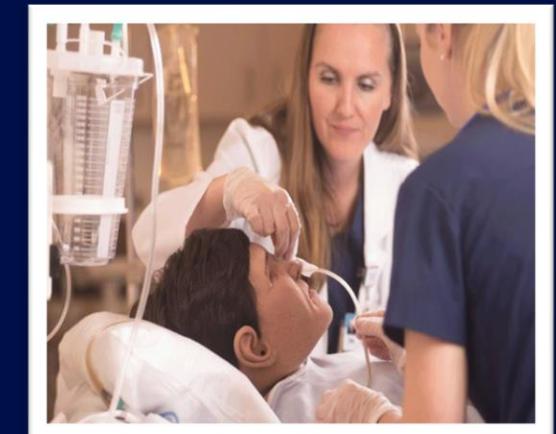
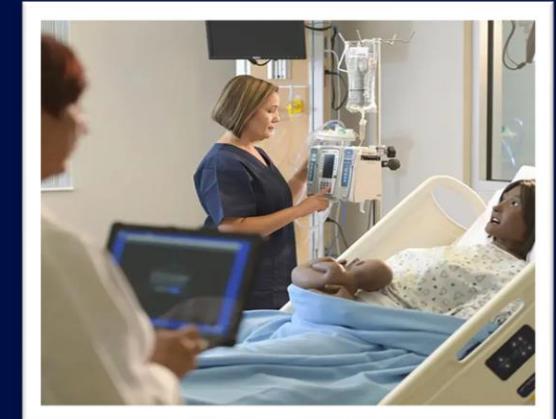


Leveraging our company's experience, we support a holistic learner journey through key initiatives, also known as **The Elevate Healthcare Advantage**:

- **Optimized Physiological Modeling:** We know how humans work, whether it's how their bodies respond to treatment or their brains react to learning. Using data and medical modeling, we deliver best-in-class, physiologically optimized clinical education solutions.
- **Digitally Connected Platforms:** Our physiological model—and its benefits—extends from the physical world to the digital one, where we offer interconnected platforms for multiple learning modalities.
- **Data-Informed Analysis:** Data drives everything we do. We adapt and update our models using artificial intelligence and big data to improve outcomes.

Results-Driven, Outcomes-Oriented

- ✓ **Clinical Competency:** nursing students who engage in simulation-based education demonstrate up to **40% improvement** in clinical competency
- ✓ **Skill Retention:** Nursing students who participate in simulation retain clinical skills **30% longer** compared to traditional methods
- ✓ **Confidence and Readiness:** Nursing students have reported a **25-40% increase** in readiness to handle real-life clinical situations after SBE
- ✓ **Critical Thinking and Decision Making:** Simulation can enhance critical thinking by up to **50%**



Simulation Product Training



- ✓ Our product training is a comprehensive, head-to-toe training designed to develop specific skills and competencies.
- ✓ This ensures efficient task performance and competence in critical situations.
- ✓ **Maximize Utilization:** Ensure full use of simulation tools and solutions
- ✓ **Improve Outcomes & Reduce Errors:** Drive clinical skills and minimize mistakes
- ✓ **Efficiency Gains:** Faster, more effective use of products.
- ✓ **Lower Costs:** Reduce support needs and extend product life.



Introducing Outcomes Based Education



- ✓ Outcomes-based education in simulation drives informed decision-making and critical thinking.
- ✓ Combining lectures, discussions, case studies, and simulations, we provide a broader understanding and practical application of knowledge. Learner-centered.
- ✓ **Drives Impact:** Courses directly improve clinical practice and patient safety. Accelerates learning.
- ✓ **Meets Industry Demands:** Aligns with healthcare priorities: patient safety and quality improvement
- ✓ **Enhances Team Performance:** Strengthens collaboration and communication, leading to better care delivery
- ✓ **Reduces Errors:** Safe environment for practice, minimizing mistakes in real-life scenarios



EDUCATION OUTCOMES PROGRAMS

SIMULATION

The Art of Debriefing:
Techniques for Healthcare Educators
One Day

Facilitation Essentials:
Creating Impactful Learning Experiences
One Day

Simulate to Elevate:
Design, Lead, Debrief, Evaluate
One Day

OSCE Fundamentals of Simulation:
Enhancing Clinical Competency & Assessment
One Day

IN-SITU
One Day

Fundamentals of Healthcare Simulation:
A Comprehensive Introduction
One Day

For more information contact:
achieve@elevatehealth.net



EDUCATION OUTCOMES PROGRAMS



SAFETY

Safe & Sound – Building a Culture of Safety
One Day

Mastering Teamwork & Communication in
Healthcare: Synergizing Success
Two Days

Fostering Inclusion, Belonging, and Respect in
Healthcare Simulation
One Day

OBSTETRICS

Basic Labor Management:
Simulation-Enhanced Education
Two Days

OB Emergencies:
Ensuring Safety Through Practice
Two Days





Stacie Wood,
Chief Nursing Officer

Elevate to “ACHIEVE”

- **Introducing the “Achieve” Program**
- **All-encompassing, customized healthcare simulation solution, meticulously crafted to help you meet and exceed customer-specific goals.**
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- **The “Achieve” Program stands as a testament to our commitment to excellence in healthcare education, patient safety, and team collaboration to improve patient safety.**



Kristen Wilt,
Outcome Consultant





Achieve Methodology



Purpose

- **Problem identification and quantification**
- **Turn knowledge into action**
- **Allows you to create a culture that consistently and sustainably lowers risks and reduces preventable harm**

Actions

- **Roadmap for patient safety**
- **Needs Analysis**
- **Observation of practice and trends**
- **Proven methodologies and high-reliability**
- **Improve confidence and competence**

Outcomes

- **Evidenced based team training and education**
- **Consistency in practice**
- **Patient safety gains**
- **Sustain achievements and grow engagement**



Achieve Customizable & Rental Programs

Tailored Consulting

- ✓ Training Needs Analysis & Curriculum Design
- ✓ Clinical Outcome Gap Analysis
- ✓ Simulation Program & Center Development

Specialty Simulations

- ✓ Based on our initial consultation, we'll provide a selection of bespoke simulations to meet your needs.
- ✓ Engaging in high-stakes scenarios, to improve teamwork, communication, and patient safety
- ✓ Obstetrics
 - ✓ Shoulder Dystocia
 - ✓ Preeclampsia / Eclampsia
- ✓ Specialty
 - ✓ Sepsis, Adult
 - ✓ DKA – Adult or Pediatric
 - ✓ Code-Blue / Resuscitation Drills: Adult, Pediatric, or infant

Seminars / Workshops

- ✓ Outcomes-Based Programming
- ✓ At our Sarasota Headquarters
- ✓ At Customer Site

Rental Programs

- ✓ Rent SRQ space with Simulators (education support and equipment)
- ✓ Technical Training on Simulators
- ✓ Rent simulators to customer site



Leveraging Data for Healthcare Innovation

- ✓ 30% reduction in clinical errors at organizations utilizing simulation
- ✓ 50% Reduction in postpartum hemorrhages in major health systems across Labor and Delivery and Maternal Child Nursing Units using Elevate Roadmap for Safety.
- ✓ Increase in recognition to treatment for hypertension in a large health system from 32% to 92%.
- ✓ Decreased SIR 88% year over year/sustainment strategy (post-op infections)
- ✓ CPR high-reliability training in simulation: achievement of 56% chance of survival, neurologically intact, from sudden cardiac arrest – compared to an 8% chance of survival nationally.
- ✓ Simulation Up, Malpractice Claims Down: 49% reduction across 292 OB/GYNs. Down by 37% across 13 major hospitals.



Why Choose Elevate

Pioneering Leadership, Experts, Innovative, Trusted partner



Pioneering Leadership

We are redefining what's possible in nursing education and patient safety through innovation, training, and tailored solutions with a respectful and equitable lens.



Experts

We are here to be more than a vendor. We are your advocate and your partner in creating safer, more equitable healthcare systems. Delivering measurable outcomes and advancing safety.



Innovative

Innovation is at the core of what we do. We will offer immersive data rich solutions.



Trusted Partner

Your trusted partner in nursing education offering solutions to empower and prepare faculty, support students and build a safer future through collaboration and excellence.



Imagine a world where safe care is delivered every time someone seeks medical care



THE PROMISE OF
SOMETHING THAT
WILL LONG OUTLAST
US.



Solutions Overview

PatientSimulators, Audio-
Visual, Task Trainers, Immersive
Learning

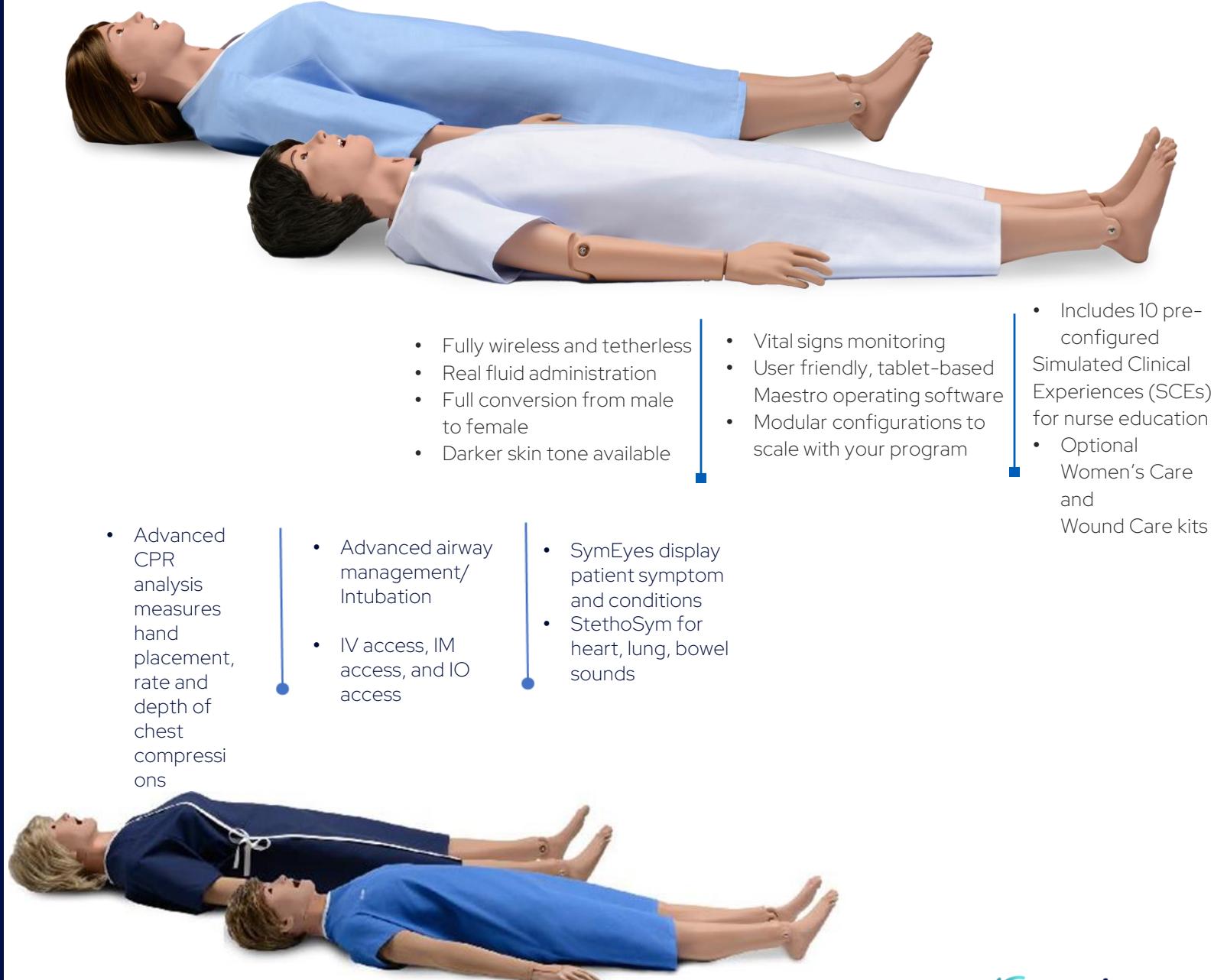


Product Overview

Mid-Fidelity

Ares:
Emergency
Care Manikin

Juno:
Better preparation for
clinical competencies



Product Overview

Hi-Fidelity

Apollo:
Setting a new
standard for realism in
patient simulation



Lucina
offers
unrivaled
realism and
versatility
for
childbirth
and female
patient
scenarios



- Advanced birthing mechanism is reliable, stable and the quietest in the industry
- The only simulator that supports full maternal code as a gravid or non-gravid patient
- Advanced CPR performance analysis measures hand placement and depth of chest compressions, chest recoil, ventilation volume, cardiac output and more
- Ventilation efficacy reflected in the alveolar and arterial gas concentrations
- Mechanical ventilation compatible with CMV and SIV modes
- SymEyes display patient symptom and conditions
- StethoSym for Bilateral and unilateral lung excursion
- Choice of two models –
- Prehospital with advanced airway management and IO access
- Nursing with central line infusion and airway and gastric fluids
- Two standard patients and four validated Simulated Clinical Experiences (SCEs) included
- Darker skin tone available



When the team invented the Human Patient Simulator, they weren't just building a client base, they were creating an industry – and they were revolutionizing medical education.

"The power of the simulator was automatic, and we understood its potential, and frankly, we were surprised it was so groundbreaking in medicine"



HPS has groundbreaking potential in training physicians and health care workers who, for thousands of years, relied heavily on practicing on people.

- Practice respiratory and critical care training with the Human Patient Simulator (HPS). Known for its realism, Elevate Healthcare HPS responds to real anesthetic gases, oxygen therapy, and medications

- True oxygen and CO₂ gas exchange
- Enhanced drug recognition
- Anesthesia and scavenging

- Advanced airway management/Intubation
- Diagnostic peritoneal lavage
- Pericardiocentesis
- IV access, IM access

Pediatrics

Luna:
Neonatal patient
simulator for life-saving
critical care

Aria:
Realistic physiology for
practice of pediatric
care—because children
are not just small adults



- Aria wireless and tetherless pediatric simulator* Vascular Access - Unilateral anterolateral thigh IM and SQ injection sites
- • Humeral IO (no fl uids) and Tibial IO (with fl uids)• Antecubital venipuncture site with flashback • Reported jugular catheter and dorsum of left hand
- Emergency airway procedures include needle cricothyrotomy, transjet ventilation, chest tube placement, needle decompression
- Supports Ventilation measurement
- Chest tube placement
- Unilateral mid-clavicular needle decompression
- Automatic detection, resolution and logging of mid-clavicular needle decompression, cardioversion and pacing using

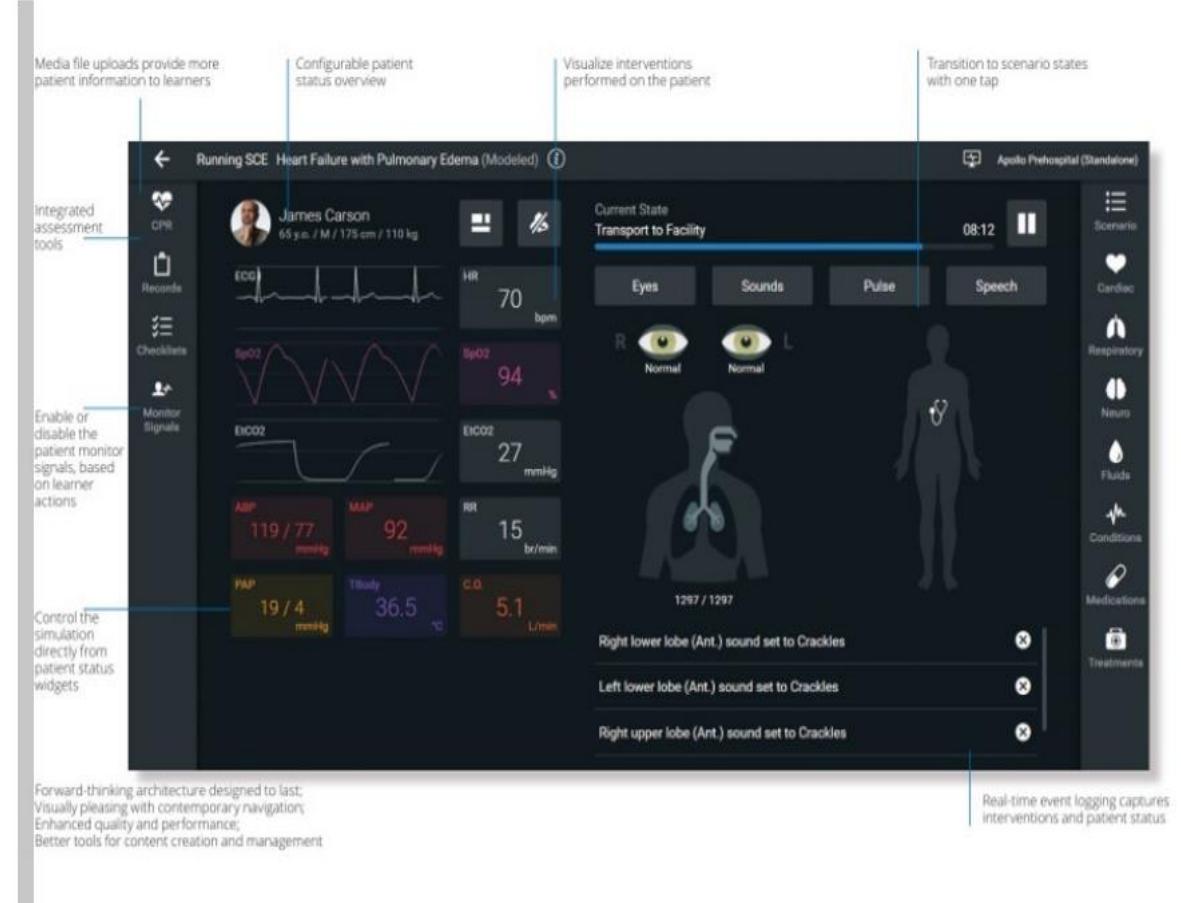
- Realistic modeling of infant cardiovascular, respiratory physiology
- Adjustable fontanel capability
- Subclavian catheter and radial arterial catheter placement
- Reliable gender conversion
- Advanced features allow for intubation, laryngospasms, tracheostomy care, needle decompression, chest tube insertion, IO access, cyanosis and asynchronized arm movements



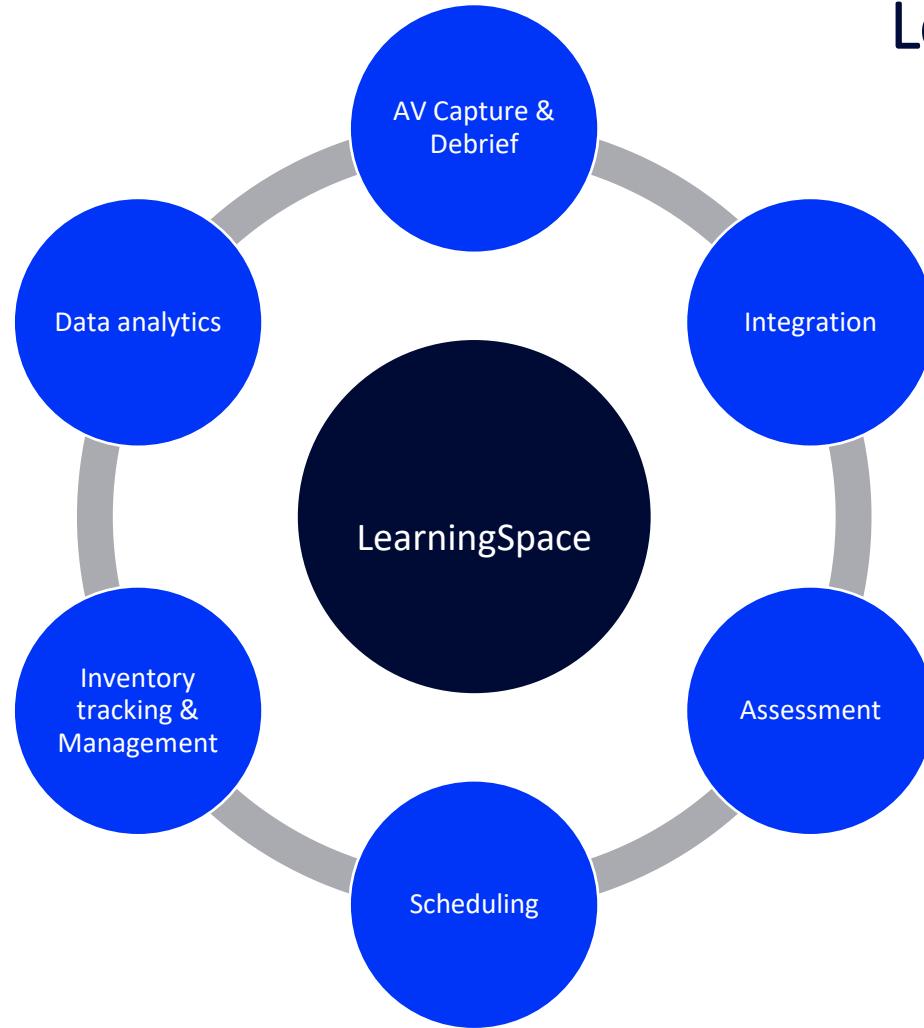
Maestro includes Elevate Healthcare's physiological models that adapt to interventions based on the patient's age, weight, underlying health conditions and the accuracy of diagnosis and treatment. For example, a patient's blood pressure might be low due to hypovolemia or vasodilation.

In both cases, fluid infusion or the administration of a vasoconstrictor drug will raise blood pressure, but the effect on cardiac output, pulmonary gas exchange and tissue oxygenation will be markedly different. Our patient simulators respond automatically and accurately based on validated physiology.

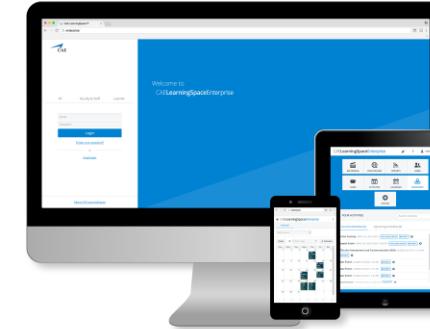
Available with a stand-alone license for use in your classroom.



The basis of your Healthcare Simulation Ecosystem:



LearningSpace



Across hospital & academic disciplines



Immersive learning

Prepare learners for real-life patient encounters and further education through immersive and engaging VR simulations built according to current best practices for simulation. SimX scenarios are developed with a deep understanding of the rigorous standards for nursing practice and licensure.

- Evidence-Based
- Peer Reviewed
- International Nursing Association of Clinical Simulation and Learning (INASCL) Standards
- National Council Licensure Examination (NCLEX) Test Plans
- National Council of State Boards of Nursing (NCSBN)
- Clinical Judgement Measurement Model (CJMM)

VR Solution

Durable and lifelike, the expansive Medicor portfolio of clinical skills trainers and simulation enhancements strengthen the capabilities of healthcare professionals. These products provide a top-tier experience for learning patient safety techniques and increasing the quality of care.

Injections
Peripheral IV
Urinary
Catheterization
Infant CPR
Lactation Training
Wound Care
Sim Enhancements
Throat Swabs
& more



GigXR



We offer a holistic approach to simulation, delivering hyper-realistic clinical scenarios and AI-powered standardized patients. The mixed reality platform and applications, which blend physical and digital elements to enable ultra-realistic and collaborative 3D learning environments built for hybrid and remote classes. This is a platform designed to foster a critical ecosystem of institutions, content providers, and device manufacturers who are at the forefront of mixed reality teaching and training.

GigXR Immersive Learning Platform offers an ecosystem for Holographic training in Healthcare:



HOLOPATIENT, HOLOHUMAN, HOOSCENARIOS



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