



Laerdal

helping save lives

Developing Clinical Competence Through Simulation



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Build, Demonstrate, and Assess Competence at Every Stage

Competency-Based Education (CBE) focuses on building essential knowledge, skills, attitudes, and behaviors by using different means and settings. Simulation-based learning challenges learners to go beyond knowledge acquisition, allowing them to demonstrate clinical judgment and critical thinking in action. Simulators, task trainers, and digital solutions are essential for providing experiences that enable individuals to “put it all together.”

From novice to practice-ready

Competency-Based Education builds a pathway to practice readiness by aligning curriculum and coursework to professional expectations and needs. Some of the elements of CBE include:

- Learner-Centered Approach: Focuses on individual student needs, pace, and learning styles.
- Clearly Defined Competencies: Outcomes are explicitly aligned with real-world professional expectations.
- Ongoing Formative Assessment: Frequent, low-stakes evaluations guide learning and provide actionable feedback.
- Data-Driven Decision Making: Instruction and progression are informed by measurable performance data.

Why is simulation effective for building competence?

Simulation serves as both a teaching modality and an assessment strategy, enabling students to develop and demonstrate competencies. By observing student performance in simulated scenarios, educators can accurately identify strengths and areas for improvement.

Simulation can help:



Overcome Resource Constraints:

Providing sufficient opportunities for practice can require time and resources, which are often scarce among educators.



Offer Diverse Learning Experiences:

Educators need to provide frequent and varied learning experiences to allow learners to practice patient care and build competence.



Provide Effective Evaluation Methods:

Evaluations can track learner progress over time, providing valuable insights into strengths and areas for improvement.



“

I think the one thing we need to remember is the reason we're doing it – and that's to improve patient care, patient safety, and make sure that...graduates, when they go into clinical practice, are ready to practice.

—
Marie Gilbert, DNP, RN, CHSE-A, FSSH
Director for Central California Center for Excellence in Nursing
California State University, Fresno

Support Competency Development

Incorporating simulation throughout the curriculum allows learners to better assess their skills and progress toward competency milestones, fostering autonomy in their nursing development and education. Explore just some of Laerdal's solutions below.



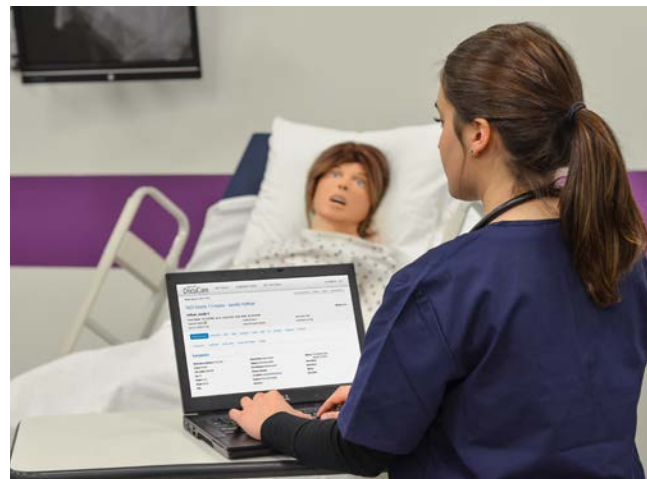
Fundamental Skills

How do you ensure learners have the foundational skills they need?



Modular Skills Trainer and other Laerdal task trainers provide realistic, hands-on practice for nursing students, allowing them to develop and refine their clinical skills in a safe environment. This experiential learning aligns with the Competency-Based Education (CBE) approach by enabling students to demonstrate mastery of essential nursing skills before progressing in their education.

Lippincott DocuCare: Help all levels of nursing students build clinical reasoning skills in a simulated EHR environment, with over 200 assignable, true-to-life patient scenarios guaranteed to prepare students for the clinical demands of practice.



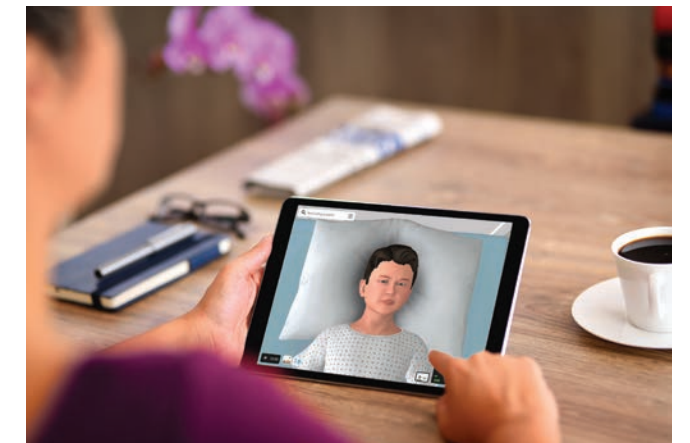
Procedural Skills and Basic Decision Making

What opportunities do learners have to practice decision-making skills before high-fidelity or team simulations?



Resuscitation Quality Improvement® (RQI®): The program provides a high-reliability platform for simulation-based mastery learning, implemented through low-dose, high-frequency quality improvement sessions. This adaptive learning platform allows students to demonstrate and verify their competency in resuscitation techniques, ensuring they retain essential skills needed for effective patient care.

NextGen vSim® for Nursing: Co-developed by Wolters Kluwer and the National League for Nursing (NLN), NextGen vSim® for Nursing equips students with clinical experience through interactive virtual simulation—honing their clinical judgment, competence, and confidence for the Next Generation NCLEX® and throughout their careers.



Laerdal's Nursing Manikin range, including Nursing Anne, Kelly, Kid, and Baby, offers realistic simulation scenarios that allow nursing students to practice and assess their clinical skills across various age groups and conditions. This hands-on experience fosters competency development, enabling students to meet specific learning outcomes effectively.



Acute Situational Skills and Critical Thinking

How are you providing learning experiences where students can demonstrate advanced decision-making or team-based competencies?



vrClinicals for Nursing: A unique VR solution that helps students build measurable competence in clinical judgment. It allows them to practice effective time management, prioritization of patients, delegation, and communication with patients while caring for multiple patients in a busy hospital setting with interruptions and evolving patient conditions. Aligned with the Clinical Judgment Measurement Model, vrClinicals has been developed as a collaboration between Laerdal, Wolters Kluwer Health, and the National League for Nursing.

Laerdal Adult Bariatric Suit: Training with the Laerdal Adult Bariatric Suit focuses on specialized techniques for lifting, transferring, and caring for obese patients. By simulating real-life challenges, students can develop the necessary skills and understanding to effectively address the unique needs of this patient population.



Nursing Anne Simulator helps build the confidence and clinical readiness needed to face the challenges of real-world practice. Its modular design makes it easy to simulate a variety of patients and clinical complexities. From rapid changes in patient status to high-pressure decision-making, this solution delivers realistic, hands-on training experiences that challenge learners to assess, prioritize, and respond effectively.



Complex Decision Making

How are you integrating or supplementing real clinical practice with simulation to enable learners to demonstrate complex decision-making?



MamaAnne® is designed to deliver the highest level of obstetric training. Empower your learners to confidently and effectively handle critical, obstetric emergencies through high-fidelity simulation training. MamaAnne is ideal for in-situ and team training to address communication and interprofessional education.



SimMan® Critical Care provides advanced training in respiratory care, critical care, and anesthesia practice using onboard technology to deliver tetherless mechanical ventilation, enabling learners to progress through transitions of care from pre-hospital to ICU. This hands-on experience facilitates competency development across the continuum of care, preparing students for real-world challenges in the ICU and beyond.

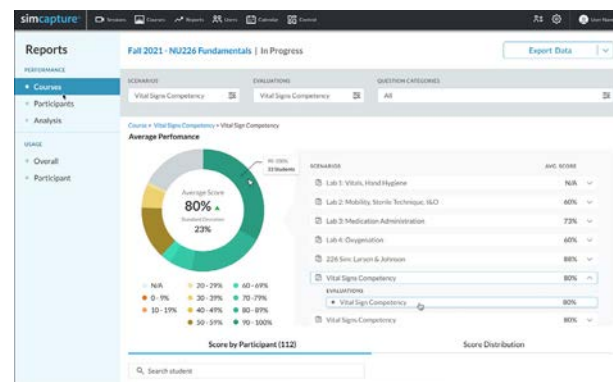
Assess, Evaluate, and Track Competence

By combining data from course outcomes, objectives, and both formative and summative assessments, you can effectively measure and evaluate overall competency.

Powered by AI for increased efficiency, SimCapture is the essential tool for advancing healthcare simulation.



SimCapture helps seamlessly manage, record, assess, and debrief simulation training. The platform allows students to demonstrate clinical judgment and skills, with performance data instantly uploaded for evaluation against defined standards. The system tracks learner progress at both individual and cohort levels, helping faculty identify those needing support and monitor improvement over time.



Leverage data-driven insights:

- Comprehensive Evaluation: capture performance data across simulations to provide a full picture of learner progress.
- Formative and Summative Feedback: deliver real-time and post-event insights to guide both immediate improvement and long-term development.
- Competency Assessment: Performance data links to defined competencies, enabling objective, data-driven evaluations.
- Self-Directed Learning: Learners can train individually or with a peer—and receive immediate, personalized feedback, allowing them to reflect, adjust, and take ownership of their learning journey.

Empowering Competency Through Data-Driven Simulation

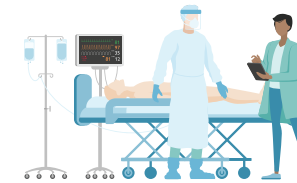
Simulations generate a wealth of data on learner performance. When well-organized, this data reveals insights that can enhance instructional strategies and improve outcomes.



Track individual student progression towards competence to assess how each student is progressing through specific competencies and support personalized learning paths.



Use data-driven indicators to recognize when a student is struggling with a particular skill or concept and provide timely support, preventing small gaps from becoming major setbacks.



Enhance teaching strategies by leveraging performance analytics to reveal patterns in learner outcomes, highlighting the most effective teaching methods and identifying those that may require adjustments.



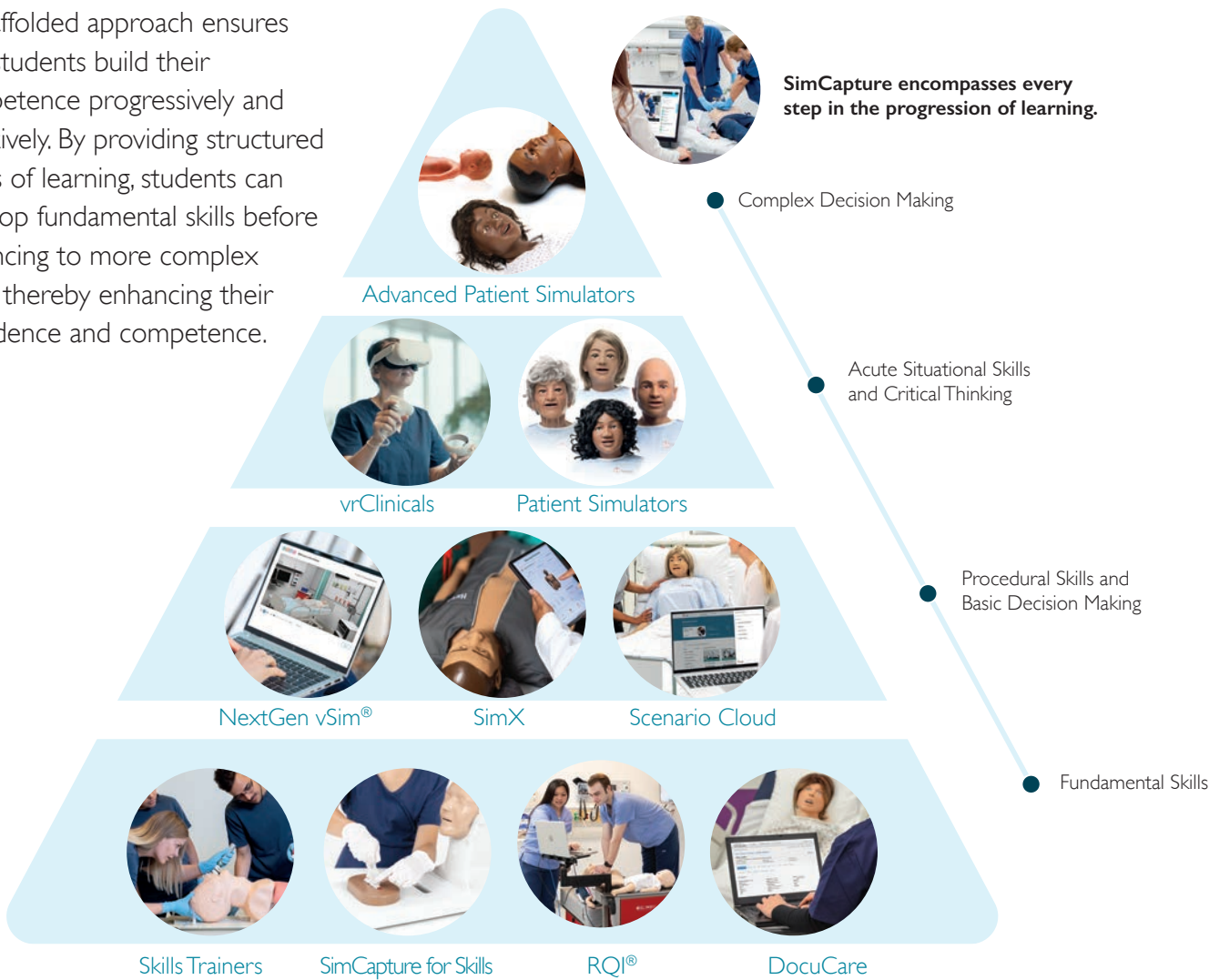
Assess faculty development needs through aggregated data to reflect on teaching practices and identify data-driven needs for faculty training or curriculum enhancement.

“Your data really does tell a story. But you have to be able to read what the data is telling you – and then do something with it.”

Rosemary Samia, MSN, RN, CNS, CHSE, Director, Center for Clinical Education & Research, University of Massachusetts Boston

Supporting the Progression of Learning

A scaffolded approach ensures that students build their competence progressively and effectively. By providing structured layers of learning, students can develop fundamental skills before advancing to more complex tasks, thereby enhancing their confidence and competence.



“This is about you now, and your individual learning pathway. How do we get you from the starting point to the finishing point? Not everyone's going to take the same pathway. I think that really allows us to do things within simulation (that we've already been doing) that fit really beautifully into CBE.”

Curtis Nickel, MD, Med, FRCPC
University of Ottawa/ The Ottawa Hospital

Services to Drive CBE Success



Managed Services

Simplify operations so faculty can focus on teaching and mentoring future clinicians. Laerdal's Accelerate program is an all-in-one, on-site simulation solution that includes simulators, operators, facilitators, curriculum, and skills assessment, eliminating the need to manage equipment, logistics, or administration. It's a sustainable, data-driven approach that lets you concentrate on training, evaluation, and outcomes without the hassle.

Educational Services

Empower your team with best practices in simulation training to maximize learning outcomes. Laerdal's Educational Services offer flexible, expert-led instruction delivered onsite, online, or on demand to help faculty and staff fully leverage simulation solutions. Designed for all experience levels, our programs are developed and facilitated by healthcare professionals who bring real-world insight to every session. Whether you're an instructor, administrator, operator, or technician, we support your team's ongoing development when and where you need it most.

Together, these services empower institutions to implement CBE with confidence, ensuring learners are prepared for real-world clinical practice through measurable, meaningful progress.

Featured Services

LearNEXT All-Access: A structured education membership that enhances simulation expertise across roles including technicians, coordinators, faculty, and directors. It supports institutions implementing or expanding Competency-Based Education (CBE) by strengthening simulation as a tool for learning and assessment.

- The program offers certificate-ready tracks that guide learners from foundational skills to advanced decision making.
- Training is delivered in both synchronous (live, instructor-led) and asynchronous (on-demand, self-paced) formats, allowing for flexible and personalized learning experiences.
- Annual Skills Review sessions and strategic education consultations reinforce key concepts and align training with institutional goals.

Support CBE-aligned programs and maximize learning outcomes for simulation teams with LearNEXT All-Access.

A woman and a man in blue scrubs are in a clinical setting. The woman is standing and looking at a laptop on a stand. The man is leaning over a medical simulator, which appears to be a patient lying on a gurney. In the background, there is a wall-mounted monitor displaying a software interface, and various medical equipment like a blood pressure cuff and stethoscope are visible.

Your Partner in Competency Development

At Laerdal, we are committed to providing you with simulation solutions and support to prepare your learners to face today's healthcare realities. No matter where you are on your journey, your Laerdal Representative can help you determine the right tools to enhance your program.

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