



Our new SimJunior is a high-fidelity school-age simulator that is the cornerstone of a complete pediatric solution. By combining realism, usability, and reliability, SimJunior helps build competency, strengthen readiness, and improve performance across pediatric care.

Discover how our new SimJunior advances pediatric simulation with enhanced features and capabilities, compared side by side with SimJunior Classic.

	NEW SimJunior	SimJunior Classic
Clinical realism	Enhanced facial features, lifelike skin, blinking eyes, and reactive pupils. Fully articulated body including arms, legs, head, and pelvis.	Realistic pediatric patient with interchangeable pupils (normal, dilated, and constricted).
Airway management	Advanced airway features including laryngospasm, pharyngeal swelling, trismus, right mainstem intubation, tongue edema, and teeth pressure sensors. New lung system supports introductory mechanical ventilation scenarios.	Oral and nasal intubation, ventilation, and basic airway management skills.
Work of breathing	Observable breathing patterns with visible supraclavicular and substernal retractions to support assessment of respiratory distress.	Observable chest rise.
Auscultation	Heart, lung, and bowel sounds at anterior, posterior, and lateral assessment sites using Stethoscope by Laerdal. Additional speakers provide flexibility for use with clinical stethoscopes.	Heart, lung, and bowel sounds delivered through internal speakers (anterior only).
Circulation	Enhanced bilateral IV, IO, and IM access with an improved fluid management system.	IV access in the right arm and hand, and IO access in the right tibia.
Procedural skills	Thoracentesis, needle thoracostomy, chest tube thoracostomy, urinary catheterization, NG tube placement, and central line care.	NG tube placement.
Pulses	Adjustable bilateral carotid, radial, femoral, and pedal pulses.	Bilateral carotid pulses and unilateral brachial and radial pulses (left side).
Defibrillation and cardiac care	Defibrillation, pacing, and cardioversion training with apex/sternum and anterior/posterior electrode placement options.	Defibrillation, pacing, and cardioversion training with apex/sternum stud placement.
Assessment highlights	Enhanced seizure presentation, bilateral fingerstick blood glucose testing, and liver distension.	Head seizures only.
QCPR	Redesigned QCPR with realistic CPR mechanics, progressive chest resistance and feedback.	CPR-compliant chest with no QCPR feedback.
Patient representation	Multiple skin tone options*, male and female representations, interchangeable wigs, and interchangeable genitalia for urinary catheterization training.	Single male representation (multiple skin tones) with no genitalia.
Technical and maintenance	Quick-detach limbs for streamlined setup and storage, plus a single fluid system that simplifies fluid setup and cleanup. Operated using LLEAP software only.	Operated using LLEAP software or the SimPad System using an external Link Box.

*Medium skin tone available at launch