



BAYADA Clinical Support Specialist Kim Lynn, BSN, RN, CRRN practices on a manikin that can mimic the diseases of a toddler

BAYADA Pediatrics Simulation Training Lab

What is clinical simulation-based training?

Through software, instructors generate realistic patient emergency scenarios on state-of-the-art manikins that present symptoms and prompt an assessment and intervention by a nurse. The software logs the nurse's actions and response times, and a web camera captures audio and video.

Why use simulation?

Repetitive practice in emergency scenarios presented in a safe, controlled environment builds the confidence and skills necessary to work one-on-one with a patient with complex needs. The software objectively measures actions, reactions, and response times that, combined with instructor-observed feedback, creates an ideal learning experience for nurses.

Why is this important for BAYADA home health care professionals?

Home health care professionals work one-on-one with patients in the home setting, so training and support are critical. BAYADA Pediatrics is leading the way in offering this training that is typically only available in a hospital setting. Nurses from a hospital setting can also learn how to work with pediatric clients in a home setting.

What are the features of the state-of-the-art pediatric manikins used in the lab?

The lab has two manikins, a 6-month-old and a 1-year-old, which allow observation of changes in respiration, circulation, and color. Features include:

Life-like anatomy

- Simulated breathing with variable breathing patterns, including retractions
- Bilateral carotid, brachial, and radial pulses that operate continuously
- Color and vital signs that respond to interventions and changes in oxygen levels
- Eyes that open and close with programmable blink rate, pupil size, and pupillary response to light

Realistic sounds

- Crying, coughing, and hiccup sounds
- Heart sounds that include normal heart rate and murmurs
- Respiratory sounds that include normal lung sounds as well as crackles and wheezing

Clinical functionality

- Seizures on command
- IV training arms to practice the insertion of tubes
- Shoulders and thighs with intramuscular injection sites
- Functional tracheostomy and ventilator simulation

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BAYADA Home Health Care specialty practices include Home Health Care, Pediatrics, and Hospice. BAYADA provides nursing, rehabilitative, therapeutic, hospice, and assistive care services to children, adults, and seniors in the comfort of their homes.

