



BAYADA Pediatric Simulation Lab

What is clinical simulation-based training?

Through software, instructors generate realistic patient emergency scenarios on state-of-the-art pediatric mannequins 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 clients in the home setting, so training and support are critical. BAYADA 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 mannequins used in the lab?

The lab has pediatric mannequins, 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, radial, and femoral 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

Contact us

To learn more about employment opportunities, call **800-305-3000**.

 www.bayada.com/pediatrics

BAYADA specialty practices include Home Health Care, Pediatrics, Hospice, and Habilitation.

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