Simulation Methods & Techniques

**Standardized Patients** - Highly trained individuals who accurately portray a specific role or condition.

**High Fidelity Mannequins** – Life-like simulators that demonstrate physical responses including respiratory distress, change in vital signs, and appropriate reaction to treatments and administered agents.

**Task Trainers** - Body-part models used for task specific skill development.

**Hybrid Simulations** - Combine a Standardized Patient with a partial task trainer or full patient mannequin for unique simulated encounters.

Training Programs

- More than 100 residents and nurses have been trained in the proper method of central line insertion following Fletcher Allen Health Care policy. This program has been shown to reduce the risk of complications, reducing health care costs.

- General surgery residents are practicing vascular surgical procedures on task trainers.

- The Initiative for Rural Emergency Medical Services program is using task trainers and simulators weekly to train paramedics.

- Undergraduate nurse use simulation to prepare for common med-surg and obstetrical patient scenarios. Junior nursing students are introduced to complex emergency room scenarios.

- PACU nurses have had advanced simulator training in airway management.

- Speech therapists utilize standardized patients to deal with acute and chronic care and therapy of stroke patients.

- High fidelity manikins and simulated OR staff are being used to train anesthesiology residents, OR nurses and OR technicians to work together as a team to effectively manage low incidence high mortality emergencies secondary to anesthesia.

- Standardized patients are being used to help train novice nurses to communicate effectively with health care team when patients are in crisis.

- Standardized mom in a highly activated emotional state and new born baby manikin in distress are being used to train pediatric residents in neonatal resuscitation and...