

Simulation Training Today Saves Lives Tomorrow

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The 88 MDG simulation center is one of five sites under the Air Force Modeling and Simulation Program. The center has six training rooms, and state-of-the-art equipment including high-fidelity mannequins, virtual reality and task trainers to focus on technical proficiency and complex medical team training.

The simulation center has key linkages with Sustainment of Trauma and Resuscitation Skills Program (STARS-P), Center for Sustainment of Trauma and Readiness Skills Program (C-STARS), the Dayton Area Graduate Medical Education Consortium, and the medical centers in the surrounding greater Dayton area.

The center is partnering with several local simulation centers to offer a wider variety of training opportunities through collaborative efforts.

Rose Durning, the simulation center coordinator, is a founding member of the Human Patient Simulation Group of West Central Ohio chartered to improve communication and cooperation among the local simulation labs and universities. She is currently working with the Nursing Institute of West Central Ohio to develop education curriculum for the new "Smart House", a living laboratory to educate veterans and others with disabilities for quality of life home adaptations and to train home health care nursing.

The 88 MDG is working with the Dayton Veterans Administration Medical Center to foster a joint, virtual simulation center to provide more realistic training and psychological preparedness for emergency response. The Simulation Center is currently involved in several other initiatives. The staff is participating in a multi-site project funded by the TRICARE Management Activity and the Agency for Healthcare Research and Quality.



Nursing Transition Program participants from the 88th Medical Group participate in the insertion of a Naso-Gastric tube.

Their goal is to improve patient safety by simulating obstetric emergencies and combining with Strategies and Tools to Enhance Performance and Patient Safety (TeamSTEPPS) concepts. The simulation center has conducted four training sessions for 67 medical group personnel this year using the Noelle maternity mannequin. Because of the high-fidelity pediatric mannequin the 88 MDG is the main pediatric simulation site for medical students going through Dayton Area Graduate Medical Education Consortium. The simulation center has conducted eight medical simulation sessions to train 150 personnel on emergency pediatric management. Additionally, the simulation lab is collaborating with the U.S. Army Burn Center at Fort Sam Houston to observe proper burn care protocols live via remote presence robot. The staff at the 88 MDG follows-up on telecasts with a hands-on scenario to practice burn care techniques on a high-fidelity human simulator. Since the training began in May 2009, the simulation center has conducted six sessions via remote robot with the burn center educating 115 medical personnel. The purpose of the 88 MDG simulation center is to train the world's finest medics for the worst possible scenarios in order to safely care for our patients here and deployed. Simulation training today saves lives tomorrow.