



Background

The Assistant Secretary of Defense for Health Affairs created the Medical Simulation and Training Program Management Office to serve as the materiel developer and total lifecycle systems manager for medical simulation and training products across the Military Health System. MST PMO's acquisition professionals provide advanced development, systems engineering, integration, procurement, testing, fielding, and sustainment of medical training capabilities using the Department of Defense's acquisition system.

MISSION

Improve Healthcare and Build Readiness through Simulation, Training, and Education

VISION

The Military Health System's recognized center of excellence for acquisition and management of medical simulation, training, and education solutions

Partnerships and Collaborations

- Army Futures Command - Simulation & Training Technology Center
- Defense Acquisition University
- DHA J-7, Defense Medical Modeling and Simulation Office
 - Air Force Medical Modeling and Simulation Training
 - Navy Medical Modeling and Simulation Training
 - U.S. Army Central Simulation Committee
- Joint Program Committee-6/ Combat Casualty Care Research Program
- Joint Trauma System
- National Center for Simulation (Team Orlando)
- NATO Allied Centre for Medical Education
- Naval Air Warfare Center Training Systems Division
- Uniformed Services University of Health Sciences
- U.S. Army Medical Center of Excellence Directorate of Simulation
- U.S. Army Program Executive Office Simulation, Training, and Instrumentation
- U.S. Special Operations Command
- Veterans Health Administration



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MST PMO in Action

Medical Simulation and Training

Program Management Office



Current Capabilities

- **SOCOM Purposed Emergency Access Response Point of Injury and Trauma Simulation (SPEARPOINTS):** A prototype to provide prolonged field care and collective training to SOCOM medics
- **Virtual Education Center (VEC):** Requirement aimed at improving patient experience through easily accessible, validated educational resources that reinforce provider information
- **Joint Trauma and Education Training Delivery Platform:** Delivers standardized medical readiness training across the MHS using Deployed Medicine, a multi-service application
- **DHA Texting Solution (DHATS):** A Communications as a Service (CaaS) platform that offers secure text messaging (Short Message Service) and delivery services for tenant applications across the MHS
- **Complicated Obstetrical Emergency Simulation System (COES2):** Simulation system that combines standardized training methodology with hands-on team interactions to improve patient outcomes



Key Benefits & Services

- Ready, reliable, and modernized healthcare simulation and training resulting in improved patient outcomes
- Improved ability to conduct emergency medical interventions in environmentally hazardous situations or austere locations
- Cost-effective, constructive, and innovative solutions to meet MHS requirements
- Enhanced clinical education that uses evidence-based training techniques to meet specific learning objectives
- Enables providers to build skillsets and confidence while rehearsing high-risk medical interventions in a controlled environment



Emerging Capabilities

- **Well-being Initiative:** Delivery of biometric-based programs that include monitoring, coaching, and training aimed to enhance the individual and professional well-being of MHS medical staff
- **Military Medical Treatment Facilities' Simulation Centers:** Enterprise strategies under development addressing common simulation requirements and training gaps
- **Advanced Joint Operational Medical Simulation (AJOMS) system:** Identifies gaps and requirements for future joint medical simulation centers
- **Resuscitation Quality Improvement (RQI) Life Support Training:** Supports cloud networking and transition of life support training from American Heart Association to Red Cross