NHRC
EXPEDITIONARY MEDICAL ENCOUNTER DATABASE (EMED)

Background
- EMED was developed at NHRC to provide gold-standard clinical and tactical data necessary to support NHRC’s Medical Modeling and Simulation tools. The tools supported by EMED improve medical mission readiness by providing researchers and medical planners with accurate tactical, injury, and clinical treatment data for casualties.

Value
- High-quality data source for studies on injury, injury prevention, personal protective equipment evaluation, clinical practice guidelines, and development of policy and doctrine.
- Robust source for clinical data that identifies areas within the medical chain of evacuation most likely to benefit from technology development and expenditure of training resources.
- Comprehensive data repository to develop tools that accurately project and determine theater medical requirements and enable military medical research in support of operational readiness.

Goals
- To inform decisions that shape the medical capabilities of the Department of Defense (DoD).

Methods
- Integrates EMED with other DoD data sets, including tactical data sets, Military Health System (MHS), and deployment and personnel-related data sets.
- Incorporates clinical practice guidelines (CPG), patient encounter and clinical workload forecasts, and medical materiel data to clinical workload forecasts and CPGs.

Key Facts
- Enables collaboration by integrating clinical and logistics data that permits identification of capabilities, operational requirements, patient stream estimates, and material item estimates.
- Allows studies and analyses across entire spectrum of tri-service, deployment-related injury and illness.
- Has enabled studies of amputation, traumatic brain injury, psychological health, post-traumatic stress disorders, personal protective equipment, rehabilitation, and quality of life outcomes.