



MEDICAL INFORMATICS

The Naval Health Research Center (NHRC) collects, analyzes, and interprets health and medical data. Our capabilities include medical planning, casualty estimation, and data management; casualty care and operational risk assessment; and medical intelligence for expeditionary medical planning and logistics.

PROPRIETARY DATABASES

Expeditionary Medical Encounter Database (EMED)

The Department of Defense's (DoD's) most comprehensive data repository that provides high-quality clinical data across the spectrum of care.

DoD Birth and Infant Health Registry (BIHR)

A global surveillance registry designed to increase understanding of the reproductive health effects of military service.

STUDIES WITH DATA COLLECTION

Recruit Assessment Program (RAP)

A longitudinal study designed to examine associations between pre- and in-service experiences on subsequent health outcomes related to military service.

The Millennium Cohort Study

The largest longitudinal study in military history, which examines the long-term health of service men and women.

Wounded Warrior Recovery Project (WWRP)

A longitudinal study created to examine the long-term outcomes of service-related injuries and their effect on quality of life.

DATA EXTRACTION AND ANALYSES

Career History Archival Medical and Personnel System (CHAMPS)

A medical and personnel database computer system with accession through separation data residing at the Naval Postgraduate School.

DATA COLLECTION AND ANALYSES

Infectious Diseases Surveillance

A robust detection and surveillance program that provides a comprehensive cache and samples related to infectious diseases including febrile respiratory illness (FRI) and acute gastroenteritis.

Medical Planners' Toolkit (MPTK)

A software application that uses empirical data to predict the likelihood of operational injuries and illnesses, create casualty estimates and associated patient streams, and estimate requirements relative to theater hospitalization to service those patient streams, and provides estimates for the medical supplies needed for treatment. (Accredited for DoD use)

Joint Medical Planning Tool (JMPT)

A computer-based course of action assessment tool that models patient flow from the point of injury through definitive medical care. (Accredited for DoD use)

Joint Trauma Analysis and Prevention of Injury in Combat (JTAPIC)

A virtual partnership supported with data from EMED and comprehensive epidemiology, analysis, and medical modeling to review injury-causing events in the combat theater with the goal of preventing future injuries.