



VISION

To substantially reduce the impact of infectious diseases in the military population through collaborative clinical research.

MISSION

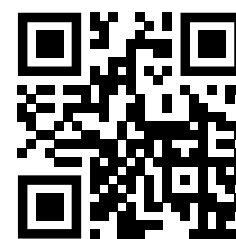
To conduct multicenter infectious diseases clinical research, focusing on high-impact cohort and interventional trials, and to inform and improve care of the Warfighter.

Strategic Aims

- Aim 1:** Plan, execute, and disseminate clinical infectious diseases research of relevance and impact for the US military
- Aim 2:** Establish, maintain, and augment collaborative relationships with partner Department of Defense (DoD) and Interagency organizations
- Aim 3:** Align and support infectious diseases clinical investigator education and training among military officers ("Building the Bench")
- Aim 4:** Develop and sustain a robust military clinical research network, with capability to execute US Food and Drug Administration-regulated clinical trials

THE INFECTIOUS DISEASE CLINICAL RESEARCH PROGRAM

is a Department of Defense (DoD) Research Center based at the Uniformed Services University of the Health Sciences (USU) and operates in collaboration with the National Institute of Allergy and Infectious Diseases (NIAID). The IDCRP has six research areas (detailed inside) to address clinical questions of military-relevant infectious disease threats. IDCRP research provides a bridge between DoD health surveillance and command-directed product development efforts from research and development organizations. Success requires broad collaborations among healthcare facilities within the Military Health System, NIAID investigators, as well as affiliations with partners from other US government agencies, academia, and industry. The IDCRP is executed as a research center through USU via a cooperative agreement with the Henry M. Jackson Foundation for the Advancement of Military Medicine, Inc. (HJF).



INFECTIOUS DISEASE CLINICAL RESEARCH PROGRAM

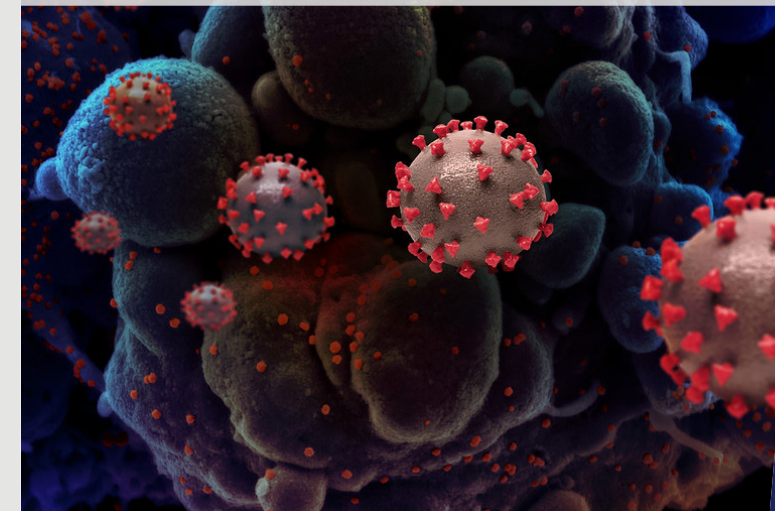
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idcrp.usuhs.edu
www.idcrp.org



IDCRP

INFECTIOUS DISEASE CLINICAL RESEARCH PROGRAM





IDCRP RESEARCH AREAS:

ACUTE RESPIRATORY INFECTIONS (ARI)

Focus on high priority respiratory pathogens (SARS-CoV-2, influenza, adenovirus, and other emergent respiratory infection threats) affecting U.S. military members:

- Improve detection in congregate settings and in forward-operating environments
- Characterize the epidemiology and acute-to-chronic clinical outcomes
- Predict the risk of acute and chronic severe outcomes and complications (including readiness loss) using demographic, clinical, laboratory, and other data
- Improve treatment to reduce morbidity and readiness loss
- Improve prevention to reduce morbidity, mortality, and readiness loss

DEPLOYMENT AND TRAVEL-RELATED INFECTIONS

Focus on high priority deployment-related infections (travelers' diarrhea, vector-borne threats, leptospirosis, and multidrug-resistant organisms):

- Infectious disease threat assessment, patient-reported outcomes, and operational impact in military deployments
- Deployment-related practice guidance evaluation, including pre- and during travel
- Diagnostic test evaluation (including field expedient platforms)
- Safety and effectiveness of novel preventive and treatment strategies for travelers' diarrhea
- Emerging or re-emerging infectious diseases, including multidrug-resistant pathogens, impact on U.S. military readiness



HUMAN IMMUNODEFICIENCY VIRUS (HIV) AND SEXUALLY-TRANSMITTED INFECTIONS (STI)

Focus on high priority sexually-transmitted pathogens (HIV, antimicrobial-resistant *Neisseria gonorrhoeae* and *Mycoplasma genitalium*, and emerging and new STIs) in U.S. military service members and related populations:

- Characterize epidemiology and acute and chronic clinical outcomes
- Develop and evaluate strategies to mitigate relevant clinical outcomes that are serious or have significant military impact
- Support development of biomedical countermeasures
- Evaluate care practices, quality, costs, and outcomes to identify gaps and develop practice recommendations
- Evaluate novel treatment and prevention strategies to inform military policy and practice



WOUND INFECTIONS

Focus on battlefield-related wound infections (to include bacterial and fungal infections), community-associated skin and soft-tissue infections (SSTIs), multidrug-resistant organisms (MDROs), and antimicrobial stewardship:

- Characterize epidemiology and acute and chronic clinical outcomes
- Priority wound infection microbiology characterization to inform mitigation approaches
- Inform development of effective prevention strategies for community-associated SSTIs in military congregate settings
- Inform development of effective prevention and treatment strategies for combat trauma-related infections, in support of the DoD Joint Trauma System
- Evaluate structure and outcomes of Military Health System antimicrobial stewardship programs to reduce impact of MDRO infections



For more information, visit idcrp.usuhs.edu

TRAINING THE NEXT GENERATION OF INFECTIOUS DISEASE RESEARCHERS IN THE MILITARY

Core to the program's mission is training the next generation of clinical infectious disease researchers. Medical students, residents, fellows, graduate students, and junior faculty are engaged in educational and mentoring opportunities with IDCRP investigators on the topics of epidemiology and biostatistics, as well as the conduct of clinical trials, and pursue independent projects leading to presentations and manuscripts.



DATA ACQUISITION AND PROCESSING



The IDCRP Data Coordination Center (DCC) coordinates and executes data management and data processing for research studies. The DCC staff provides expertise in clinical data management systems, data collection instrument development, data validation, and data analysis preparation.

STREAMLINED & COMPLIANT SCIENTIFIC & ETHICAL REVIEW

The IDCRP Scientific Review Board and the USU Institutional Review Board provide a single, streamlined review pathway for multicenter scientific, ethical, and regulatory compliance. New research is developed cooperatively with DoD investigators and the IDCRP team.

STATE OF THE ART SPECIMEN REPOSITORIES

The program maintains study-specific repositories of host (e.g., blood), diagnostic (e.g., nasal wash), and/or pathogen (e.g., bacterial culture) specimens. IDCRP partners in the maintenance and application of these collections with military treatment facilities and DoD Research Programs. This vast collection of human and microbiologic specimens is invaluable for studies of disease pathogenesis, the host immune response, and the development and evaluation of novel diagnostic methods.

