Opportunity Title: WRAIR Epidemiology Established Scientist Fellowship
Opportunity
Opportunity Reference Code: MRDC-WRAIR-2025-0002-ES

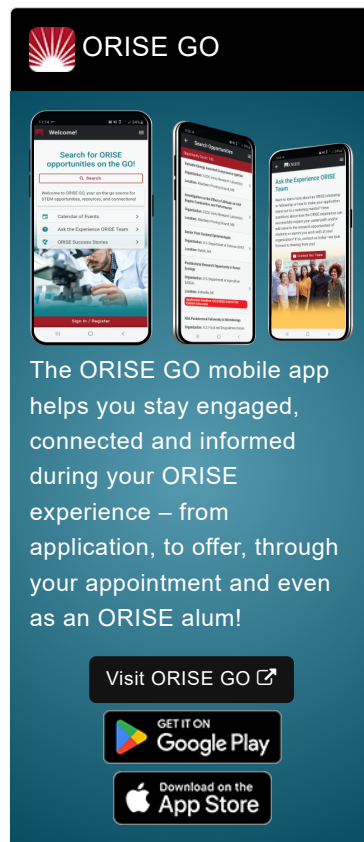|	
Organization	U.S. Department of Defense (DOD)
Reference Code	MRDC-WRAIR-2025-0002-ES
How to Apply	Click on *Apply* at the bottom of the opportunity to start your application.
Description	The Walter Reed Army Institute of Research (WRAIR) provides a unique opportunity to broaden expertise and experience of an established scientist with an epidemiology background who is skilled in advanced research design, data mining and biostatistical analyses by leveraging complex and varied longitudinal and cross-sectional data using SAS.

What will I be doing and why I should apply?

Under the guidance of a mentor, you will learn how to efficiently harness knowledge, technology and prior experience to provide evidence-based support for the sustainment and improvement of the combat effectiveness and lethality for the Warfighter. WRAIR unique research capabilities will allow to learn and perfect support for military medical standards optimization based on the results of advanced epidemiologic and data science discoveries.

Please see below for learning objectives categorized in several areas of epidemiology:

1. Advanced Epidemiological Methods:
   - Apply surveillance and epidemiological methodologies to assess trends in military health, medical standards, and retention outcomes.
   - Conduct statistical analyses on disability, medical waivers, and service-related health conditions using SAS and other analytical tools, to include assessment of the Medical Accession Records Pilot (MARP).
   - Advance statistical approaches to implement Artificial Intelligence (AI)/Machine Learning (ML) and predictive analytic techniques, leveraging the Health Information Exchange (HIE) and other "big data" to provide more real-time epidemiologic surveillance.

2. Data Analysis & Interpretation:
   - Perform high-level data analyses to evaluate medical standards, risk factors, and health outcomes among military personnel.
   - Develop statistical models to assess the effectiveness and efficiency of military health programs and policies.
   - Implement data visualization techniques to present findings to stakeholders through technical reports, presentations, and dashboards.
   - Leverage data analysis tools to include SAS, R, python, and visualization tools to advance analytic and programming skillset.

3. Data Governance & Management:
   - Establish and implement best practices for data governance, including data quality control, documentation, and standardization.
   - Oversee data curation processes, ensuring data integrity and compliance with DoD regulations and federal health guidelines.
   - Design and automate Extract Transform Load (ETL) processes for data extraction, transformation, and loading to improve efficiency and reproducibility.

4. Communication:
   - Communicate complex epidemiological findings to diverse stakeholders, including military leadership, researchers, and policy developers.
   - Contribute to the development of policies and standard operating procedures for data

access, sharing, and governance.

5. Research & Publication Development:
   - Conduct literature reviews using PubMed and other scientific databases to support manuscript preparation and research initiatives.
   - Draft manuscripts, technical reports, and conference abstracts for submission to peer-reviewed journals and professional meetings.
   - Present epidemiological research findings at national conferences and stakeholder briefings.
6. Professional Development:
   - Enhance skills in biostatistics, data science, and epidemiological research.
   - Advance knowledge and skills in data programming languages and visualization techniques.
   - Participate in professional development opportunities, including workshops, training programs, and interdisciplinary research teams.

Where will I be located?

Silver Spring, Maryland

What is the anticipated start date?

The Walter Reed Army Institute of Research is ready to make appointments immediately. Exact start dates will be determined at the time of selection and in coordination with the selected candidate. Applications are reviewed on an ongoing basis and internships will be filled as qualified candidates are identified.

What is the appointment length?

This appointment is a twelve-month, full time research appointment, with the possibility to be renewed for one additional research period.

What are the benefits?

You will receive a stipend to be determined by Walter Reed Army Institute of Research. Stipends are typically based on a participant's academic standing, discipline, experience, and research facility location. Other benefits may include the following:

- Health Insurance Supplement (Participants are eligible to purchase health insurance through ORISE)
- Relocation Allowance
- Training and Travel Allowance

About WRAIR

WRAIR provides unique research capabilities and innovative medical solutions to a range of Force Health Protection and Readiness challenges currently facing U.S. Service Members, along with threats anticipated during future operations. These research opportunities include ongoing efforts to identify and treat traumatic brain injury as well as to understand and mitigate the deleterious effects of repeated exposures to blast. For more information about the WRAIR, please visit www.wrair.health.mil.

About ORISE

This program, administered by Oak Ridge Associated Universities (ORAU) through its contract with

the U.S. Department of Energy (DOE) to manage the Oak Ridge Institute for Science and Education (ORISE), was established through an interagency agreement between DOE and DoD. Participants do not enter into an employee/employer relationship with ORISE, ORAU, DoD or any other office or agency. Instead, you will be affiliated with ORISE for the administration of the appointment through the ORISE appointment letter and Terms of Appointment. Proof of health insurance is required for participation in this program. Health insurance can be obtained through ORISE. For more information, visit the ORISE Research Participation Program at the U.S. Department of Defense.

Qualifications   The qualified candidate must have an in-depth expertise and education in Epidemiology, Medicine, Public Health, Biometrics and Biostatistics, Operations Research, or Probability and Statistics. As an Established Scientist, the candidate should have more than ten years of professional related experience.

Application Requirements

A complete application consists of:

- Zintellect Profile
- Educational and Employment History
- Essay Questions (goals, experiences, and skills relevant to the opportunity)
- Resume (PDF)
- Transcripts/Academic Records - For this opportunity, an unofficial transcript or copy of the student academic records printed by the applicant or by academic advisors from internal institution systems may be submitted. Click here for detailed information about acceptable transcripts.
- One Recommendations. We encourage you to contact your recommenders as soon as you start your application to ensure they are able to complete the recommendation form and to let them know to expect a message from Zintellect. The recommenders will be asked to rate your scientific capabilities, personal characteristics, and describe how they know you. You can always log back in to your Zintellect account and check the status of your application.

If you have questions, send an email to ARMY-MRMC@orise.orau.gov. Please list the reference code of this opportunity **MRDC-WRAIR-2025-0002-ES** in the subject line of the email. Please understand that ORISE does not review applications or select applicants; selections are made by the sponsoring agency identified on this opportunity. All application materials should be submitted via the "Apply" button at the bottom of this opportunity listing. Please do not send application materials to the email address above.

Connect with ORISE...on the GO! Download the new ORISE GO mobile app in the Apple App Store or Google Play Store to help you stay engaged, connected, and informed during your ORISE experience and beyond!

Point of Contact   Brittany

Eligibility
Requirements
- **Citizenship:** U.S. Citizen Only
- **Degree:** Master's Degree received within the last 350 month(s).
- **Discipline(s):**
  - **Life Health and Medical Sciences** (3 👁)
  - **Mathematics and Statistics** (3 👁)

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