



Military Operational Medicine Research Program

Mission

The mission of the Military Operational Medicine Research Program (MOMRP) is to develop effective countermeasures against operational stressors and to maximize health, readiness and performance of Service members and their Families for DoD Total Force Fitness and Army Holistic Health & Fitness initiatives. Efforts drive key biomedical directions in Human Performance Optimization & Enhancement and support Army/SECDEF Lethality priorities for Multi-Domain Operations.

For more information about the MOMRP:

momrp.amedd.army.mil

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For information about the USAMRDC:

mrdc.amedd.army.mil

To submit a product or idea:

mrdc-npi.amedd.army.mil



Primary Focus Areas

- |||| Musculoskeletal physiology mechanisms to guide optimal physical training interventions and reduce musculoskeletal injuries
- |||| Return-to-duty standards and accelerated recovery strategies after musculoskeletal injuries
- |||| Wearable technologies for monitoring Service member physiology (esp. exposure to blast or blunt impact to the head) to provide alerts to unit leaders regarding performance impairment or injury and to provide a longitudinal record of exposures
- |||| Neurosensory injury prevention and protection capabilities
- |||| Guidelines to build and sustain psychological resilience
- |||| Improved treatments and interventions to manage Psychological health conditions
- |||| Sleep physiology and interventions and strategies to manage and overcome Warfighter fatigue
- |||| Nutritional strategies to optimize performance during prolonged conflict, accelerate return-to-duty after degradation and promote more efficient injury recovery
- |||| Predictive models for heat and cold strain, prevention of environmental injuries and sustain performance at altitude
- |||| Biomonitoring and other multi-disciplinary approaches to predict health effects from occupational stressors and environmental health hazards

The U.S. Army Medical Research and Development Command is committed to creating and delivering medical solutions for our Service Members. Collaboration with academia and industry partners, like you, is essential to our success. We look forward to collaborating with you.



U.S. Army Medical Research
and Development Command