

# MUSCULOSKELETAL INJURY CARE RESEARCH & DEVELOPMENT



## Precision Recovery for Peak Performance

Geneva advances MSKI research to protect warfighter readiness and long-term health. From prevention and diagnosis to treatment and rehabilitation, our work delivers evidence-based solutions that restore performance, reduce recovery time, and sustain force capability across training, combat, and recovery.

## The Geneva Advantage

With deep DoD expertise and agile infrastructure, Geneva accelerates innovation by guiding promising ideas through complex regulatory, operational, and contracting pathways—transforming research into deployable solutions.

- **Mission-Aligned Expertise**  
Proven track record executing DoD-prioritized, operational research for service members
- **End-to-End Support**  
From proposal to dissemination, we manage every step
- **Strategic Access**  
Embedded at military sites with direct reach to service members and multidisciplinary partners
- **Accelerated Impact**  
Advancing research to field-ready solutions through agile, cross-sector partnerships

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genevaUSA.org

Data represents 1 January 2024 - 1 June 2025

## Mission Metrics

Active Funds Managed in 2024

**\$101.1M**

Active Research Projects

**48**

Principal Investigators

**26**

Research Sites

**50**

## Critical Areas of Innovation

### Early Detection

Diagnostics for real-time assessment

### Treatment Optimization

Therapies for faster, personalized recovery

### Rehabilitation

Return-to-duty models that reduce re-injury

### Injury Prevention

Risk reduction and performance tools

### Data & Translation

AI insights that inform clinical practice



## Leading the Frontlines of Research — Project Spotlights

### Preventing Recurrent Shoulder Injuries to Sustain Performance

A large-scale study focused on identifying early risk factors for shoulder instability, one of the most common and debilitating musculoskeletal injuries in military populations, is currently underway. By comparing operative and non-operative approaches and evaluating rehabilitation strategies, the research aims to inform military-specific clinical guidelines that optimize recovery and reduce the risk of re-injury.

#### Impact

This work enhances force readiness by improving treatment decisions and rehabilitation outcomes—minimizing downtime, accelerating return to duty, and protecting long-term performance for physically active service members.

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### Mapping the Full Impact of Musculoskeletal Injuries

Geneva supports the development of a standardized, reproducible methodology to track and categorize musculoskeletal injuries (MSKIs) across the U.S. Armed Forces. By analyzing over a decade of electronic health records and private sector claims data, the study offers a comprehensive framework to evaluate MSKI incidence, treatment utilization, and associated costs, addressing a critical gap in military readiness research.

#### Impact

This research provides the Military Health System with a powerful tool to identify trends, allocate resources more effectively, and develop targeted interventions for the most prevalent and costly injuries affecting service members today.

## Together, We're Redefining What's Possible in Musculoskeletal Injury Care

Whether you're a researcher, policymaker, or industry innovator, Geneva brings the expertise, infrastructure, and partnerships needed to deliver results where they matter most—on the front lines of defense health.

Let's develop battlefield-ready solutions that save lives and shape the future of musculoskeletal injury care.

Learn more about Geneva's  
MSKI research:

