



## Medical Simulation and Information Sciences Research Program

### **Medical Simulation**

*Increasing effectiveness of medicine through simulation*

### **Medical Assist Support Technologies**

*Medical capabilities for disbursed operations*

### **Mission**

*The Medical Simulation and Information Sciences Research Program (MSISRP) executes medical science and technology (S&T) programs.*

*In order to strategically bridge gaps in capabilities required to support and enable the Warfighter.*

*By responsively and responsibly creating and developing emerging and disruptive military medical capabilities.*

### **For more information about the MSISRP:**

[https://mrdc.amedd.army.mil/index.cfm/program\\_areas/medical\\_research\\_and\\_development](https://mrdc.amedd.army.mil/index.cfm/program_areas/medical_research_and_development)

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### **For information about the USAMRDC:**

[mrdc.amedd.army.mil](http://mrdc.amedd.army.mil)

### **To submit a product or idea:**

[mrdc-npi.amedd.army.mil](http://mrdc-npi.amedd.army.mil)



# Primary Focus Areas

## Provide Medical Assist Support Technologies

- IIII Development of next generation tools in Medical Robotics and Autonomous Systems (MED-RAS) delivering medical technologies in far-forward and dispersed operations
- IIII Integrated Virtual Health (VH) enterprise architecture solutions supporting delivery of care in disrupted, intermittent and low bandwidth(DIL) environments

## Improve Military Medical Simulation

*Enabling a DoD integrated and federated Medical Simulation Enterprise (MSE), through:*

- IIII Introduction of Military Health System (MHS) wide standardized simulation for skills to conduct effective Joint and Global Patient movement, Joint Evacuation and Transport Simulation (JETS) program
- IIII Develop medical simulation technologies through the Point of Injury and Trauma Simulation (POINTS) program through Role-1 medical care
- IIII Advanced Role 2 and 3, in-theater simulation training capabilities for medical teams and deployed personnel thru Theater Hospital Operations replication (THOR)
- IIII Simulated Hospital Operations and Treatment Systems (SHOTS) in Military Treatment Facility (MTF), Role 4, based simulation training
- IIII Enabling a medically ready Force through real world simulation applied mission spaces through Warfighter Preparation, Resilience, Enhancement, and Protection (WarPREP) program efforts

## Artificial Intelligence for Medical Sciences Task Force (AIMS TF) (opportunity funded)

*Accelerating the delivery of emerging Artificial Intelligence (AI) enabled military medical technologies:*

- IIII Establishing strategic, collaborative knowledge-generating Joint solutions
- IIII Ensuring patient safety, by providing ethical, evidence-based “Assured” Autonomy and AI essential for delivering applications

*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  
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