

JOINT WARFIGHTER MEDICAL RESEARCH PROGRAM



MISSION: Support the logical continuation of DOD-funded research and development projects that augment and accelerate high-priority medical requirements to meet the needs of Service Members and other Military Health System beneficiaries

**Congressional Appropriations
FY12-FY24:
\$615M total**

“The research investments supported through the JWMP deliver promising medical solutions that directly impact the health and readiness of our Warfighters. The program is guided by diverse stakeholders, representing the scientific and clinical communities and end users, who work together to understand where the most critical gaps are and ensure that the program is investing resources in those areas where we can have the greatest impact, whether it’s in the clinic or on the battlefield.”

*U.S. Navy Capt. Tatana Olson,
Defense Health Agency Research and
Engineering Directorate, FY22-FY23
Programmatic Panel Member*

SCOPE OF THE PROBLEM

Many technologies *require* translational research to bridge the gap between basic science and clinical practice.

There is an **urgent need to support critical research to shorten the time for implementation of solutions to high priority gaps.**



Military Medicine

Benefiting beneficiaries and the American public

Promotes a medically ready force
Drives innovations into civilian practice¹



RELEVANCE TO MILITARY HEALTH

FUNDING TO BRIDGE THE GAP

Science & Technology:

late-stage applied tech development, maturation and demonstration

Advanced Development:

further demonstration and development in an operational context, toward product delivery and fielding



**Move military-relevant medical solutions forward
in the acquisition life cycle**

PROGRAM PRIORITIES

- Broad spectrum and/or pathogen agnostic approaches to prevent and/or treat endemic or emerging infectious diseases of high operational impact
- Preventative capabilities to promote the Warfighter’s physiological and cognitive performance and readiness, and injury prevention
- Solutions for semi-autonomous or autonomous medical care from point of injury across the continuum of care
- Virtual/telehealth and decision support with artificial intelligence solutions to provide combat casualty care/prolonged care
- Hemorrhage control and resuscitation solutions

¹ Hill, Lanessa. 2023. Researchers unite for warfighters at Combat Casualty Care conference. U.S. Army Medical Research and Development Command.



For more information, visit: <https://cdmrp.health.mil/jwmp>

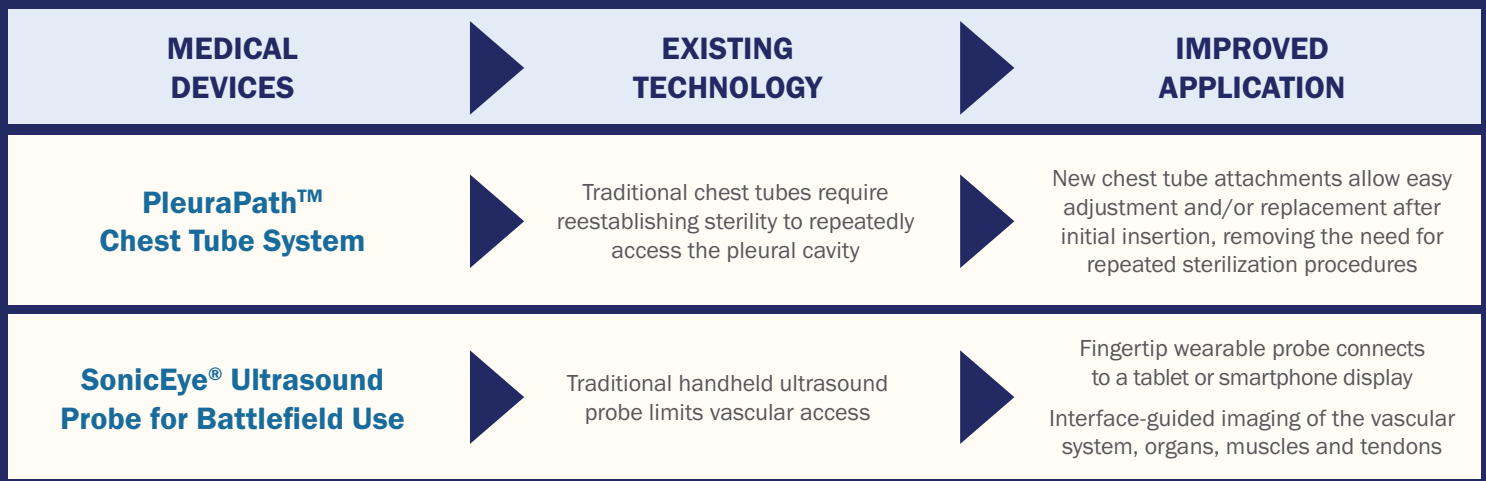
PROGRAM IMPACT AND OUTCOMES

STRATEGIC COLLABORATIONS

The JWMPR coordinates with organizations across the DOD to identify the most critical, relevant and impactful funding priorities.



AUGMENTING EXISTING MEDICAL TECHNOLOGIES WITH JWMPR INVESTMENT



RESEARCH BREAKTHROUGHS IN MILITARY MEDICINE

5

COMMERCIALIZED PRODUCTS since FY14

PHYSIOLOGICAL READINESS

DSUVIA™ Sublingual Tablet
manages pain on the battlefield

SPRINT® Peripheral Nerve Stimulation System
alleviates pain following major lower limb amputations

INFECTIOUS DISEASE

Mirasol® Pathogen Reduction Technology System

reduces disease-causing virus, bacteria and parasite levels in whole blood

POINT-OF-INJURY MEDICAL CARE

SonicEye® Wearable Ultrasound Probe

HEMORRHAGE CONTROL

IMUFLEX® Whole Blood Filter Saving Platelets

produces leukocyte-depleted red blood cells, plasma and platelets

19

CLINICAL PRACTICE GUIDELINES

Implemented into the Joint Trauma System to improve supplemental **oxygen therapy** for critically injured patients

4

CLINICAL STUDY INSTRUMENTS

Resulting from the **Noise Outcomes in Service Members Epidemiology** study

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