

JOINT WARFIGHTER MEDICAL RESEARCH PROGRAM



VISION

Move military-relevant medical solutions forward in the acquisition life-cycle to meet the needs of Service Members and other military health system beneficiaries

MISSION

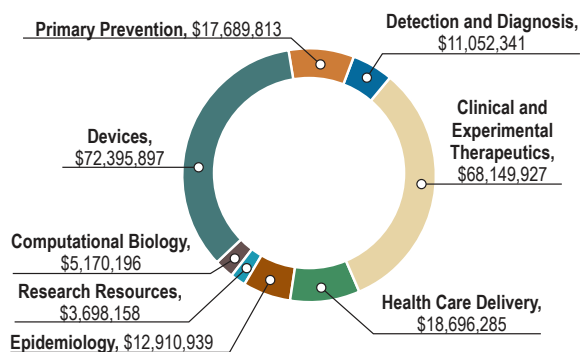
Accelerate research and development projects that have the potential to close high-priority Department of Defense medical capability gaps

PROGRAM HISTORY

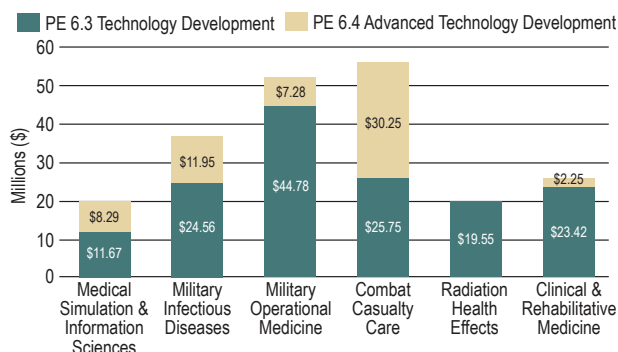
The Joint Warfighter Medical Research Program (JWMRP) was initiated in FY12 to provide a way to continue Warfighter-relevant medical research and development projects that had been previously funded with DOD Congressional Special Interest dollars. The program was expanded by Congress in FY18 to include continuation of projects with prior DOD core program funding as well. JWMRP funds are not to be used for new projects or for basic research. The JWMRP leverages the efforts of industry, academia, and DOD laboratories to augment and accelerate projects that show promise in closing high-priority joint- and service-specific DOD medical requirements and capability gaps to move products across the “valley of death,” toward advanced development, to get products to the Warfighter faster and better. The program coordinates with USAMRDC leadership, including the JPCs, as well as the U.S. Army Medical Materiel Development Activity (USAMMDA) Project Management Offices, Navy, Air Force, Special Operations Command, and the Defense Health Agency to identify priority areas each year.

Congressional appropriations for the JWMRP total \$570M to date. A total of 270 JWMRP awards have been made from FY12-FY21, funding 170 individual projects. JWMRP projects align to various military medical research areas, including Military Infectious Diseases, Military Operational Medicine, and Combat Casualty Care. By focusing on both early and advanced technology development, the JWMRP provides a pathway to transition military medical products to military health care providers and the Warfighter.

Scan me to access even more information about the program.



JWMRP Investment by Research Type FY17-FY21



JWMRP Funding Distribution FY17-FY21

2021 Congressional Appropriations, Research Investment, and Withholds and Management Costs

Congressional Appropriations	Research Investment	Withholds and Management Costs
\$40M	Military Medical Research and Development Award \$33,085,940 Modification to ongoing awards \$1,543,567	USAMRDC \$773,300 SBIR/STTR \$1,335,000 Mgt Costs (8.61%) \$3,262,192
Total: \$40M	Total: \$34,629,507	Total: \$5,370,492

Technology Readiness Level

4



Wearable spine health system for military readiness assessment

Novel MRI quantification of cervical and lumbar spine kinematics in swift boat Combatant Crewmen

MeniscoFix total meniscus replacement device

5

Phase 1/2 clinical trial of bacteriophage for treatment of bacterial infections

Phase 1 clinical trial of Vital Wave non-contact vital signs monitor

Multi-site clinical trial of a neural-enabled prosthetic hand system

AccuPump™ infusion pump module for the delivery of drugs, fluids, and blood products at point of injury



PleuraPath™ chest tube for thoracostomy

Phase 1 clinical trial for therapeutic intervention particles as an antiviral against HIV

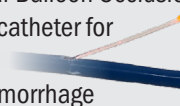
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Ultrasound for assessing critical head trauma

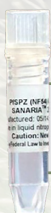
Multicenter implementation trial of targeted normoxia strategy to inform oxygen requirements for combat casualty care

Thrombopoietin mimetic to prevent/mitigate acute radiation syndrome

Resuscitative Endovascular Balloon Occlusion of the Aorta physiologic sensing catheter for advanced control of noncompressible torso hemorrhage



8



Phase 3 clinical trial of Sanaria PfSPZ vaccine in malaria-naïve adults

Autonomous portable blood refrigeration unit as a battlefield whole blood logistics solution



Eddie C. Webb, Medical Research and Acquisition Program Management Branch, Programmatic Panel Member FY20-FY22

“Since 2012, the JWMP has augmented Department of Defense and Service Component efforts to develop materiel products to meet medical Warfighter requirements. It has provided the Air Force Medical Service an opportunity to bring solutions forward more expeditiously – both for existing initiatives close to achieving their objectives and for emerging materiel acquisition programs applicable to the joint community. Sponsored efforts encompass medical device development integral to the Combatant Commander interests. The JWMP program is a powerful tool in advancing medical product development to support DOD capabilities.”

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