

Defense Health Program
Fiscal Year (FY) 2012 Budget Estimates
Exhibit R-2, DHP RDT&E Budget Item Justification

Appropriation/Budget Activity
Defense Health Program/BA: 2

DATE: February 2011
R1 Item Nomenclature: 9
Medical Products and Support Systems Dev
0605145HP

COST: (Dollars in Millions)

	2010 Actual	2011 Estimate	2012 Estimate	2013 Estimate	2014 Estimate	2015 Estimate	2016 Estimate
Total PE 0605145	0.723	0.000	34.559	72.594	91.126	98.607	102.058
GDF-Medical Products and Support Systems Development (GDF-MPSSD)	0.723	0.000	18.959	64.094	91.126	98.607	102.058
Hyperbaric Oxygen Therapy Clinical Trial (Army)	0.000	0.000	15.600	8.500	0.000	0.000	0.000

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: This Program Element (PE) funds system development and demonstration of medical commodities delivered from the various medical advanced development and prototyping DoD Components that are directed at meeting validated requirements prior to full-rate initial production and fielding, including initial operational test and evaluation and clinical trials. Research in this PE is designed to address the following: areas of interest to the Secretary of Defense regarding Wounded Warriors, capabilities identified through the Joint Capabilities Integration and Development System (JCIDS), and the strategy and initiatives described in the Quadrennial Defense Review (QDR). Program development and execution is peer-reviewed and fully coordinated with all of the Military Services, appropriate Defense Agencies or Activities and other federal agencies, to include the Department of Veterans Affairs, the Department of Health and Human Services, and Department of Homeland Security. This coordination occurs through the planning and execution activities of the Joint Program Committees (JPCs), established for the Defense Health Program enhanced RDT&E funding. The work includes development and demonstration of medical modeling and simulation systems for training/education/treatment, and medical system development and demonstration.

For the Army Medical Command this PE supports product development efforts resulting from a previously initiated project for hyperbaric oxygenation for chronic, mild traumatic brain injury (TBI). The project encompasses development, initiation, operation, analysis, and subsequent publication of clinical trials to compare and assess the long-term benefit of hyperbaric oxygen therapy on service members with mild TBI.

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B. PROGRAM CHANGE SUMMARY:

	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>
FY12 Budget Estimate RDT&E	0.803	0.000	34.559	72.594
SBIR	-0.080	0.000	0.000	0.000
FY12 Budget Submission RDT&E	0.723	0.000	34.559	72.594

PROGRAM CHANGE SUMMARY EXPLANATION:

FY 2010: SBIR Transfer from DHP RDT&E, PE 0605145 - Medical Products and Support Systems Development (-\$0.080 million) to DHP RDT&E, PE 0605502 - Small Business Innovation Research (SBIR) program (+\$0.080 million).

FY 2011: No Change.

FY 2012: No Change.

FY 2013: No Change.

C. OTHER PROGRAM FUNDING SUMMARY: None.

D. ACQUISITION STRATEGY: Work under this PE may be solicited by traditional Program Announcements resulting in contracts or other transactions. The intent is to have the majority of the work conducted by extramural entities with eventual down-select transitions into Programs of Record or directly into clinical practice. Programs of Record will be assigned to a Component Acquisition Executive.

E. PERFORMANCE METRICS:

The benchmark performance metric for transition of research supported in this PE will be the attainment of a maturity level that is typical of TRL 8.