

Defense Health Program  
Fiscal Year (FY) 2011 Budget Estimates  
Exhibit R-2, DHP RDT&E Budget Item Justification

Appropriation/Budget Activity  
Defense Health Program/BA: 2

DATE: February 2010  
R1 Item Nomenclature: 1  
In-House Laboratory Independent Research  
(ILIR)  
0601101HP

COST: (Dollars in Millions)

	2009 Actual	2010 Estimate	2011 Estimate	2012 Estimate	2013 Estimate	2014 Estimate	2015 Estimate
<b>Total PE 0601101</b>	2.431	2.747	2.875	2.935	2.997	3.057	3.118
<b>Combat Casualty Care (Army)</b>	0.014	0.000	0.000	0.000	0.000	0.000	0.000
<b>Combat Casualty Care (USUHS)</b>	1.035	1.184	1.239	1.265	1.292	1.318	1.344
<b>Infectious Disease (USUHS)</b>	0.264	0.385	0.403	0.411	0.419	0.427	0.436
<b>Military Operational Medicine (USUHS)</b>	1.118	1.178	1.233	1.259	1.286	1.312	1.338

**A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:** For the Army in FY09 this one year requirement provided research support to the Uniformed Services University of the Health Sciences (USUHS) through the Armed Forces Health Surveillance Center, US Army Center for Health Promotion and Preventive Medicine (USACHPPM). The focus was to support the research protocol entitled "Epigenetic Patterns of PTSD: DNA Methylation in Serum of OIF/OEF Service Members."

For the Uniformed Services University of the Health Sciences (USUHS), this program element supports basic medical research at the Uniformed Services University of the Health Sciences (USUHS). It facilitates the recruitment and retention of faculty; supports unique research training for military medical students and resident fellows; and allows the University's faculty researchers to collect pilot data towards military relevant medical research projects in order to secure research funds from extramural sources (estimated \$25-\$30 million annually). Approximately 55 intramural research projects are active each year, including 27 faculty start-ups. Projects are funded on a peer-reviewed, competitive basis. Results from these studies

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contribute to the fund of knowledge intended to enable technical approaches and investment strategies within Defense Science and Technology (S&T) programs.

The ILIR program at USUHS is designed to answer fundamental questions of importance to the military medical mission of the Department of Defense in the areas of Combat Casualty Care, Infectious Diseases, Military Operational Medicine, and Chemical, Biological, and Radiologic Defense. The portfolio of research projects will vary annually because this research is investigator-initiated.

**B. PROGRAM CHANGE SUMMARY:**

	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>
FY11 Budget Estimate RDT&E	2.431	2.817	2.875	2.935
SBIR	0.000	-0.070	0.000	0.000
FY11 Budget Submission RDT&E	2.431	2.747	2.875	2.935

**PROGRAM CHANGE SUMMARY EXPLANATION:**

FY09:  
 No Change.

FY10:  
 SBIR Transfer from DHP RDT&E Program Element 0601101 - In-House Laboratory Independent Research (ILIR) to DHP RDT&E Program Element 0605502-Small Business Innovation Research (SBIR) (-\$.070 million).

FY11:  
 No Change.

FY12:  
 No Change.

**C. OTHER PROGRAM FUNDING SUMMARY:** None

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**D. ACQUISITION STRATEGY:** Not Required

**E. PERFORMANCE METRICS:**

FY 2010 and out years - Efforts will continue within Infectious Disease, Military Operational Medicine and Combat Casualty Care research areas. Specific investigator-initiated projects compete for funding each year, usually with two or three-year project periods. Therefore, no detailed description of the research is possible at this time.