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Exhibit R-2, RDT&E Budget Item Justification: PB 2024 Navy **Date:** March 2023

Appropriation/Budget Activity 1319: <i>Research, Development, Test & Evaluation, Navy / BA 5: System Development & Demonstration (SDD)</i>	R-1 Program Element (Number/Name) PE 0604771N / <i>Medical Development</i>
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COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
Total Program Element	276.185	30.429	16.178	6.061	-	6.061	8.419	7.920	7.416	7.568	Continuing	Continuing
0933: <i>Medical/Dental Equipment Dev</i>	27.549	3.882	3.178	6.061	-	6.061	8.419	7.920	7.416	7.568	Continuing	Continuing
9999: <i>Congressional Adds</i>	248.636	26.547	13.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	288.183

A. Mission Description and Budget Item Justification

The purpose of this program is to develop biomedical equipment and related techniques to reduce morbidity; to enhance the logistic feasibility of modern medical care for combat casualties; to sustain casualties for evacuation to fixed medical facilities for definitive care; and to ensure that personnel are medically qualified for military duty. Each work unit undertaken in this project has a military requirement. Efforts are justified based upon military payoff and cost benefit. There is a strong potential for dual use, technology transfer, and biotechnology firm/industry participation in the projects.

B. Program Change Summary (\$ in Millions)

	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024 Base</u>	<u>FY 2024 OCO</u>	<u>FY 2024 Total</u>
Previous President's Budget	31.467	3.178	7.639	-	7.639
Current President's Budget	30.429	16.178	6.061	-	6.061
Total Adjustments	-1.038	13.000	-1.578	-	-1.578
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	13.000			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-1.038	0.000			
• Program Adjustments	0.000	0.000	-1.622	-	-1.622
• Rate/Misc Adjustments	0.000	0.000	0.044	-	0.044

Congressional Add Details (\$ in Millions, and Includes General Reductions)

Project: 9999: *Congressional Adds*

Congressional Add: *Military dental research*

Congressional Add: *Wound Care Research*

Congressional Add: *Autonomous Aerial Technology for Distributed Logistics*

Congressional Add: *Mitigating circadian misalignment*

	FY 2022	FY 2023
	9.653	10.000
	9.654	0.000
	7.240	0.000
	0.000	3.000

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Congressional Add Details (\$ in Millions, and Includes General Reductions)

	FY 2022	FY 2023
Congressional Add Subtotals for Project: 9999	26.547	13.000
Congressional Add Totals for all Projects	26.547	13.000

Change Summary Explanation

FY 2024 funding request was reduced by \$1.578M for realignments of RD TEN funding to ensure wholeness for Navy priority programs.

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy										Date: March 2023		
Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0604771N / <i>Medical Development</i>				Project (Number/Name) 0933 / <i>Medical/Dental Equipment Dev</i>			
COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
0933: <i>Medical/Dental Equipment Dev</i>	27.549	3.882	3.178	6.061	-	6.061	8.419	7.920	7.416	7.568	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The purpose of this program is to develop biomedical equipment and related techniques to reduce morbidity; to enhance the logistic feasibility of modern medical care for combat casualties; to sustain casualties for evacuation to fixed medical facilities for definitive care; and to ensure that personnel are medically qualified for military duty. Each work unit undertaken in this project has a military requirement. Efforts are justified based upon military payoff and cost benefit. There is a strong potential for dual use, technology transfer, and biotechnology firms/industry participation in the projects.

The purpose of this program is to develop, test, and evaluate expeditionary medical systems and equipment to save warfighter lives, facilitate movement of patients up the roles of care, and return warfighters to the fight; especially in the Distributed Maritime environment. Each work unit undertaken in this program has a military requirement. Efforts are justified based upon military payoff and cost benefit. There is a strong potential for dual use, technology transfer, and biotechnology firms/industry participation in the projects.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)

	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Title: Medical/Dental Equipment Development	3.882	2.144	5.024	0.000	5.024
Articles:	-	-	-	-	-
FY 2023 Plans:					
-Continue Individual Fatigue-Based Scheduling and Countermeasure System that predicts, prevents, detects, and mitigates periods of high risk associated with fatigue.					
-Complete fatigue mitigation and validation of scheduling tools to include validation of an alternative watchstanding schedule on Naval Surface Combatants.					
-Complete Human Performance/Crew Endurance effort: Fatigue Mitigation.					
-Complete cabin-pressure/decompression sickness (DCS) test and evaluation capability.					
-Continue evaluation of physiological monitoring sensor system in relevant military environments.					
-Complete Human Performance/Crew Endurance effort: Navy specific Stress Inoculation Study.					
-Continue Neurocognitive Tool Development and Test & Evaluation.					
-Continue Human Performance: Antiemetic.					
FY 2024 Base Plans:					
-Complete Individual Fatigue-Based Scheduling and Countermeasure System that predicts, prevents, detects, and mitigates periods of high risk associated with fatigue.					
-Continue evaluation of physiological monitoring sensor system in relevant military environments.					

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Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604771N / <i>Medical Development</i>	Project (Number/Name) 0933 / <i>Medical/Dental Equipment Dev</i>
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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
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-Continue Neurocognitive Tool Development and Test & Evaluation.
 -Continue Human Performance: Antiemetic.
 -Initiate Test & Evaluation Autonomous Aerial Technology for Distributed Logistics of Critical Medical Supplies.
 -Initiate Human Factors Surface Fleet Optimized Watch Standing and Logistics (OWL) Tool Fatigue Meter.
 -Initiate Human Factors Surface Fleet Support of Optimized Watch Standing and Logistics (OWL) Tool Fatigue Meter.

FY 2024 OCO Plans:
N/A

FY 2023 to FY 2024 Increase/Decrease Statement:
 The \$2.880M increase from FY 2023 to FY 2024 supports continuation of project activities for development of a Physiological Monitoring Sensors and Systems that will involve integration and T&E activities for diveable biomedical monitoring systems (i.e., Integrated Monitoring System [IMS]). As well as expand fatigue mitigation Tools for Surface Fleet application. The increase from FY 2023 to FY 2024 accounts for expanded Research and Development activities and funding will be attributed to the activities as noted herein.

Title: Expeditionary Medical Family of Systems	0.000	1.034	1.037	0.000	1.037
Articles:	-	-	-	-	-

FY 2023 Plans:
 Perform Business Case Analysis, developmental testing and suitability evaluation for the Expeditionary Medical Family of Systems to include Certified Diagnostic Mobile Laboratory, Expeditionary Resuscitative Surgical Systems, En Route Care Systems, and Expeditionary Medical Units Afloat, to increase agility and scalability of Expeditionary Medical Services in support of 2019 Naval Expeditionary Health Services Required Operational Capability/Projected Operational Environment with pivot to Distributed Maritime Operations.

FY 2024 Base Plans:
 Perform Business Case Analysis, developmental testing and suitability evaluation for the Expeditionary Medical Family of Systems to include Certified Diagnostic Mobile Laboratory, Expeditionary Resuscitative Surgical Systems, En Route Care Systems, Expeditionary Medical Units Afloat and Ashore Theatre Hospitalization to increase agility and scalability of Expeditionary Medical Services in support of 2019 Naval Expeditionary Health Services Required Operational Capability/Projected Operational Environment with pivot to Distributed Maritime Operations.

FY 2024 OCO Plans:

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
N/A					
<i>FY 2023 to FY 2024 Increase/Decrease Statement:</i> No significant program change from FY 2023 to FY 2024.					
Accomplishments/Planned Programs Subtotals	3.882	3.178	6.061	0.000	6.061

C. Other Program Funding Summary (\$ in Millions)

Line Item	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
• 8109: <i>Deployable Medical Systems</i>	0.000	10.578	9.568	-	9.568	1.296	1.316	1.341	1.400	0.000	25.499

Remarks

D. Acquisition Strategy

The acquisition strategy for product lines and products in the Medical Development Program is designed and implemented consistent with the purpose of the particular product and with the nature and size of the investment.

The major Product Areas in the Medical Development Program are: 1) Equipment, 2) Pharmaceuticals/Biologics, and 3) Operational Knowledge/Concepts. The primary Program Areas of Interest are: 1) Optimize health, performance, and resilience of the ready and forward operating forces; 2) Enhance medical logistics; 3) Reduce mortality and morbidity from battlefield and mission-related injuries in support of Navy Health Services Support in Terrestrial, Maritime Surface, Submarine, and Aviation Operations and USMC in Expeditionary Operations.

For Product Areas 1 and 2, there are two primary acquisition strategies. The first is to test and evaluate for Naval application commercially-developed medical product or candidates in managed trials or test events with the ultimate goal of supporting Food and Drug Administration (FDA) approval, where appropriate. Partnerships with commercial developers promotes developing products of military interest for procurement by the Operating Forces. A second benefit of this strategy is that products are made available across the DoD, Federal Government, and commercial market, thus reducing overall procurement costs. During development, DoD end users are included in the process to the extent possible. The second strategy is to drive a collaborative development process with larger DoD program investments. This process involves developing in-house or industrial prototypes in government-managed programs to meet Naval needs while meeting regulatory requirements for production and fielding. Both tactics promote development of procurement plans that align product availability with Service integration strategies.

The Third Product Area (Knowledge/Concepts) is focused on the introduction of technologies, techniques, and procedures that enhance medical practice and standards of care for effective delivery of health care and casualty care in the Naval operating environment. These primarily require early involvement of the senior leadership of military medicine, in that the end product of the program is modification of concepts of operations, policy, and/or doctrine. These acquisitions can impact the care and performance of Sailors and Marines. Medical Development Program examples include Navy Crew Endurance Handbook and associated implementation tools.

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1319 / 5	PE 0604771N / <i>Medical Development</i>	0933 / <i>Medical/Dental Equipment Dev</i>

NAVSEA Expeditionary Medical Family of Systems program will enter as a Program of Record at Milestone C for the Baseline already fielded systems and will continue to develop and deliver incremental capability to evolving requirements in support of Distributed Maritime Operations.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Navy **Date:** March 2023

Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604771N / <i>Medical Development</i>	Project (Number/Name) 0933 / <i>Medical/Dental Equipment Dev</i>
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Product Development (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Human Factors Individualized Fatigue Based Scheduling	Allot	Naval Submarine Medical Research Laboratory : Groton, CT	2.563	0.025	Jul 2023	0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Fatigue Based Scheduling	WR	Naval Post Graduate School : Monterey, CA	2.619	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Crew Endurance and Fatigue Mitigation	WR	Naval Post Graduate School : Monterey, CA	5.315	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Cabin-pressure/ Decompression Sickness Test and Evaluation Capability	Allot	NAVFAC EXWC : Port Hueneme, CA	3.143	0.075	Aug 2022	0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Cabin-pressure/ Decompression Sickness Test and Evaluation Capability	C/CPFF	NAVSEA : Washington Navy Yard, DC	0.091	0.017	Apr 2023	0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Physiological Monitoring Sensor Systems	Various	Various : Not Specified	5.099	2.000	Dec 2022	2.005	Aug 2023	1.600	Aug 2024	-		1.600	Continuing	Continuing	Continuing
Navy specific Stress Inoculation Study	WR	Naval Post Graduate School : Monterey, CA	0.905	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Human Performance: Neurocognitive Tool	Various	Various : Not Specified	0.000	0.000		0.000		1.668	Apr 2024	-		1.668	Continuing	Continuing	Continuing
Human Performance: Antiemetic	C/CPFF	Defender Pharmaceuticals Inc. : Saint Louis, MO	0.000	1.730	Sep 2022	0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Test & Evaluation Autonomous Aerial Technology for Distributed Logistics of Critical Medical Supplies	TBD	TBD : Not Specified	0.000	0.000		0.000		0.200	May 2024	-		0.200	Continuing	Continuing	Continuing

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Product Development (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Human Factors Surface Fleet OWL Tool Fatigue Meter	TBD	TBD : Not Specified	0.000	0.000		0.000		0.750	Aug 2024	-		0.750	Continuing	Continuing	Continuing
Human Factors Surface Fleet Support of OWL Tool Fatigue Meter	Allot	Naval Submarine Medical Research Laboratory : Groton, CT	0.000	0.000		0.000		0.032	Aug 2024	-		0.032	Continuing	Continuing	Continuing
Medical Product Development	Various	Various : Not Specified	5.586	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Expeditionary Resuscitative Surgical Systems Business Case Analysis	FFRDC	JHU/APL : Laurel, MD	0.000	0.000		0.150	Jan 2023	0.050	Jan 2024	-		0.050	Continuing	Continuing	Continuing
En Route Care System Business Case Analysis	FFRDC	JHU/APL : Laurel, MD	0.000	0.000		0.150	Jan 2023	0.050	Jan 2024	-		0.050	Continuing	Continuing	Continuing
Certified Diagnostic Mobile Laboratory Business Case Analysis	FFRDC	JHU/APL : Laurel, MD	0.000	0.000		0.000		0.137	Nov 2023	-		0.137	0.000	0.137	-
Subtotal			25.321	3.847		2.305		4.487		-		4.487	Continuing	Continuing	N/A

Remarks

Certified Diagnostic Mobile Laboratory (CDML) Business Case Analysis increase to support initial procurement of 2 CDMLs.

Support (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Support	WR	NMRLC : Williamsburg, VA	0.000	0.000		0.284	Jan 2023	0.300	Jan 2024	-		0.300	Continuing	Continuing	Continuing
Subtotal			0.000	0.000		0.284		0.300		-		0.300	Continuing	Continuing	N/A

Remarks

Increased funding to support FY24 fielding requirements.

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Test and Evaluation (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Developmental Test & Evaluation (DT&E)	WR	NMRLC : Williamsburg, VA	0.000	0.000		0.200	Jan 2023	0.200	Jan 2024	-		0.200	Continuing	Continuing	Continuing
Operational Test & Evaluation (OT&E)	WR	Various : Not Specified	0.000	0.000		0.250	Mar 2023	0.300	Jan 2024	-		0.300	0.000	0.550	-
Subtotal			0.000	0.000		0.450		0.500		-		0.500	Continuing	Continuing	N/A

Remarks
Increase funding supports ERSS, ERCS and CDML operational and development test requirements to determine suitability.

Management Services (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Program Support	Various	Various : Not Specified	2.228	0.035	Aug 2022	0.139	Aug 2023	0.774	Aug 2024	-		0.774	Continuing	Continuing	Continuing
Subtotal			2.228	0.035		0.139		0.774		-		0.774	Continuing	Continuing	N/A

Prior Years	FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract		
Project Cost Totals			27.549	3.882		3.178		6.061		-	6.061	Continuing	Continuing	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2024 Navy **Date:** March 2023

Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604771N / <i>Medical Development</i>	Project (Number/Name) 0933 / <i>Medical/Dental Equipment Dev</i>
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Proj 0933.L18	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028			
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
Reduced Morbidity and Mortality: Physiological Monitoring Sensor Systems	Technology Development and Testing																											
Human Performance: Antiemetic	Systems Development																											
Human Factors Surface Fleet OWL Tool Fatigue Meter	Systems Development																											
Medical Product Development: Medical/Dental Systems	Systems Development																											
Cabin-pressure/Decompression Sickness Test and Evaluation Capability	Systems Development																											
Human Performance: Neurocognitive Tool Development and Test & Evaluation	Systems Development																											

2024PB - 0604771N - 0933.L18

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Exhibit R-4, RDT&E Schedule Profile: PB 2024 Navy **Date:** March 2023

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Proj 0933.S24	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028							
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q				
Expeditionary Medical Family of Systems																																
									R2EM Eng Eval																							
									ERSS AoA																							
									ERCS AoA																							

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Exhibit R-4A, RDT&E Schedule Details: PB 2024 Navy **Date:** March 2023

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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Proj 0933.L18</i>				
Reduced Morbidity and Mortality: Physiological Monitoring Sensor Systems: Technology Development and Testing	1	2022	4	2027
Human Performance: Antiemetic: Systems Development	4	2022	4	2024
Human Factors Surface Fleet OWL Tool Fatigue Meter: Systems Development	4	2024	4	2026
Medical Product Development: Medical/Dental Systems: Systems Development	4	2022	4	2028
Cabin-pressure/Decompression Sickness Test and Evaluation Capability: Systems Development	4	2022	4	2023
Human Performance: Neurocognitive Tool Development and Test & Evaluation: Systems Development	3	2024	4	2027
Expeditionary Medical Family of Systems: Role 2 Enhanced Module Engineering Evaluation	2	2023	3	2028
Expeditionary Medical Family of Systems: Expeditionary Resuscitative Surgical Systems Business Case Analysis and test and evaluation (suitability testing)	2	2023	4	2028
Expeditionary Medical Family of Systems: En Route Care System Business Case Analysis and test and evaluation (suitability testing)	1	2023	3	2028
Expeditionary Medical Family of Systems: Certified Diagnostic Mobile Laboratory Business Case Analysis and test and evaluation (suitability testing)	1	2024	4	2028
Expeditionary Medical Family of Systems: Achieve Milestone C	2	2024	2	2024
Expeditionary Medical Family of Systems: Family of Systems IOC	4	2025	4	2025

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COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
9999: Congressional Adds	248.636	26.547	13.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	288.183
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

Note

None

A. Mission Description and Budget Item Justification

Congressional Adds

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2022	FY 2023
Congressional Add: Military dental research FY 2022 Accomplishments: Continue efforts in craniofacial injury surveillance; combat dentistry; treatment of maxillofacial injury; dental disease non-battle injuries; and oral/facial disease and infection in military personnel. FY 2023 Plans: Continue efforts in craniofacial injury surveillance; combat dentistry; treatment of maxillofacial injury; dental disease non-battle injuries; and oral/facial disease and infection in military personnel.	9.653	10.000
Congressional Add: Wound Care Research FY 2022 Accomplishments: Continue to develop novel diagnostics and treatments to enhance the care of the wounded warfighter. FY 2023 Plans: N/A	9.654	0.000
Congressional Add: Autonomous Aerial Technology for Distributed Logistics FY 2022 Accomplishments: Continue Research, Development, Test and Evaluation (RDT&E) on autonomous aerial technologies distribution of medical materials to enhance medical capabilities in the distributed operational environment. FY 2023 Plans: N/A	7.240	0.000
Congressional Add: Mitigating circadian misalignment FY 2022 Accomplishments: N/A FY 2023 Plans: Initiate research on mitigating circadian misalignment.	0.000	3.000
Congressional Adds Subtotals	26.547	13.000

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C. Other Program Funding Summary (\$ in Millions)

N/A

Remarks

D. Acquisition Strategy

None

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Navy **Date:** March 2023

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Product Development (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Congressional Add - Wound Care Research	Various	Various : Not Specified	75.376	9.654	Sep 2022	0.000		0.000		-		0.000	0.000	85.030	-
Congressional Add - Military Dental Research	Various	Various : Not Specified	28.265	4.827	Jul 2022	5.348	Apr 2023	0.000		-		0.000	0.000	38.440	-
Congressional Add - Military Dental Research	MIPR	USAISR Dental & Craniofacial Trauma Research Dir. : San Antonio, TX	27.946	4.826	Jul 2022	4.652	Jul 2023	0.000		-		0.000	0.000	37.424	-
Congressional Add - Hypoxia Research (C0232)	Various	Various : Not Specified	4.828	0.000		0.000		0.000		-		0.000	0.000	4.828	-
Congressional Add - Aircrew Mounted Physiological Sensors (C0233)	Various	Various : Not Specified	2.897	0.000		0.000		0.000		-		0.000	0.000	2.897	-
Congressional Add - Hypoxia Research (C471)	Various	Various : Not Specified	4.827	0.000		0.000		0.000		-		0.000	0.000	4.827	-
Congressional Add - Physiological Episodes Research (C562)	Various	Various : Not Specified	4.827	0.000		0.000		0.000		-		0.000	0.000	4.827	-
Congressional Add - Autonomous Aerial Technology for Distributed Logistics (C592)	Various	Various : Not Specified	7.240	7.240	Dec 2022	0.000		0.000		-		0.000	0.000	14.480	-
Congressional Add - ETEC Enteric Disease Research (C609)	Various	Various : Not Specified	9.654	0.000		0.000		0.000		-		0.000	0.000	9.654	-
Congressional Add - Mitigating Circadian Misalignment (C891)	Various	Various : Not Specified	0.000	0.000		3.000	May 2023	0.000		-		0.000	0.000	3.000	-
Congressional Adds	Various	Various : Not Specified	82.776	0.000		0.000		0.000		-		0.000	0.000	82.776	-
Subtotal			248.636	26.547		13.000		0.000		-		0.000	0.000	288.183	N/A

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2024 Navy **Date:** March 2023

Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604771N / <i>Medical Development</i>	Project (Number/Name) 9999 / <i>Congressional Adds</i>
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 9999				
Military Dental Research (2896C): Schedule Detail	1	2022	4	2024
Wound Care Research (C210): Schedule Detail	1	2022	4	2023
Autonomous Aerial Technology for Distributed Logistics (C592): Schedule Detail	1	2022	4	2023
ETEC Enteric Disease Research (C5609): Schedule Detail	1	2022	4	2022
Mitigating Circadian Misalignment (C891): Schedule Detail	2	2023	4	2024