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

Appropriation/Budget Activity 0130: <i>Defense Health Program I BA 2: RDT&E</i>	R-1 Program Element (Number/Name) PE 0605039DHA / <i>DoD Medical Information Exchange and Interoperability</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	10.157	0.000	10.156	8.013	0.000	8.013	8.173	8.337	8.504	8.674	Continuing	Continuing
458A: <i>Defense Medical Information Exchange (DMIX) / Enterprise Intelligence and Data Solutions (EIDS)</i>	10.157	0.000	10.156	8.013	-	8.013	8.173	8.337	8.504	8.674	Continuing	Continuing

Note

FY23 transfer from BA-08: Software and Digital Technology Pilot Programs.
 FY24-28 funding realigned from BA-08 to comply with congressional direction to refrain from starting any new Software Pilot Programs.

A. Mission Description and Budget Item Justification

DoD Medical Information Exchange (DMIX) –The Defense Medical Information Exchange (DMIX) Program supports the seamless exchange of standardized health data among Department of Defense, Department of Veterans Affairs, other federal agencies, private sector healthcare providers, and benefits administrators. DMIX provides the capability for healthcare providers to access and view comprehensive and current patient health records from a variety of data sources which enable healthcare providers to responsively make more informed patient care decisions.

Enterprise Intelligence & Data Solutions (EIDS) – The EIDS program supports MHS strategic goals and facilitates informed decision-making through the delivery of vital information services and data in a timely, relevant, and actionable manner. EIDS has become the nexus of all Military Health System (MHS) secondary data and the core data broker and provider for most clinical and operational medical systems across the enterprise. The EIDS PMO strives to execute the DHA Data Vision of providing seamless data services and decision support for clinicians, patients, beneficiaries, analysts, researchers, and DoD leadership to improve patient care through the MIP. EIDS Military Health System Information Platform (MIP) enclave integrates over 130 data sources, 50+ clinical registries and rationalized over 22 data warehouses, 18 applications over the last 4 years. In addition, it supports a set of DoD legacy systems and projects that aim to increase data interoperability and access to electronic health data via digital health hub serving up health care data to DoD and Federal partners. The MIP provides a core clinical research platform for self-service business intelligence and is building an artificial intelligence and machine learning workbench. Additionally, EIDS is building the first secure cloud-based genomics platform for the DoD. A fully funded EIDS initiative brings together data, information technology, and data science, delivering analytics-driven insights for customers driving towards prescriptive analytics, all while meeting the Congressional intent of a fully interoperable health record.

Program transferred from program element 0308608DHA DoD Medical Information Exchange and Interoperability (DMIX) / Enterprise Intelligence and Data Solutions (EIDS) in Budget Activity 08.

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B. Program Change Summary (\$ in Millions)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Previous President's Budget	0.000	0.000	8.013	-	8.013
Current President's Budget	0.000	10.156	8.013	-	8.013
Total Adjustments	0.000	10.156	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	10.156			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			

Change Summary Explanation

FY23 transfer from BA-08: Software and Digital Technology Pilot Programs.

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Defense Health Agency										Date: March 2023		
Appropriation/Budget Activity 0130 / 2					R-1 Program Element (Number/Name) PE 0605039DHA / DoD Medical Information Exchange and Interoperability				Project (Number/Name) 458A / Defense Medical Information Exchange (DMIX) / Enterprise Intelligence and Data Solutions (EIDS)			
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
458A: Defense Medical Information Exchange (DMIX) / Enterprise Intelligence and Data Solutions (EIDS)	10.157	0.000	10.156	8.013	-	8.013	8.173	8.337	8.504	8.674	Continuing	Continuing

A. Mission Description and Budget Item Justification

DoD Medical Information Exchange and Enterprise Intelligence & Data Solutions (DMIX/EIDS) Program Management Office PMO will be spending FY24 allocations on development and sustainment of data sources for the Defense Health Agency. DMIX/EIDS supports MHS strategic goals and facilitate informed decision-making through the delivery of robust information services and data in a timely, relevant, and actionable manner. DMIX/EIDS PMO strives to execute the DHA Data Vision of providing seamless data services and decision support for clinicians, patients, beneficiaries, analysts, researchers, and DoD leadership to improve patient care. The PMO manages a vast array of data-related assets, including data warehouses, data virtualization tools, visualization solutions (e.g. CarePoint) and data exchange solutions that in combination makes up a system of systems - Military Health System Information Platform (MIP). DMIX/EIDS focuses on delivering, connecting, and curating data to facilitate informed decision-making across a diverse data ecosystem.

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

	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Title: Defense Medical Information Exchange (DMIX) / Enterprise Intelligence and Data Solutions (EIDS)	0.000	10.156	8.013	0.000	8.013
Description: Comprised of the infrastructure and services needed to provide seamless integrated sharing of electronic health data between the DoD, VA, other Federal agencies, and private sector partners that is viewable to DoD and VA providers through a joint viewer.					
FY 2023 Plans: Manage the development of new capabilities to support DHAs Data Vision, examples include Biosurveillance and Genomics. New capability development also supports continued portfolio rationalization efforts, examples include Joint Trauma Systems and DoD Trauma Registry consolidation.					
FY 2024 Base Plans: For FY24, the EIDS PMO will leverage a consortium of industry partners with specific expertise in developing innovative solutions in Genomics and leveraging machine learning to achieve patient impacting outcomes. Ongoing development of the MIP platform will ensure integration of actionable, ethical Human Genomics research.					
FY 2024 OCO Plans:					

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B. Accomplishments/Planned Programs (\$ in Millions)	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> The reduction from FY23 to FY24 is a result of the completion of the EIDS DEVSECOPS & CI/CD Pipeline and the shift to Genomics solution development.					
Accomplishments/Planned Programs Subtotals	0.000	10.156	8.013	0.000	8.013

C. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024 Base</u>	<u>FY 2024 OCO</u>	<u>FY 2024 Total</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• BA-1: PE 0807788: DoD Medical Information Exchange and Interoperability (DMIX)	118.250	131.612	132.934	0.000	132.934	141.079	107.774	120.495	122.941	Continuing	Continuing

Remarks

D. Acquisition Strategy

Evaluate and use the most appropriate business, technical, contract and support strategies and acquisition approach to minimize costs, reduce program risks, and remain within schedule while meeting program objectives. Strategy is revised as required as a result of periodic program reviews or major decisions. PEO DHMS is an acquisition organization, reporting to the Under Secretary of Defense for Acquisition and Sustainment.