

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Defense Health Agency **Date:** April 2022

Appropriation/Budget Activity 0130: <i>Defense Health Program I BA 8: Software and Digital Technology Pilot Programs</i>	R-1 Program Element (Number/Name) PE 0308604DHA / <i>DoD Medical Information Exchange and Interoperability (DMIX) / Enterprise Intelligence and Data Solutions (EIDS)</i>
--	---

COST (\$ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
Total Program Element	0.000	0.000	0.000	137.356	0.000	137.356	136.357	144.545	111.305	124.018	Continuing	Continuing
864: <i>DoD Medical Information Exchange and Interoperability (DMIX) / Enterprise Intelligence and Data Solutions (EIDS)</i>	-	0.000	0.000	137.356	-	137.356	136.357	144.545	111.305	124.018	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Defense Health Agency requires a fully rationalized, affordable, and modernized Military Health System Information Platform (MIP) program under the directorate and ownership of Enterprise Intelligence and Data Solutions Program Management Office (EIDS).

EIDS mission is to provide a comprehensive solution capable of supporting the evolving clinical and business data needs within DHA, spanning across DHHQ, clinical markets, Military Treatment Facilities, research communities, managed support contractors, combatant commands, and Health Information Exchange partners including Veterans Affairs (VA) and other Federal entities. To achieve better clinical outcomes, EIDS must transform into a Highly Reliable Organization (HRO). To serve as an effective HRO, EIDS must be a learning organization by using analytics and metrics to define and grow from lessons learned. Effective data analytics require data maturity goals and unwavering stakeholder support of the way forward.

DMIX Purpose: Comprised of infrastructure and services needed to provide seamless integrated sharing of electronic health data between the Department of Defense (DoD), Veteran’s Affairs (VA), other Federal agencies, and private sector partners viewable to DoD and VA providers.

DMIX/EIDS FY 2023 BA08: Continue sustainment and maintenance of EIDS including program management, configuration management, technical refresh, commercial software licenses, data maintenance, ad hoc report maintenance, product/help desk support, cybersecurity compliance, software maintenance, test and evaluation activities, and cost of operating site personnel.

Increase activities consistent with best practices for Data Management and Data Architecture in order to reduce costs and enhance productivity. Establish innovative center of excellence for configuration management, requirements management, and version control of data, source code, and procedural instructions. Adhere to a path to Software Engineering Institute (SEI) Capability Maturity Model (CMM) level 4 or 5 compliance, again with the focus on reducing cost and increasing productivity.

Funding will be used for continued development and sustainment activities for seamless integrated sharing of electronic health data between the Department of Defense (DoD), the Department of Veterans Affairs (VA), other Federal agencies, and private sector partners viewable to DoD and VA providers.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Defense Health Agency **Date:** April 2022

Appropriation/Budget Activity	R-1 Program Element (Number/Name)
0130: <i>Defense Health Program I BA 8: Software and Digital Technology Pilot Programs</i>	PE 0308604DHA / <i>DoD Medical Information Exchange and Interoperability (DMIX) / Enterprise Intelligence and Data Solutions (EIDS)</i>

B. Program Change Summary (\$ in Millions)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Previous President's Budget	0.000	0.000	137.356	-	137.356
Current President's Budget	0.000	0.000	137.356	-	137.356
Total Adjustments	0.000	0.000	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			

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

Project: 864: *DoD Medical Information Exchange and Interoperability (DMIX) / Enterprise Intelligence and Data Solutions (EIDS)*

Congressional Add: *Defense Medical Information Exchange and Interoperability (DMIX) / Enterprise Intelligence and Data Solutions (EIDS)*

Congressional Add Subtotals for Project: 864

Congressional Add Totals for all Projects

	FY 2021	FY 2022
	0.000	0.000
Congressional Add Subtotals for Project: 864	0.000	0.000
Congressional Add Totals for all Projects	0.000	0.000

Change Summary Explanation

Invited to participate in Test Pilot Program that subsequently changed FYD23 through the next 5 years (FY23-FY27)

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Health Agency **Date:** April 2022

Appropriation/Budget Activity 0130 / 8	R-1 Program Element (Number/Name) PE 0308604DHA / DoD Medical Information Exchange and Interoperability (DMIX) / Enterprise Intelligence and Data Solutions (EIDS)	Project (Number/Name) 864 / DoD Medical Information Exchange and Interoperability (DMIX) / Enterprise Intelligence and Data Solutions (EIDS)
--	--	--

COST (\$ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
864: DoD Medical Information Exchange and Interoperability (DMIX) / Enterprise Intelligence and Data Solutions (EIDS)	-	0.000	0.000	137.356	-	137.356	136.357	144.545	111.305	124.018	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

- EIDS will be spending FY23 allocations on development and sustainment of data sources for the Defense Health Agency. Enterprise Intelligence & Data Solutions Program Management Office 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. 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.
- 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).
- Delivering, connecting, and curating data to facilitate informed decision-making across a diverse data ecosystem in support of Military Health, Readiness, Federal Health Data Integration and Innovation.

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

	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Title: Defense Medical Information Exchange and Interoperability (DMIX) / Enterprise Intelligence and Data Solutions (EIDS)	0.000	0.000	137.356	0.000	137.356
Description: • EIDS will be spending FY23 allocations on development and sustainment of data sources for the Defense Health Agency. Enterprise Intelligence & Data Solutions Program Management Office 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. 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. • 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).					

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Health Agency		Date: April 2022
Appropriation/Budget Activity 0130 / 8	R-1 Program Element (Number/Name) PE 0308604DHA / DoD Medical Information Exchange and Interoperability (DMIX) / Enterprise Intelligence and Data Solutions (EIDS)	Project (Number/Name) 864 / DoD Medical Information Exchange and Interoperability (DMIX) / Enterprise Intelligence and Data Solutions (EIDS)

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
<p>• Delivering, connecting, and curating data to facilitate informed decision-making across a diverse data ecosystem in support of Military Health, Readiness, Federal Health Data Integration and Innovation.</p> <p>FY 2022 Plans: N/A</p> <p>FY 2023 Base Plans: FY 2023 Plans:</p> <ul style="list-style-type: none"> • Realign to support Product and Portfolio management structure to accomplish EIDS mission, implement new DevSecOps approach with project management trainings and supporting documentation • Work in tandem with EIDS PM to define DHA Data Strategy for primary and secondary systems as well as both clinical and non-clinical systems Develop product roadmap with Health Informatics, LPDH, HealthIntent/Registries/Care, JOMIS and DHMSM • Collaboration with DHMSM, HI, JOMIS, and DMIX components to develop integrated view of the key milestones • Coordinate and align with JOMIS on secondary data stores and analytics to ensure duplication of effort does not occur • Determine EIDS products to assign Data Solution Owners with CHIO • Release and integrate Digital Service Catalog on CarePoint for all users • Formalize and standardize requirements process including Service Now (GSC) and MHS Requirements Submission Portal (MHSRSP) and ensure end-user communication and coordination • MIP-Immunization Tracking and Reporting project completion and DEERSi rationalization • LDCS continues to rationalize and decommission legacy systems, adding CDR to scope • Operation Helios - Execute M2/MDR rationalization, migration and modernization into the MIP • DMSS rationalization / biosurveillance platform integration • Develop MIP Minute Awareness Campaign • Receive way forward from HI on that requirements for what data needs to go into the longitudinal record from legacy data • Identification of bidirectional feeds between MHS GENESIS and MIP (exploring BDE 3.0 and HIDUU) • Data Mapping Project and MIP/HealthIntent data standardization 					

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Health Agency	Date: April 2022
---	-------------------------

Appropriation/Budget Activity 0130 / 8	R-1 Program Element (Number/Name) PE 0308604DHA / DoD Medical Information Exchange and Interoperability (DMIX) / Enterprise Intelligence and Data Solutions (EIDS)	Project (Number/Name) 864 / DoD Medical Information Exchange and Interoperability (DMIX) / Enterprise Intelligence and Data Solutions (EIDS)
--	--	--

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
<ul style="list-style-type: none"> • Complete RDT&E Operation Fast Forward projects (SDK, Data Quality/BDE 3.0, MLaaS, MD Clone, De-identified and Synthetic data, VDE, CICD) Continue to foster growth and inclusion in our organization to empower our people • DES integration and collaboration with ACS-DAL technical team for analysis in developing a future state and associated COA • Enabled Joint Health Information Exchange Simplified XML within DES • LDCS / DES FHIR interface • DMIX Release 10, Patch 1 (DES to query MHS GENESIS FHIR API service to retrieve Allergy, Procedures, Problem List, Inpatient and Outpatient Medication) • CHDR NextGen completion <p>FY 2023 OCO Plans: N/A</p> <p>FY 2022 to FY 2023 Increase/Decrease Statement: inflationary adjustment</p>					
Accomplishments/Planned Programs Subtotals	0.000	0.000	137.356	0.000	137.356

	FY 2021	FY 2022
Congressional Add: Defense Medical Information Exchange and Interoperability (DMIX) / Enterprise Intelligence and Data Solutions (EIDS)	0.000	0.000
FY 2021 Accomplishments: N/A		
FY 2022 Plans: N/A		
Congressional Adds Subtotals	0.000	0.000

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

Remarks
N/A

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Health Agency		Date: April 2022
Appropriation/Budget Activity 0130 / 8	R-1 Program Element (Number/Name) PE 0308604DHA / <i>DoD Medical Information Exchange and Interoperability (DMIX) / Enterprise Intelligence and Data Solutions (EIDS)</i>	Project (Number/Name) 864 / <i>DoD Medical Information Exchange and Interoperability (DMIX) / Enterprise Intelligence and Data Solutions (EIDS)</i>

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.