

Pillar Program Function Review Clinical Informatics

VA



U.S. Department of Veterans Affairs

Veterans Health Administration
Digital Health Office

Jonathan R. Nebeker, MS, MD
CMIO, Veterans Health Administration
Executive Director, Clinical Informatics

OCI Leadership Team



Dr. Jonathan Nebeker, M.S., MD

**VHA Chief Medical Informatics Officer and
Executive Director, Clinical Informatics**



Dr. Jacob Aaronson, D.O., M.S.

Interim Chief, Clinical Informatics Solutions



Vacancy

Chief, Platform Informatics



Dr. Lisa I. Backus, MD, Ph.D.

Executive Director, Population Health Informatics



Kellie Condon, Ph.D.

Deputy, Office of Clinical Informatics

DH Pillar Program Function Overview

VA



U.S. Department of Veterans Affairs
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Mission: Advance an enterprise standard of care and experience for Veterans and clinical staff through information and process management.

Website links:

- [OCI Staff Home Site](#)
- [EHRM Resource Portal](#)
- [HI CoP](#)



Program Overview

- OCI has a spectrum of technical and program-management capabilities that support the best use of information technology and associated processes in clinical care.
- **Key Functions:** Clinical solution management; Integrated Health Practices; field informatics competency; informatics safety; community information standards, and informatics policy.



Key Stakeholders/Partners

- OCI collaborates with offices across both the VA and VHA on major programs that impact how our Providers deliver care.
- USH, AUSHs, EHRM-IO, OCLA, OIT, OCTO, Network /Directors, EES, and all other offices across VHA.

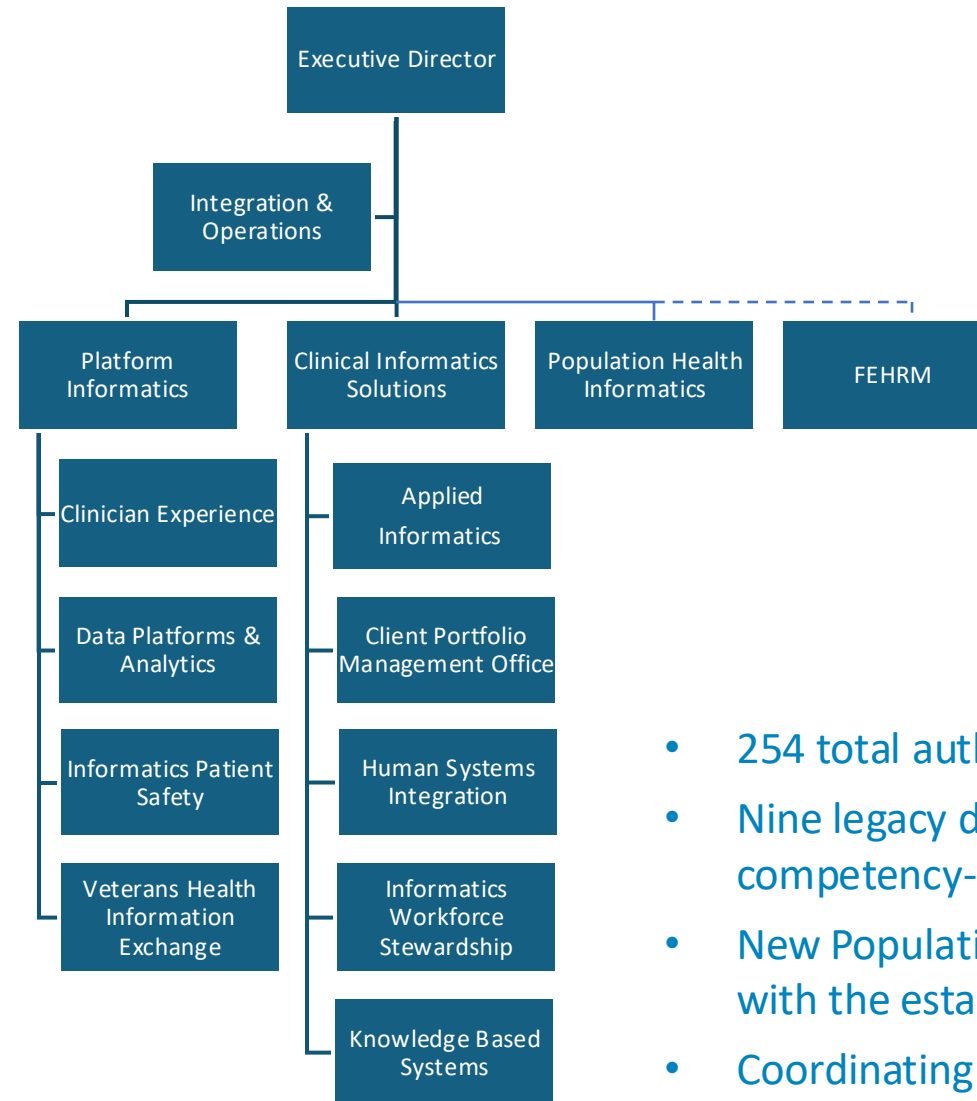


Legislative Mandates

- ***H.R.4366 - Consolidated Appropriations Act, 2024:*** Major VA funding bill with financial implications on priorities based on funding levels and reporting requirements regarding EHRM.
- **VA Electronic Health Record Transparency Act of 2021:** Cost report requirements and performance metric reports, including surveys.

Organizational Overview

184 staff strong and recruiting, OCI works across the entire field of health informatics – supporting our providers and Veterans through innovation in technologies, methods, and knowledge.



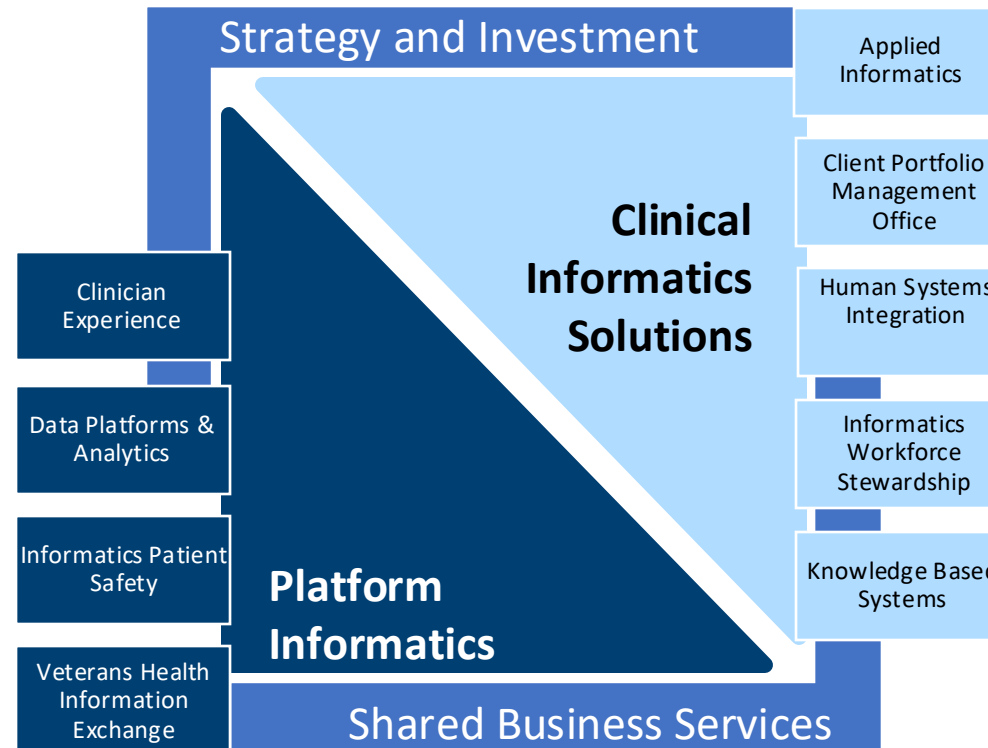
- 254 total authorizations
- Nine legacy divisions arranged in competency-based pillars
- New Population Health Informatics pillar with the establishment of DHO
- Coordinating relationship with the FEHRM

Competency Alignment

OCI structure organizes competencies into technology agnostic & tech-specific collections under two SES-led pillars.



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Platform Informatics

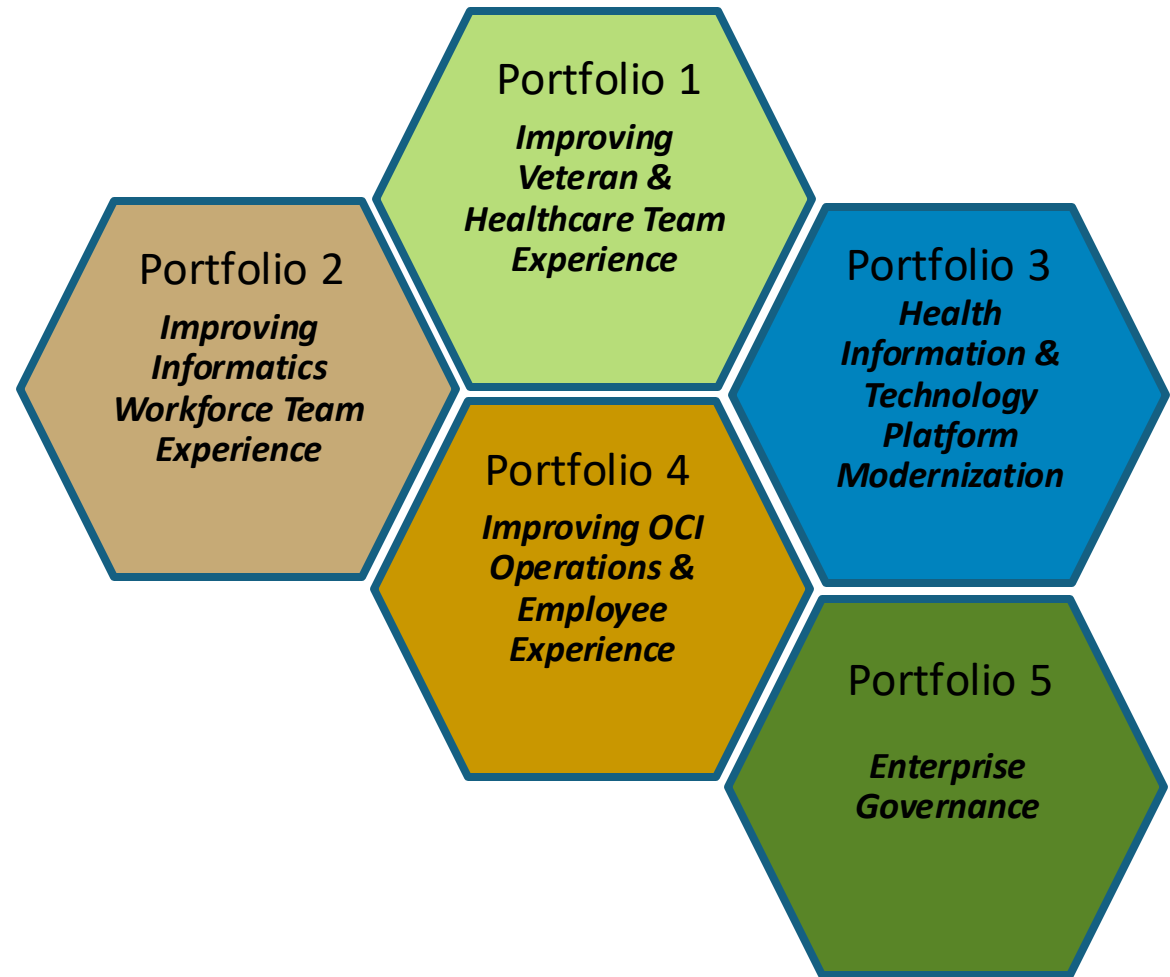
- Divisions with sharpened focus on IT platforms
- Focus on co-managing the IT solutions with OIT to deliver the software/system/IT platform

Clinical Informatics Solutions

- Divisions with focus on informatics issues
- Focus on managing integrated solution, intake, design, and field implementation (some involving OIT)

Portfolios Overview

OCI programs and projects are divided across five portfolios of key work that are focused on value streams and cross-Division collaboration.



Portfolio 1

Improving Veteran & Healthcare Team Experience

OCI Program	Product/Service	Impact	Frequency	S	D
1.1 Integrated Health Practice	Agile Release Train (ART) Creating solutions to clinical problems prioritized by clinical leadership.	<ul style="list-style-type: none"> 13 Lean Business cases with 52 Features in the last year. New template to aid in monitoring and retrieval of Digital Divide devices compliance increased from 51% to 89%. Pre-implementation guide for ECFax resulted in smoother OIT launches. 	Quarterly		
	National Clinical Reminders and Templates (NCRT) Standardizing clinical decision support tools and lightening the load of creation on sites.	<ul style="list-style-type: none"> Since August 2023 - 52 update/new templates released, 14 in progress, 460+ to maintain. Since August 2023 - 30 update/new reminders released, 1 in progress, 65 to maintain. Oncology has released 14 reminder dialogs standardizing the VHA approach to care for lung, esophageal, and head/neck cancer in 2024. 	PRN Avg 1-2/week		
	CPRS Enhancement Training Field education for periodic OIT CPRS updates, enhancements/ features, office hours training and resources for facilities.	<ul style="list-style-type: none"> Version 32C deployed in 2023 and version 33SWD is expected to release in the next month V33SWD has 21 training tools created for use by the facilities and has had two office hours for training thus far. 	PRN Avg 2-3 releases per year		
	Health Informatics Transition Team (HITT) Supports the informatics team at each site in the transition window to develop, manage, and execute effective transition.	<ul style="list-style-type: none"> 28 transition tasks per site plus additional connection and coverage 104 VistA/CPRS support request and 132 user support requests were completed during FHCC transition over two weeks spent covering entirely for the local informatics staff during Super User training 	Ongoing during deployments (one in 2024)		
	VistA Resource Support Pool (VSRP) Supports nationally released CPRS utilities and sites with informatics needs due to staffing issues, training gaps, or other concerns.	<ul style="list-style-type: none"> 353 requests received in the last year, supporting 20 sites across 10 VISNs Developed 3D printing Interfacility Consult utility supporting Office of Advanced Manufacturing nationally release to all sites. Reconfigured the West Texas VAHCS CPRS consult hierarchy, allowing for greater visibility to information with fewer tab switches 	PRN Avg 6-7 requests per week		

Portfolio 1

Improving Veteran & Healthcare Team Experience

OCI Program	Product/Service	Impact	Frequency	S	D
1.2 HI&T Implementation & End User Engagement	EHRM Facility and VISN Support Structure Development: Ensures readiness and adoption of EHR systems, developing key support structures, and measure/control sites' ability to maintain necessary support structures.	Develops and manages programs (KSA's) for key facility stakeholders adopting the Federal EHR.	Daily		
	Organizational Readiness Assessment Focuses on evaluating the preparedness of our facilities for the transition to new workflows, support structures and their processes, for the new EHR.	This service systematically evaluates, reports on readiness, and directly aligns interventions with identified gaps, thereby enhancing user confidence and competence in navigating the EHR landscape.	Daily		
	Change Management Competency This service offers comprehensive change management courses, to include PROSCI practitioner classes, designed to enhance the change management competencies of facility support structures and personnel.	Delivers to staff: Curriculum Development; Participant Enrollment and Management; Hands-On Workshops and Simulation; Assessment and Completion; Post-Training Support and Resource.	Daily		
	User Satisfaction Surveys <ul style="list-style-type: none"> Gauge general sentiment with current clinical UX, including components attributed to EHRM, other health IT tools, and standardization initiatives Assess the impact of EHRM's Reset interventions (including tech improvements) by comparing results to previous administrations and comparative health system results of KLAS survey items 	<ul style="list-style-type: none"> Collects key data to inform VHA and VA leadership on decisions regarding the EHRM effort. Key survey results influence communications and strategy campaigns 	3/year		

Portfolio 1

Improving Veteran & Healthcare Team Experience

OCI Program	Product/Service	Impact	Frequency	S	D
1.3 Workflow Design, Systems Engineering & Human Centered Design	Usability Assessments <ul style="list-style-type: none"> Improved national products usability to increase efficiency, effectiveness, satisfaction through standardized template creation and dissemination 	~15 recommendations and improvements per template, approximately 120 templates per year)			
	Clinical Workflow Assessments <ul style="list-style-type: none"> Assessments identify bottlenecks, streamline operations, and ensure optimal use of resources, resulting in more efficient workflows. 	Enhances the efficiency and effectiveness of patient care process.	On Demand		
1.4 Patient Safety Assessment & Monitoring	Management of VHA national repository of informatics patient safety issues <ul style="list-style-type: none"> Liaison with EHRM-IO, Oracle Health, NCPS and others Standardized risk assessment, two-person review, final risk score to all IPS issues reported in VHA Triage & categorization of issues to facilitate escalation, analysis & improvement 	Current repository of 6,365 issues. 923 evaluated in the last year 20 days average spent on each risk (well below 37-day target benchmark) 52 EHRM (OH) high-risk, high-vis issued since Aug, 2022. 14.5 day avg. investigation.	Daily		
	Predictive Analytics <ul style="list-style-type: none"> Response to hazards before they become issues Partnerships with DPA, Clinical Data Quality & non-VA entities such as Oak Ridge Nat'l lab, MITRE, & University of Utah Leading VHA effort to implement CPOE assessment tool 	Significant opportunity for system improvements revealed	Daily		

Portfolio 1

Improving Veteran & Healthcare Team Experience

OCI Program	Product/Service	Impact	Frequency	S	D
1.5 CDS Design & Implementation	Delivery of standards-based CDS content and capabilities to VA clinical providers	Nationwide distribution of standardized clinical capabilities and content to improve care, quality, and efficiency. Impacts every site and over 100,000 providers per month.	Monthly		
	VA's CDS Console <ul style="list-style-type: none"> Designed to provide SMART-on-FHIR CDS capabilities to clinicians using VistA or Oracle Health. Since January 2023 (majority of activity gained during the past year) 10 Apps in production were used by 17,000 unique VA providers viewing a total of 932,000 patient records across 138 VA Stations. 	Monthly patient views increased from 39k in June '23 to 75k in June '24 Monthly unique users increased from 1,500 in June '23 to 3,000 in June '24			
	Standards based clinical content for CDS consult request templates, consult fulfillment templates and patient management dashboards <ul style="list-style-type: none"> (e.g., Chronic Kidney Disease (CKD) Panel Management Dashboard, CKD consult requests, and NEXCESS IFC consults) 	FY24 - 66 CDS content "artifacts" created <ul style="list-style-type: none"> Enhances VA's ability to create and nationally deploy standardized and standards CDS artifacts to improve care, quality, and efficiency 	Ongoing		
	Clinical Analysis Consultations <ul style="list-style-type: none"> KBS provides expert informatics consultative support to define CDS related problems and analyze alternative solutions. 	In FY24, 22 PI and AoA reports including: <ul style="list-style-type: none"> Consult Referral Management EHRM Order Standardization Pain points GI Referral Coordination Initiative Menu Standardization UX/UI Effective use of Business Processing Management (BPM) to improve VA clinical workflows. Consult Evaluation Tool 	Ongoing		

S = Sustainment Activity D = Development Activity

Portfolio 1

Improving Veteran & Healthcare Team Experience

OCI Program	Product/Service	Impact	Frequency	S	D
1.6 Terminology Design & Implementation	Data Maps <ul style="list-style-type: none"> Creates and maintains data maps used for virtually all clinical data exchange among VA, DoD and community healthcare partners. Data maps require continual maintenance as the real-world items they represent change and the terminologies used to represent items are versioned. 	<ul style="list-style-type: none"> Hundreds of millions of structured documents, Billions of data elements PER MONTH 	Monthly		
	VistA to Community Care Data Maps (CCDA) <ul style="list-style-type: none"> In 2020, over 35% of 125 million VHA outpatient visits provided by non-VA clinicians. CCDA helps ensure continuity of high-quality care for this huge portion of VHA clinical workload. These data maps are used to map VistA data elements such as labs, vitals, medications, procedures, problems into the proper format as required by ONC Federal regulation. 	<ul style="list-style-type: none"> Created over 90 Million CCDA documents per month in FY24 FY24 tech refresh FHIR to CCDA include 360 element maps and 460 terminology maps 	PRN		
	VistA to JLV Data Maps <ul style="list-style-type: none"> JLV data maps help ensure continuity of high-quality care for dual use consumers and veterans who move between medical centers. 	Last month, KBS maps supported 136,872 unique users who viewed 7,855,726 'internal' records.	Quarterly		
	Cerner Data Migration <ul style="list-style-type: none"> Supports continuity of care for Vets receiving care at Oracle Health sites and reduces data-seeking burden for providers. 	KBS data maps used for bulk migration of 122.3 trillion rows of data and provision of ongoing post-snapshot updates.	PRN		
	VistA to Fast Healthcare Interoperability Resources (FHIR) Maps <ul style="list-style-type: none"> Maps data elements in VistA to HL7 FHIR resources including clinical data such as medications, problems, labs and reasons for encounter Used by VA Lighthouse team to deliver Veteran data to consumer/provider facing applications 	<ul style="list-style-type: none"> Used by VA Lighthouse team to deliver Veteran data to ~25 applications CY24 ~ 6000 mappings in queue, Completed 1243 VistA to FHIR data element maps and 740 terminology mappings <p>Per Month in CY24:</p> <ul style="list-style-type: none"> ~1.35 billion requests served > 156,000 unique veterans 	PRN		

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Portfolio 1

Improving Veteran & Healthcare Team Experience

OCI Program	Product/Service	Impact	Frequency	S	D
1.6 Terminology Design & Implementation (Cont.)	Common Health Data Repository Maps (CHDR) <ul style="list-style-type: none"> Used to drive cross-system drug-drug/drug-allergy alerts for patients with prescriptions in multiple systems. CHDR mappings currently being re-imagined due to the recently completed DoD transition to Oracle Health. 	Safer and higher quality of service for Veterans who receive care at more than one site.	Monthly		
	VistA to VX-130 Used for: CDW data updates (daily); Cerner Data Migration; CDW Data Loads. CY24: Health Factor (HF), vHF, VStandard code maps updated with 25 new mapped fields	<ul style="list-style-type: none"> Used for bulk migration of 122.3 trillion rows of data and provision of ongoing post-snapshot updates affecting ALL vets at OH sites CDW updates – Billions of records monthly 	PRN		
	Common Health Data Repository Maps (CHDR) Drug and Allergy Maps Used to drive cross-system drug-drug/drug-allergy alerts for patients with prescriptions in multiple systems. CHDR mappings currently being re-imagined due to the recently completed DoD transition to Oracle Health	Veterans who receive care at more than one site are safe(r) <ul style="list-style-type: none"> In one 6-month period, 118,371 total alerts and 6,632 critical drug-drug interactions CY24 H1: 307 updates to allergy reactants and allergy drug products for inbound and out bound use cases 	Monthly		
	Millennium to JLV Mapping CY24 819 clinical document titles mapped to LOINC	June 24, Monthly: <ul style="list-style-type: none"> 140,000 users OH proportion of 17,801,469 documents, progress notes and questionnaires 	TBD		

Portfolio 1

Improving Veteran & Healthcare Team Experience

OCI Program	Product/Service	Impact	Frequency	S	D
1.7 Clinical Applications Product Line	Bar Code Medication Administration (BCMA) The BCMA team supports Continuous Delivery and Release of enhancement, maintenance, defect or infrastructure releases for wearable, scannable wrist-bands for patient medication needs. This includes: <ul style="list-style-type: none"> Design and testing Validate incremental value in production testing Education, communication, and marketing 	BCMS application automates medication administration process for clinicians, nurses, and pharmacists, which improves accuracy, prevents errors, and generates online records of medication administration.	Ongoing Support		
	724 DTV- Oracle Cerner' downtime viewer software	For all clinical staff during a downtime of EHR to continue to provide patient care.	PRN		
	Consolidated Initial Operating Capability (CIOC) <ul style="list-style-type: none"> Provides virtual VistA environments with all VistA instances that can be used for testing and validation. The CIOC team maintains the testing environments, supports testing VistA releases in either a virtual or physical locations, and provides test findings and implementation education to sites. 	Provides additional subject matter expertise needed for facilities and informatics staff to ensure released software is sufficiently prepared for, tested, and working.	PRN		
	Joint Longitudinal Viewer (JLV) <ul style="list-style-type: none"> Comprehensive longitudinal record from all sites and systems in VA, DoD and participating community partners. JLV team supports continuous delivery and release of enhancement, maintenance, defect or infrastructure releases. JLV Team provides go-live support and training for users to see historical VA data from other sites, DoD, and community providers once their site transitions to the Oracle Health Electronic Health Record. 	For CPRS, CAPRI, and OH clinical and administrative users in VHA and VBA, JLV gives users highly configurable views to quickly find and review all clinical data regardless if a Veteran was seen at VA, DoD, or in the community - reducing duplicative orders of medications, imaging and laboratory tests	45 Days Deployment Cadence		
	Clinical Decision Support Collaborative (CDSC) a standards-based, context aware technology platform that takes data from multiple EHR databases to build and host clinical decision support applications, providing a common user experience across clinical apps and EHRs. CDSC supports continuous delivery and release of enhanced functionality.	Saves money on applications and features designed to improve quality, safety, and experience of healthcare that are too costly to build in VistA or are not on the EHRM priority list.	Quarterly Releases		

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Portfolio 1

Improving Veteran & Healthcare Team Experience

OCI Program	Product/Service	Impact	Frequency	S	D
1.8 Informatics Policy & Regulatory Affairs	Veteran Interoperability Pledge <ul style="list-style-type: none"> Pledge to work with community health systems to improve Veteran experience regardless of where they receive health care 	Aligned with 13 health systems who have signed the pledge to work with VA	Ongoing		
1.9 Population Health Informatics	Oracle Registries and Recommendations Solutions <ul style="list-style-type: none"> Validate, update and maintain the Registries & Recommendations 18 adult and 9 pediatric Registries with >300 measures of care deployed User education including biweekly Community of Practice sessions 	<ul style="list-style-type: none"> Facilitates adherence to evidence-based prevention and management guidelines within the Oracle clinical workflow Benefits clinical care providers and managers at all Oracle VA/DoD/USCG sites 	Ongoing		
	Clinical Case Registries (CCR) - VistA/CPRS <ul style="list-style-type: none"> Software available at all VistA sites allows users to generate customizable, local clinical and administrative reports on 52 chronic condition cohorts 	Supports health care providers and teams in organizing and prioritizing their patients and patient populations by customized clinical indicators.	Quarterly		
	Exploratory Population Health Work <ul style="list-style-type: none"> Cohort identification and outcome monitoring for selected conditions or exposures; (example: CAR-T therapy post-marketing surveillance – HHS) Comprehensive registries and external public health reporting; (example: Cancer Moonshot national cancer screening registry - CDC) Large scale population health analytics 	Pursuing 4 new inter-agency innovations to build external collaborations and improve data and information sharing with federal and state partners.	PRN -- in previous 6 months		

Portfolio 2

Improving Informatics Workforce Team Experience

OCI Program	Product/Service	Impact	Frequency	S	D
2.1 HI Competency Promotion and Career Pathways	Health Informatics Competency Promotion and Career Pathways <ul style="list-style-type: none"> Competency, Career Planning & Training (CCPT) - My IRT Deployed to 11 VISNs; 7 more by end of FY24 	Matched 120 HI Personnel with 50 Mentors in FY-to-date: increase of 181% since Q3 2023. Provided access to MyIRT (Competency-Self-Assessment tool in TMS) to 676 Facility HI Personnel at 11 VISNs .	Continuous		
	Health Informatics Classroom <ul style="list-style-type: none"> Provides training for over 2,500 clinical and non-clinical VHA staff annually. 	Demonstrated by achievement of a certificate in Health Informatics (aka VA AMIA 10x10 [698 graduates from 2012-2023 including Federal Partners]and HI Certification Prep Review [281 enrolled for Dec 2024 exam]).	Continuous		
	Enterprise Informatics Training (EITP) <ul style="list-style-type: none"> Development of Informaticists at the national level with Federal EHR expertise to support end users with informatics managed systems and services. 	Development of 100 informaticists/year to augment in-house VHA Federal EHR expertise to support end users with informatics managed systems and services.	Continuous		
	Health Informatics Leadership Training <ul style="list-style-type: none"> Given the foundational establishment of an Informatics Service at every VAMC this curriculum will focus on informatics leadership roles 	Provide to 50 additional facilities and VISN offices per year access to executive leaders and senior managers in HI	2-3 cohorts per year once developed		
	Usability Practice Guidance and Training <ul style="list-style-type: none"> Provides standards and best practices for designing intuitive interfaces, optimizing workflow, and enhancing user experience. Improvements to EHR systems. 		AMIA 10x10 2/year		

S = Sustainment Activity D = Development Activity

Portfolio 2

Improving Informatics Workforce Team Experience

OCI Program	Product/Service	Impact	Frequency	S	D
2.2 HI Team Resource Management Program (\$571,109)	HI Teaming Service <ul style="list-style-type: none"> • MOU/MOA/Teaming Development and Management • Placement and Coordination Service • E2E Experience Evaluation Service 	22 projects supported 30 personnel active and assigned to projects (as of July 2024) 52 personnel available (as of July 2024) 100% satisfaction rate	PRN		
2.3 HI Community of Practice and Messaging (\$1,516,811)	HI Community of Practice <ul style="list-style-type: none"> • Direct-to-Field Messaging Service – 390 messages in total • Integrated Master Calendar Service • Moderated Discussion Service • HI Showcase 	Enterprise coordination of work activities provides information directly to field HI workforce for action, awareness and information. Ex. Instructions on CPRS patch upload.	Daily/weekly		
2.4 VHA Field HI Program and Governance (\$1,325,614)	VHA Field HI Program and Governance <ul style="list-style-type: none"> • Develops implementation guidance for VHA Directive 1931 including standards, measures and timelines for VISNs and VAMCs. • HI Policy Development and Implementation HI Operations Guide • HI Directory and Reporting – 12 reports and dashboards designed to support decision-making in the Health Informatics field. • OHI-to-Community Updates (by the Chief Informatics Officer) 	Establishes the implementation of a standardized VHA Field Health Informatics Program and Integrated Governance at the VISN and facility level.	Referenced daily and PRN; updated quarterly PRN; updated quarterly Monthly		
	HI Staffing Toolkit <ul style="list-style-type: none"> • HI Staffing Calculator • Standardized Organizational and Functional Charts • Staffing Models • HI Business Proposal Templates • Technical Assistance Team Services 	Mitigates the shortage of competent informaticists and improves the delivery of services to our clinicians and Veterans.	On Demand / PRN		

S = Sustainment Activity D = Development Activity

Portfolio 3

Health Information & Technology Platform Modernization

OCI Program	Product/Service	Impact	Frequency	S	D
3.1 HIT/HIM Standards & Policy (\$4,118,390)	HL7 Gender Harmony Implementation Guide Technical specification and project coordination for the HL7 Gender Harmony Cross-paradigm FHIR Implementation Guide.	CHIG will help organizations implement the gender-related concepts mandate nationwide.	One time		
	SDOH Standardization Conducted environmental scan, technical analysis, and testing guidance for Standards-Based Social Determinants of Health (SDOH) Data Standardization Framework IPT. This effort directly addresses Veterans Interoperability Pledge.	Improved exchange of Social Determinates of Health and support social service referrals to community-based organizations.	One time		
	White House Cancer Moonshot Contributed subject matter expertise and guidance to the final report for the White House "Cancer Moonshot Initiative - Data and Innovation Task Force"	Improve cancer outcomes Lack of interoperability and architectural rigor are barriers to data sharing for treatment, research, analysis, patient support and outreach.	One time		
	HL7 Artificial Intelligence / Machine Learning (AI/ML) Data lifecycle Guidance The AI/ML Data Lifecycle is the first of its kind guidance for AI experts regarding the value of standards-based interoperable health data to create trusted, explainable, and reusable AI solutions.	Standardized guidance regarding AI/ML during a time of rapid, unregulated growth in the industry.	One time		

Portfolio 3

Health Information & Technology Platform Modernization

OCI Program	Product/Service	Impact	Frequency	S	D
3.2: Health Information Sharing Platform (VHIE) (\$22,056,194)	VA Exchange (joint Health Information Exchange) <ul style="list-style-type: none"> Educate VA medical center staff on use of HIE Manage VA Patient Electronic Sharing Preferences Evaluate and assure data quality of information exchanged Analysis and preparation for Qualified Health Information Network (QHIN) implementation in support of future TEFCA participation 	Increased the number of joint HIE exchange partners from 85,600 (Q1) to 101,000 partners (Q2) in FY24	Ongoing		
	VA Direct Messaging <ul style="list-style-type: none"> Provides secure, reliable communication with traceability not available via faxing Implementation support and education to VA medical center staff and VA Program Offices (e.g., IVC) Develop enterprise workflows and engagement with external health care organizations (e.g., Interoperability Pledge) 	21% increase in VAMCs using a VA Direct use workflow (FY24)	Ongoing		
	Public Health Registries: <ul style="list-style-type: none"> Support VA Program Offices to enable public health exchange from VistA and Millennium to federal and state authorities. 	Reduces clinician burden by 2 minutes for each flu vaccination auto written to VistA.	Ongoing		
	Modernization and Expansion of Health Information Exchange Solutions <ul style="list-style-type: none"> Adverse Event Notification Communicable Diseases Reporting (Lab Reporting, Case Reporting) National Healthcare Safety Network (NHSN) VA Cancer Screening Registry 	<ul style="list-style-type: none"> Modernizes reporting leveraging FHIR standards Reduces staff burden and introduces cost efficiencies 	Ongoing		

Portfolio 3

Health Information & Technology Platform Modernization

OCI Program	Product/Service	Impact	Frequency	S	D
3.3 Clinical Decision Support management platform (\$1,342,344)	Externalized CDS Catalog Abstracts and makes easily browsable, CDS configuration data, including orders sets, reminders, health factors, patient record flags, and consults from all VistA sites to provide insight into actual field implementation and allow for side-by-side comparison between sites.	The Catalog directly supports the ESI Initiative currently focused on order sets and referrals.	Ongoing		
	External CDS Environmental Scan and Analysis <ul style="list-style-type: none"> Conducted and examined both current state and industry trends, to inform VA's strategy for external CDS. Creates and deploys standards compliant, platform agnostic CDS applications that can integrate vital external clinical data. 	Directly supports the efforts of the CDS Collaborative and VA-DoD CDS strategy.	Ongoing		
3.4 Clinical Data & Terminology Management (\$2,177,539)	Clinical Terminology Tool <ul style="list-style-type: none"> Terminology content creation and maintenance for both legacy and the Federal Electronic Health Records. 	Clinical data accurately captured using well-maintained terminology to maximize its value as an enterprise asset.	Monthly, Quarterly and PRN		
3.5 Innovative Methods in Analytics (\$7,134,456)	Innovative Methods in Analytics <ul style="list-style-type: none"> Partners to develop evidence-based algorithms, tools, models, and solutions for identified gaps. Establishes the computational environment for advanced real-time analytics at the point of care. Efforts include automated hazard detection, cybernetics methods for CDS, identifying variants in care and processes across VHA 	Provides program offices access to high-performance computing environment for advanced algorithms toward improved Veteran care.	Ongoing		
	IZ Gateway Immunization Information Exchange <ul style="list-style-type: none"> VA-wide solution with CDC and states/jurisdictions for automated, electronic reporting and querying of Veteran immunization information Clinicians in VA and the community see a Veteran's complete vaccination history resulting in more timely immunizations, improved provider efficiency, patient safety and targeted interventions. 	<ul style="list-style-type: none"> Data analytics and error handling dashboards for continuous monitoring and tracking 1,122 VHA locations sharing immunization data across 47 states/jurisdictions (includes 35 VA Oracle sites) 	10-year historical VA-administered vaccination reporting in progress		

Portfolio 3

Health Information & Technology Platform Modernization

OCI Program	Product/Service	Impact	Frequency	S	D
3.6 Health Data Analytics Program (\$2,284,457)	Health Data Analytics Program <ul style="list-style-type: none"> Provides modernized cloud-based advanced analytics capabilities to VHA. Sponsored by DHO, Clinical Informatics in partnership with the OIT Data and Analytics Product Line and overseen by the VHA ITC. 18 active HDAP Self-Service projects (Facility, VISN and Program Offices) currently, 3 pending HDAP Self-Service projects and 2 active assigned business use cases in sustainment 	Provides a cloud-based advanced analytics platform for VHA staff from all levels (Facility, VISN, Program Office) to develop capabilities to address their individual business needs.	Ongoing		
3.8 Veterans Health Data Program (\$2,591,668)	VistA Application Analytics (VPA2) <ul style="list-style-type: none"> Leverage the existing VA-developed, owned and certified cloud analytics tool to audit and accelerate VistA's Point-of-Care Applications (CPRS, Imaging, Brillians, etc.) in the VA Enterprise Cloud (VAEC). 	Clinician time/efficiency improvements			

Portfolio 3

Health Information & Technology Platform Modernization

OCI Program	Product/Service	Impact	Frequency	S	D
3.7 Clinical Data & Informatics Architecture (\$4,431,698)	VHIE Laboratory Improving standardization of laboratory data transmission through HIE, which reduces the cost of repeat laboratory testing and enhancing lab data reusability.	Evaluated 142,000 laboratory results for completeness and interpretability. Identified significant variation and provided recommendations for the standardization of laboratory data transmission through HIE.	Ongoing		
	VHIE Problem List (PL) IV&V analysis of VHIE patient data to understand how to better represent a PL to ensure providers have the requisite information for accurate, reliable, and timely clinical decision support.	Improved problem list data content transmitted via VHIE enhances community care providers ability to provide quality care, enhance CDS, and mitigate provider dissatisfaction.	Ongoing		
	VHIE Medications: Evaluates medical records to improve how medication data is transferred within the VA EHRs.	Evaluated medication records from 7 VAMCs (Cleveland, Columbia, Minneapolis, Salisbury, Kernersville, St. Cloud, and Salt Lake City) and identified: <ul style="list-style-type: none"> Increases and decreases in data quality across VAMCs. Inconsistency of records between templates and pharmacy. 	Ongoing		
	Cerner Event Set Hierarchy Identified technical and organizational root causes contributing to the ESH 39% defect rate. Ongoing work will complete the analysis and offer implementable remediations – specifically designing a Safety Management System applicable to encoded data..	<ul style="list-style-type: none"> Resolving root cause of ESH challenges ensures crucial medical information will remain safe and accessible improving care for ALL OH patients. 	Ongoing		

Portfolio 4

Improving OCI Operations & Employee Experience

OCI Program	Product/Service	Impact	Frequency	S	D
4.1 Strategic PMO (\$3,195,772)	Scaled Agile Framework (SAFe) Implementation <ul style="list-style-type: none"> Creation of 6 cross-functional Agile Teams needed to improve healthcare quality, standardize healthcare Systems and integrated siloed functions across OHI Team applies SAFe to provide guidance regarding roles, responsibilities, planning and operations to align technology development with business goals. Deliver training and change management on SAFe for OHI Continued expansion: new agile teams supporting ESI and data detectives 	<ul style="list-style-type: none"> Implementation of industry standard Lean – Agile operations using best practices resulting in improved team coordination, higher efficiency, and team productivity. 23 enabling features delivered in last 6 months in support of SAFe implementation 	<ul style="list-style-type: none"> Lean Change Management agile team delivers in 2-week sprints 		
	Managerial Accounting <ul style="list-style-type: none"> Staff Effort Tracker App allowing us to map salary costs to programs Jira Align implementation developing the ability to map features delivered to cost (in progress) Development of Program OKRs, and product level KPIs (in progress) Redesign Program structure from lessons learned over last two years. 	<ul style="list-style-type: none"> Increased transparency around the relationship between work activities, outputs, outcomes, and resourcing for OCI. 	<ul style="list-style-type: none"> Delivery to aggressive IMS schedule 		
4.2 Workforce Management (\$941,627)	AES Initiatives , examples from last year include <ul style="list-style-type: none"> Invest in skill development required for office success and career growth Increase opportunities for teams to be included in decisions and strategies OCI specific peer award for outstanding customer service and mission focus 	<ul style="list-style-type: none"> 16% increase in CIDMO's best places to work score data use was 64%, increasing by 8% over last year 	Annual set of projects, 30 executed last year (one for each sections priorities)		
	Hiring Initiatives -Advocate through multiple barriers to hiring <ul style="list-style-type: none"> WMC backlog Zero Growth Initiative NCR mandate Changes to VHA strategy repeatedly derailed hiring <ul style="list-style-type: none"> OCI budget increase request finally approved to address existing budget shortfalls for approved org chart New scope added with EHRM council transition and charge memo, requiring new org chart, no resourcing provided Adjustments to DHO requirements 	<ul style="list-style-type: none"> Hiring still in progress for OCI despite multiple hurdles 27 position filled this FY 72.5% staffing as of 7/18 	Daily		

S = Sustainment Activity D = Development Activity

Portfolio 4

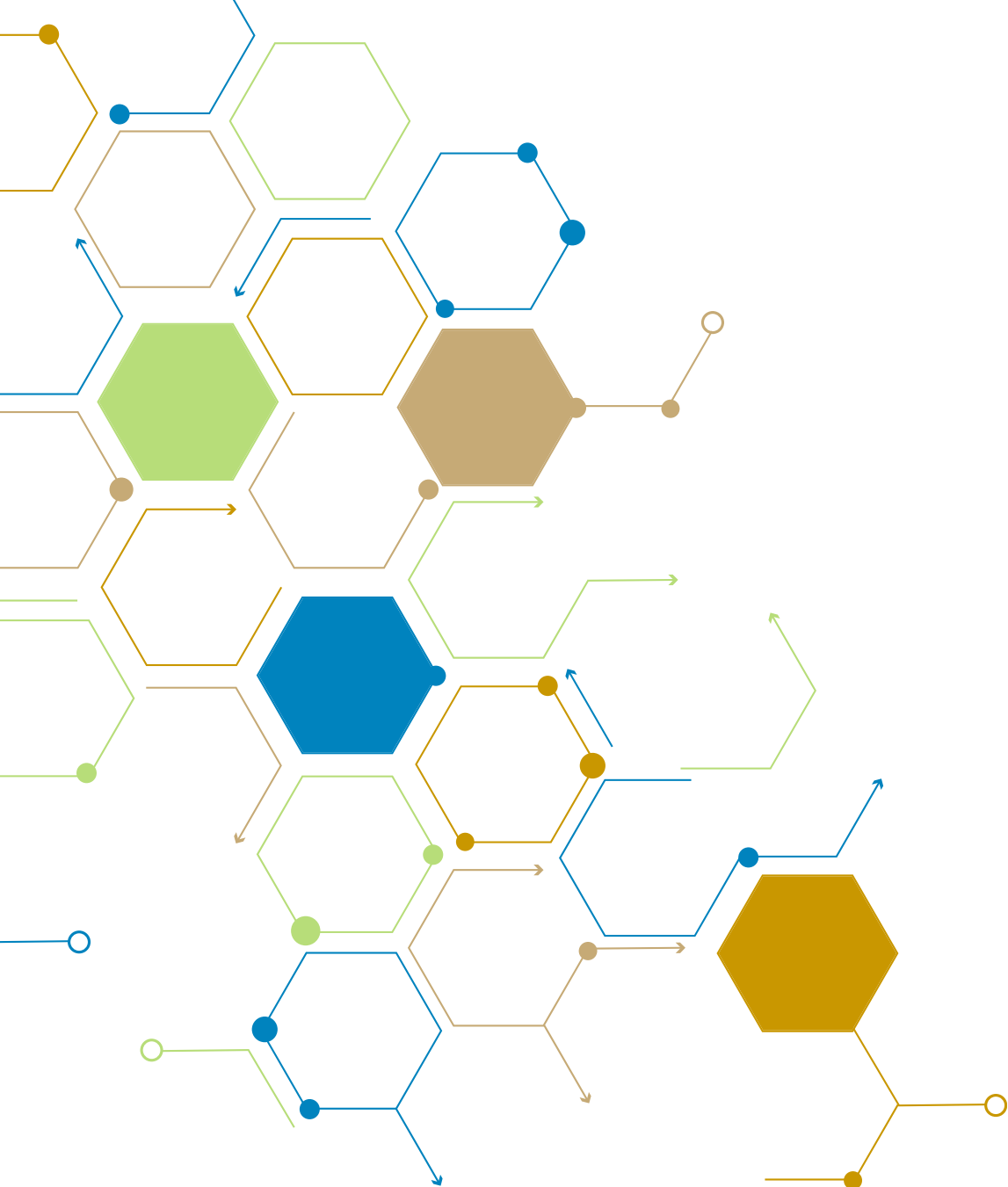
Improving OCI Operations & Employee Experience

OCI Program	Product/Service	Impact	Frequency	S	D
4.3 Knowledge Dissemination and Communication Management (\$3,995,417)	VHA EHRM Communications <ul style="list-style-type: none"> Communications coordination at the VHA Chief of Staff level Executive meeting facilitation, message maintenance EHRM Comms synchronization between VHA/OHI/EHRM-IO & other VA comms stakeholders 	Unified voice for VACO programs/leaders presenting vital info to VISN/facility leaders & end users	Daily		
	OCI Internal Communication <ul style="list-style-type: none"> Comms support for bi-weekly & ad-hoc staff messaging, monthly all-hands calls, quarterly report generation Synchronization of comms teams supporting portfolios 1-5 (IWS, CPMO, VHIE, Pop Health) Message/presentation maintenance for OCI executive staff Support for division presentations/comms to external stakeholders 	Silo-reduction and message collaboration among OCI staffs. OCI/DHO activity awareness throughout VA	Daily		
	OCI SharePoint design and maintenance (EHRM portal, ESI portal, HICOP) <ul style="list-style-type: none"> KM support for director's office functions to support OCI staff (budget, travel, comms, actions, etc.) Integration/sustainment of multiple field-facing sites (EHRM Resource Portal, Enterprise Standardization Initiative, OCI external home, support for all other field facing programs in portfolios 1-5) 	Integrated OCI SharePoint/Intranet presence for knowledge sharing in internal/external audiences	Daily		

Portfolio 5

Enterprise Governance

OCI Program	Product/Service	Impact	Frequency	S	D
5.1 Enterprise Governance (\$39,837,185)	Development and Implementation of End-To-End strategy <ul style="list-style-type: none"> Enterprise structure for functional EHRM issue escalation 	Enables resolution and decision making at the lowest level of the organization by allowing sites to resolve issues and ensure effective and efficient E2E issue resolution	Daily		
	Management of EHR Modernization (EHRM) Issues <ul style="list-style-type: none"> Stand-up of National Hub Intake, route, track escalated EHRM issues and decisions that cannot be resolved at the VISN or facility level. 	Strengthen collaboration between VHA and EHRMIO	Daily		
	Management of National EHRM Councils <ul style="list-style-type: none"> Coordination and support of 26 councils and enabling entities accountable to AUSHs Coordinate decision-making process for EHRM-related requirements and changes 	Standardized national processes, work-flows, policy, and change management to support enterprise EHRM strategy and adoption	Daily		
	Portfolio Management to support EHRM and OCI <ul style="list-style-type: none"> Integrate VHA EHRM efforts to enable transparency and seamlessness (IMS) Management of risks as early as possible by enabling coordination and collaboration among stakeholders Define and standardize program management best practices 	Effective and efficient management of portfolio and programs that support current and future EHRM deployments	Daily		



Questions?

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