JOSH GREEN, M.D. GOVERNOR KE KIA'ĀINA



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June 14, 2024

The Honorable Ronald D. Kouchi President of the Senate and Members of the Senate Thirty-Second State Legislature State Capitol, Room 409 Honolulu, Hawai'i 96813 The Honorable Scott K. Saiki Speaker and Members of the House of Representatives Thirty-Second State Legislature State Capitol, Room 431 Honolulu, Hawai'i 96813

Aloha Senate President Kouchi, Speaker Saiki, and Members of the Legislature:

Pursuant to HRS section 27-43.6, which requires the Chief Information Officer to submit applicable independent verification and validation (IV&V) reports to the Legislature within ten days of receiving the report, please find attached the report the Office of Enterprise Technology Services received for the State of Hawai'i, Department of Health, BHA Integrated Case Management System Project.

In accordance with HRS section 93-16, this report may be viewed electronically at <u>http://ets.hawaii.gov</u> (see "Reports").

Sincerely,

Tom The

Tom Ku Acting Chief Information Officer State of Hawai'i

Attachments (2)



Hawaii BHA Integrated Case Management System Project – Phase 4

IV&V Report for the period of May 1 – May 31, 2024

Final Submitted: June 14, 2024



Solutions that Matter

Agenda

Executive Summary IV&V Findings & Recommendations

Appendices

- A Rating Scales
- B Inputs
- C Project Trends





R4.6 went live on 5/30/24. While smoke testing was executed successfully on 5/31/24, users encountered a significant problem with the Calculator where they were not able to generate authorizations set to a one-time recurrence. A hot-fix to resolve the issue was deployed on Friday, 5/31/24. IV&V will monitor the progress and quality of the R4.6 deployment. There are two (2) post-production defects (high-priority), one related to Provider Portal being used for SPAM and SCAM content and the other related to Provider Portal document locations; the SI vendor is working to resolve both defects. It is yet to be determined if all three post-production defects are deployment related.

Fast Health Interoperability Resources (FHIR) Release 4.0.1 end-to-end testing is ongoing, and once complete, FHIR 4.0.1 will be deployed as part of R4.6. A Mid-Sprint-Deployment (MSD) comprised of CAMHD Provider Invoice Batch Printing and Maui Wildfire set of work items is planned between R4.6 and R4.7.

The performance test execution will commence on Tuesday, 6/4/24, and will end on Wednesday, 6/12/24. The scope of the performance test will align with the regression test cases.

A new preliminary concern was opened in May regarding the current process, which does not allow BHA to track actual costs versus budgeted costs of large functionality such as FHIR or Golden Record. By incorporating a clear process that would allow BHA to monitor costs of large functionality, BHA could maintain better financial records, and it would allow BHA to track actual versus budgeted costs.

The Analytics project kickoff meeting is scheduled for 6/04/24. The project schedule for the analytics project is expected to be delivered shortly after the project kick-off.

Mar	Apr	Мау	Category	IV&V Observations
	8	8	Sprint Planning	As of the May reporting period, IV&V has shared a Stakeholder register and RACI templates (based on best practices) for BHA to populate. Once the stakeholder registry and the RACI matrix are finalized, BHA to schedule product backlog review meetings. Per discussions regarding new functionality/features in R4.6, the SI vendor will demonstrate the FHIR and Maui Wildfire communication functionality to stakeholders - dates for the demos are yet to be finalized.
G	G	G	User Story (US) Validation	There are no active findings in the User Story (US) Validation category which remains Green (low criticality) for the May reporting period. IV&V will continue to monitor the US development and validation process in upcoming reporting periods.

Mar	Apr	Мау	Category	IV&V Observations		
Y	>	>	Test Practice Validation	R4.6 regression testing, a combination of automated and manual testing, was executed 5/17/24 - 5/29/24 and completed successfully - three (3) bugs (1 medium and 2 low priority) resulted from the testing and have been added to the backlog. Minimal progress has been made in developing and executing automated regression test cases. R4.6 went live on 5/30/24. Considering the three (3) post-production bugs including the one for which a hot fix was deployed on Friday, 05/31/2024, the project should evaluate the efficacy of regression testing. Per BHA request, IVV will validate the automated regression testing that has been done to-date. A Mid-Sprint-Deployment (MSD), comprised of CAMHD Provider Invoice Batch Printing and Maui Wildfire set of work items, is planned between R4.6 and R4.7.		
Y	Y	Y	Release / Deployment Planning	 While smoke testing was executed successfully on 5/31/24, users encountered a significant problem with the Calculator where users were not able to generate authorizations set to one-time recurrence (a hot-fix was deployed on Friday, 5/31/24) and there are two (2) other post-production bugs. It is yet to be determined if all three post-production defects are deployment-related. IV&V will monitor the progress and quality of R4.6 deployment. Fast Health Interoperability Resources (FHIR) Release 4.0.1 end-to-end testing is ongoing, and once complete, FHIR 4.0.1 will be deployed as part of R4.6. A Mid-Sprint-Deployment (MSD) comprised of CAMHD Provider Invoice Batch Printing and Maui Wildfire set of work items is planned between R4.6 and R4.7. A finding was opened in April regarding the process to update existing documents and folders on DDD's SharePoint site. The execution time for an earlier executed intensive process was unacceptable, and there is new functionality based on the same design and process. In the May reporting period, the SI vendor has engaged a SharePoint Subject Matter Expert (SME) and is currently analyzing options. IVV recommends doing an impact analysis, e.g., downstream impact. 		



Mar	Apr	May	Category	IV&V Observations	
G	G	O	OJT and KT Sessions	This category remains Green (low criticality) for the May reporting period with no active findings.	
G	G	G	Targeted KT	This category remains Green (low criticality) for the May reporting period. IV&V will continue to monitor.	
G	G	G	Project Performance Metrics	There are no project performance metrics to report for this reporting period. IV&V will keep the criticality rating for this category a Green (low criticality) and will continue monitoring this category.	
0	0	G	Organizational Maturity Assessment (OMA)	This category remains Green for the May reporting period. There are no outstanding findings in this category, and IV&V will continue to monitor.	

Mar	Apr	May	Category	IV&V Observations
	T			R4.6 went live on 5/30/24; while smoke testing was executed successfully on 5/31/24, users encountered a significant problem with the Calculator where users were not able to generate authorizations set to a one-time recurrence. A hot-fix to resolve this issue was deployed on Friday, 05/31/24.
				There are two (2) post-production defects (high priority), one related to Provider Portal being used for SPAM and SCAM content and the other related to Provider Portal document locations; the SI vendor is working to resolve both defects.
				Two (2) of the three (severity: 2 high, 1 TBD) R4.4 post-production bugs were deployed to production in R4.6. A finding (#43) related to the TBD bug was created in April 2024. IV&V will monitor the progress and quality of R4.6. An MSD comprised of CAMHD Provider Invoice Batch Printing and Maui Wildfire set of work items is planned between R4.6 and R4.7.
Y	Y	Y	Project Management	The performance test execution will commence on Tuesday, 6/4/24, and will end on Wednesday, 6/12/24. The scope of the performance test will align with the regression test cases.
				BHA discovered delays in the posting of administrative claims as far back as three years, negatively affecting reimbursements and potentially delaying the submission of IAPDU-7, which could impact funding. BHA will increase FY24 funding to account for the delayed claims postings.
				A new preliminary concern was opened in May regarding the current process, which does not allow BHA to track actual costs versus budgeted costs of large functionality such as FHIR or Golden Record. By incorporating a clear process that would allow BHA to monitor costs of large functionality, BHA could maintain better financial records, and it would allow BHA to track actual versus budgeted costs.



As of the May 2024 reporting period twelve (12) open findings were updated, and one (1) finding was opened – eight (8) Medium Issues, two (2) Medium Risks, one (1) Low Issue, and two (2) Preliminary Concerns spread across the Release/Deployment Planning, Test Practice Validation, Sprint Planning, Project Management, and Resource Management assessment areas are currently open.



Open Risks/ Issues by Category/Priority



IV&V Findings & Recommendations

IV&V Findings & Recommendations Assessment Categories

Throughout this project, IV&V verifies and validates activities performed in the following process areas:

- Sprint Planning
- User Story Validation
- Test Practice Validation
- Release / Deployment Planning
- On-the-Job Training (OJT) and Knowledge Transition (KT) Sessions
- Targeted Knowledge Transition (KT)
- Project Performance Metrics
- Organizational Maturity Assessment
- Project Management
- Resource Management

IV&V Findings & Recommendations Sprint Planning

#	Key Findings	Criticality Rating
31	 Medium Risk: Lack of regular Sprint reviews and sprint demos will likely lead to misalignments between delivered work and stakeholder needs. Finding Update: Per discussions regarding new functionality/features in R4.6, the SI vendor will demonstrate the FHIR and Maui Wildfire communication functionality to stakeholders. Dates for the demos are yet to be finalized. 	M
Recor	nmendations	Status
(R4 me ens pro	cording to Agile Best Practices, IV&V recommends including Sprint reviews and demos in future releases 4.2 and onwards) with all relevant stakeholders to assess the completion of user stories, review important trics and outcomes, and confirm if the Sprint goal has been achieved. This approach would also help sure the backlog is prioritized and well-prepared for the next Sprint. These are some recommendations for ject alignment, stakeholder engagement, quality assurance, transparency, and the incorporation of user dback.	In Progress
cha	engthen the collaboration between development teams and stakeholders by enhancing communication innels. Regularly validate project objectives and ensure that sprint deliverables remain consistent with keholder requirements	In Progress
	ster active participation from users and stakeholders during both Sprint Reviews and Sprint Demos. phasize the value of iterative feedback to guide development and ensure that user needs are consistently t.	Open



IV&V Findings & Recommendations Sprint Planning (cont'd)

R	ecommendations	Status
•	Establish standardized communication protocols for both Sprint Reviews and Sprint Demos. Encourage teams to deliver concise and informative progress reports, including achievements, challenges, and future plans. This will enhance stakeholder engagement and project transparency.	In Progress
•	Create a stakeholder register to identify all stakeholders. List their identification, assessment, and classification. Review the register regularly to plan appropriate stakeholder engagement.	In Progress
•	Institute a structured documentation process for both activities. Document key decisions, action items, and insights from each session to ensure accountability and to support ongoing process improvement.	Open



IV&V Findings & Recommendations Sprint Planning (cont'd)

#	Key Findings	Criticality Rating	
41	 Medium Risk: Absence of separate dedicated product backlog review meetings can pose several challenges for a project team. Finding Update: IV&V has shared a Stakeholder register and RACI templates (based on Best Practices) for BHA to populate. Once the stakeholder registry and the RACI matrix are finalized, BHA plans to schedule product backlog review meetings. 	M	
Recommendations			
or u	arate dedicated product backlog review meetings (during sprints) would allow clarifying any ambiguities ncertainties, re-prioritization, estimation and refinement of backlog items. This would allow the project n to avoid situations where decisions about including items Mid-sprint would have to be taken.	Open	
rele sucl	IVV recommends scheduling separate dedicated product backlog review meetings (during sprints) where all relevant stakeholders are invited to review the product backlog and scheduled at the appropriate time(s) such that there is sufficient time to plan the design, development, and implementation (DDI) of the next release(s).		



IV&V Findings & Recommendations Test Practice Validation

#	Key Findings	Criticality Rating
2	 Medium Issue: As a result of automated regression testing not being comprehensively performed, production releases are breaking and/or deprecating existing functionality in the production environment. Finding Update: R4.6 regression testing, a combination of automated and manual testing, was executed 5/17/24 – 5/29/24 and completed successfully - three (3) bugs (1 medium and 2 low priority) resulted from the testing and have been added to the backlog. Minimal progress has been made in developing and executing automated regression test cases. R4.6 went live on 5/30/24. Considering the three (3) post-production bugs including the one for which a hot fix was deployed on Friday, 5/31/24, the project should evaluate the efficacy of regression testing. Per BHA's request, IVV will validate the automated regression test scripts that have been completed todate. A Mid-Sprint-Deployment (MSD) comprised of CAMHD Provider Invoice Batch Printing and Maui Wildfire set of work items is planned between R4.6 and R4.7. 	M
Reco	nmendations	Status
reg	ving board(s) in Azure DevOps or a document on SharePoint that provides information about the status of ression testing automation, to facilitate visibility and transparency to BHA project personnel and keholders.	In Progress
 Schedule priorities should be reevaluated by distributing the work according to the resource bandwidth. This will ensure that the schedule is not impacted and that the work is done efficiently between regression testing 		



and GR.

IV&V Findings & Recommendations Test Practice Validation (cont'd)

Recommendations	Status
 Pursue and complete additional formal training in Azure DevOps and Tricentis for test automation at the earliest possible juncture and complete efforts to automate the 2 primary regression test scripts. 	In progress
 Determine if current regression testing timeframes are adequate, and if not, add more time to the pre- production regression test efforts for all release deployments. 	In Progress



IV&V Findings & Recommendations Test Practice Validation (cont'd)

#	Key Findings	Criticality Rating
40	 Medium Issue: Improvements to the testing process are needed to ensure adequate CAMHD participation and comprehensive testing of functionality prior to production deployment. Finding Update: IV&V has shared Stakeholder Register and RACI templates (based on Best Practices) for BHA to populate. 	M
Recommendations		
• Ide	entify stakeholders (output is stakeholder register) and develop a RACI matrix for testing.	In Progress
• R	eview the overall testing process and implement any needed improvements identified.	Open



IV&V Findings & Recommendations Release / Deployment Planning

#	Key Findings	Criticality Rating
43	Medium Issue: The execution time for the process for updating DDD SharePoint folders is unacceptable. Finding Update: The SI vendor has engaged a SharePoint Subject Matter Expert (SME) and is currently analyzing options.	M
Rec	ommendations	Status
• 1\	/V recommends doing an impact analysis, e.g., downstream impact.	New
is	/&V recommends DDD puts on hold any development utilizing Power Automate for the performance sue encountered in production (marked "TBD" in finding #14 related to "SharePoint Bulk Flows still running") nd related user stores, e.g., "Changes to DDD folders", and defects.	Open
• 1\	/&V recommends evaluating other feasible options, e.g., leveraging SharePoint tools and best practices.	Open
• A	project issue should be opened to identify and manage the resolution of this issue.	Open



IV&V Findings & Recommendations Release / Deployment Planning (cont'd)

#	Key Findings	Criticality Rating
39	 Low Issue: Due to ongoing deployment processes and technical execution issues, the Project may continue to encounter defects and challenges, e.g., when releases are in production or in meeting projected timelines for production and non-production deployments. Finding Update: R4.6 went live on 5/30/24. While smoke testing was executed successfully on 5/31/24, users encountered a significant problem with the Calculator where users were not able to generate authorizations set to a one-time recurrence(a hot-fix was deployed on Friday, 5/31/24) and there are two (2) other post-production bugs. It is yet to be determined if all three post-production defects are deployment-related. IV&V will monitor the progress and quality of the R4.6 deployment. Fast Health Interoperability Resources (FHIR) Release 4.0.1 end-to-end testing is ongoing, and once complete, FHIR 4.0.1 will be deployed as part of R4.6. MSD comprised of CAMHD Provider Invoice Batch Printing and Maui Wildfire set of work items is planned between R4.6 and R4.7. 	6
Rec	ommendations	Status
fa	The Project should consider automating deployments for resource savings, increased efficiency, consistency, aster time to market, improved collaboration and reliability, scalability, version control integration, and rollback apability.	Open
r	Ensure there are adequate and qualified resources to support the current deployment processes. This may equire the support from RSM resources to provide assistance and knowledge transfer for some of the more omplex deployment components.	Open
• A	as appropriate, consult with RSM on best practices that BHA could employ to support deployment.	Open



IV&V Findings & Recommendations Release / Deployment Planning (cont'd)

Recommendations	Status
 Request the assistance of the RSM Solution Architect in reviewing and correcting issues associated with the consistency of configurations across environments, ensuring that the test environment is capable of testing ALL functions of any given release without the need for using multiple test environments. 	Open
 Request the assistance of the RSM Solution Architect in the review of deployment scripts as a double-check for accuracy and completeness prior to commencing deployment activities. 	Open
 The Project Team should consider evaluating potential changes to improve/enhance existing processes and communications to address current release/deployment shortfalls. 	Open
 IV&V recommends performing an RCA in collaboration with RSM for the continued concerns surrounding environment differences. 	Open
 IV&V recommends updating the Project's Configuration Management Plan to address the current needs of the Project. This should include specific checklists geared at ensuring repeatable promotional processes by DOH. 	Open
 Look at implementing 'hard' code freeze dates as well as test environment deployment dates to ensure that testing and deployment activities are not rushed. 	Open
 Ensure an operational and fully functional test environment is available to effectively conduct end-to-end regression testing prior to deploying a release to production. 	Open
 Develop a plan to institutionalize the execution of "Smoke Testing" for promotions to non-production and production environments. This will help to ensure that all components needed to test have been properly deployed prior to the actual execution of test activities. 	Open



#	Key Findings	Criticality Rating
44	 Preliminary Concern: Delays in the posting of administrative claims are negatively affecting reimbursements. Finding Update: BHA met with CMS and MedQuest to discuss an approach forward. Funds cannot be added to a year once it has closed. BHA will request additional funds for FY24 to account for the claims that have posted late. 	N/A
Reco	ommendations	Status
• B	HA should continue research of this issue with MedQuest and PCG to identify any needed corrections.	In Progress
• B	HA to present any needed corrections to CMS.	In Progress



#	# Key Findings		
14	 Medium Issue: Due to multiple quality concerns, the Project may continue to face impactful system defects. Finding Update: R4.6 went live on 5/30/24; while smoke testing was executed successfully on 5/31/24, users encountered a significant problem with the Calculator where users were not able to generate authorizations set to one-time recurrence. A hot-fix to resolve this issue was deployed on Friday, 05/31/24. There are two (2) post-production defects (high priority), one related to Provider Portal being used for SPAM and SCAM content and the other related to Provider Portal document locations; the SI vendor is working to resolve both defects. 	M	
	Two (2) (2 high of 3) R4.4 post-production bugs (severity: 2 high, 1 TBD) were deployed to production in R4.6. A finding (#43) related to the TBD bug was created in April 2024. IV&V will monitor the progress and quality of R4.6. An MSD comprised of CAMHD Provider Invoice Batch Printing and Maui Wildfire set of work items is planned between R4.6 and R4.7.		
Recor	nmendations	Status	
• Eva	luate existing project staff skills and experience level to ensure they meet BHA support requirements.	In Progress	
	form CAMHD revenue neutrality fiscal balance testing on a quarterly basis to ensure revenues are as ected.	In Progress	
• Ass	ign dedicated resources to provide oversight and monitoring of CAMHD Fiscal Processes	Open	
• Moi	nitor implemented IV&V recommendations for effectiveness.	In Progress	

#	Key Findings	Criticality Rating
33	 Medium Issue: Performance bottlenecks with the INSPIRE production environment may result in low productivity and poor user experience. Finding Update: The performance test execution will commence on Tuesday, 6/4/24, and will end on Wednesday, 6/12/24. The scope of the performance test will align with the regression test cases. 	M
Rec	ommendations	Status
(l pe so	he last performance test was executed in June 2023 for phase 3 releases (R3.x). ~800+ new User Story Points JSPs) have been developed since the last performance test execution. IV&V recommends BHA execute a erformance test during the development of R4.6 (planned completion 5/20/24), identifying test cases and cenarios that include both DDD and CAMHD functionality, transactions/functionality that are performance tensive, e.g., calculator functionality.	Open
	onduct load and performance testing for each release that has significant new features/functionality, e.g., alculator-related transactions.	Open
С	reate a plan for comprehensive performance testing and address any performance bottlenecks.	Open
• H	ave the benchmark assessments done annually and implementation of Azure App Insights for Power Platform.	Open
	xecute test scripts that measure the run-time for execution of long-running transactions. E.g., calculator inctionality/transactions and monitoring results over time.	New



#	Key Findings	Criticality Rating
36	 Medium Issue: Lack of a comprehensive project schedule could lead to missed tasks, project delays, and cost overruns. Finding Update: The Analytics project kickoff meeting is scheduled for 6/4/24. The project schedule for the Analytics project is expected to be delivered shortly after the project kick-off. 	M
Re	commendations	Status
	Establish a clear project schedule management plan that outlines roles, responsibilities, and accountability for schedule adherence.	Open
	Create and baseline a comprehensive project schedule for Phase 4 and future project phases in MS Project, Smartsheet, or a similar tool, containing tasks for both SI vendor and State, task dependencies, and resourcing.	Open
•	Implement regular schedule reviews and updates to ensure alignment with project objectives and milestones.	Open



#	Key Findings	Criticality Rating
42	Medium Issue: Ineffective governance and communication among stakeholders can significantly impact a project in several ways, e.g., stakeholder disengagement, conflict and tension, misalignment of objectives, increased risks, unclear roles and responsibilities, and quality issues. An example on this project is the development and implementation of Golden Record/Master Data Management (MDM). The lack of effective governance and communication among stakeholders can result in project delays, budget overruns, and decreased quality. It's essential for project managers and stakeholders to prioritize clear communication and establish robust governance structures to ensure project success.	M
	Finding update: Collaboration between DDD and CAMHD on the security assessments is ongoing.	
Rec	commendations	Status
e	Create a Governance Structure: Implement a governance structure that defines decision-making processes, escalation procedures, and accountability mechanisms. Clarify how decisions will be made, who has authority, and how issues will be resolved.	Open
a	Develop a Stakeholder Registry, RACI chart, and Stakeholder Engagement Plan: Identify key stakeholders and develop a plan to engage them throughout the project lifecycle. Tailor communication strategies to address the needs and preferences of different stakeholders, ensuring their active involvement and support.	Open
i	Clearly define Roles and Responsibilities: clearly outlining the roles and responsibilities of each stakeholder nvolved in the project, would ensure that everyone understands their duties and how they contribute to the project's success.	Open



Recommendations		
• Encourage Open Communication and Feedback: Foster a culture of open communication and feedback where stakeholders feel comfortable sharing their thoughts, concerns, and suggestions. Encourage constructive dialogue and actively seek input to improve decision-making and problem-solving. Keep stakeholders informed about project progress, milestones, and key developments through regular updates and progress reports. Highlight achievements, challenges, and any changes to the project plan or scope.	Open	
 Resolve Conflicts Promptly: Address conflicts and disagreements among stakeholders promptly and professionally. Encourage dialogue, active listening, and compromise to find mutually acceptable solutions that support project goals. 	Open	
 Manage Expectations: Manage stakeholders' expectations by setting realistic timelines, budgets, and deliverables. Foster a culture of transparency about project constraints and risks and proactively communicate any changes or deviations from the plan. 	Open	
 Evaluate and Adapt: Continuously evaluate the effectiveness of governance and communication processes and adjust as needed. Solicit stakeholders' feedback to identify areas for improvement and continuously refine your approach. 	Open	



#	Key Findings	Criticality Rating
45	New Preliminary Concern: The current process does not allow BHA to track actual costs versus budgeted costs for large functionality such as FHIR or Golden Record. By incorporating a clear process that would allow BHA to monitor costs of large functionality, BHA could maintain better financial records, and it would allow BHA to track actual versus budgeted costs. New Finding update: BHA Stakeholders to evaluate process options, e.g., through Azure DevOps.	N/A
Rec	ommendations	Status
	/V recommends that BHA Stakeholders evaluate process options and agree on a process that would allow HA to track actual costs versus budgeted costs of large functionality such as FHIR and Golden Record.	New
th be	/&V recommends that BHA stakeholders agree on the level of granularity, e.g., by user story or functionality, nat would allow stakeholders to have reliable answers to important questions such as how much money has een spent on developing Fast Health Interoperability Resources (FHIR) functionality or Golden Record (GR) unctionality or on developing specific user stories.	New



IV&V Findings & Recommendations Resource Management

#	Key Findings	Criticality Rating
34	 Medium Issue: A shortage of Behavioral Health Administration (BHA) project resources could lead to reduced productivity and project delays. Finding Update: DDD is planning to add an automated regression testing resource and is currently evaluating candidates. DDD plans to request one (1) business analyst position. No new update. 	M
Rec	ommendations	Status
• B	HA should explore options for offloading project team members' daily responsibilities to other staff.	In Progress
• B	HA should work quickly to backfill vacated project team member positions.	In progress
	HA should identify tasks and duties that they can ask the SI to assume, as permitted by the contract, hich are presently being handled by BHA members.	In progress
• B	HA should explore the use of contractors to fill open project positions.	In progress



IV&V Findings & Recommendations Project Performance Metrics

Metric	tric Description IV&V Observations			IV&V	Updates	
Velocity	Review and validate the velocity data as		Velocity	Metric Tre	ends:	
	reported by the project	R4.6, 103 R4.6 USPs were promoted to	Release	Planned velocity	Actual velocity	Percentage attained
	 Verify the project is on pace to hit the total target number of US/USP 		R4.6	84	103	123%

	Release	Planned velocity	Actual velocity	Cumulative variance
	R4.1	309	114	-195
	R4.2	85	174	-106
Phase 4 Releases	R4.3	85	124	-67
Cumulative Variance	Golden Record Mid-Sprint Deployment (MSD)	0	68	1
	R4.4	240	225	-14
	R4.5	95	76	-33
	R4.6	84	103	-14



IV&V Findings & Recommendations Project Performance Metrics (cont'd.)

Metric	Description		IV&V Updates
Defect Metrics	 Understand and track the following: Defects by category (bug fixes) USPs assigned to defects in a release vs. USPs assigned to planned US in a release 	 May - Velocity was estimated at 84 USPs for R4.6, 103 R4.6. USPs were promoted to production on 5/30/24. 74% of the USPs were associated with user stories and requests. 26%* of the total USPs were associated with defects encountered during the release effort or pulled from the backlog. 	The defect percentage for May was 26%* which is over the target range of 20% or less of all USPs promoted to production.

Note *: this defect percentage does not include defects under warranty that are assigned zero (0) User Story Points.



Appendix A: IV&V Rating Scales

Appendix A IV&V Rating Scales

This appendix provides the details of each finding and recommendation identified by IV&V. Project stakeholders are encouraged to review the findings and recommendations log details as needed.

- See Findings and Recommendations Log (provided under separate cover)
- IV&V Assessment Category Rating Definitions

The assessment category is under control and the current scope can be delivered within the current schedule. The assessment category's risks and issues have been identified, and mitigation activities are effective. The overall impact of risk and issues is minimal.

The assessment category is proceeding according to plan (< 30 days late).

The assessment category is under control but also actively addressing resource, schedule or scope challenges that have arisen. There is a clear plan to get back on track.

The assessment category's risk and/or issues have been identified, and further mitigation is required to facilitate forward progress. The known impact of potential risks and known issues are likely to jeopardize the assessment category.

Schedule issues are emerging (> 30 days but < 60 days late).

Project Leadership attention is required to ensure the assessment category is under control.

The assessment category is not under control as there are serious problems with resources, schedule, or scope. A plan to get back on track is needed.

The assessment category's risks and issues pose significant challenges and require immediate mitigation and/or escalation. The project's ability to complete critical tasks and/or meet the project's objectives is compromised and is preventing the project from progressing forward.

Significant schedule issues exist (> 60 days late). Milestone and task completion dates will need to be re-planned. Executive management and/or project sponsorship attention is required to bring the assessment category under control.



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Appendix A Finding Criticality Ratings

Criticality Rating	Definition
•	A high rating is assigned if there is a possibility of substantial impact to product quality, scope, cost, or schedule. A major disruption is likely, and the consequences would be unacceptable. A different approach is required. Mitigation strategies should be evaluated and acted upon immediately.
M	A medium rating is assigned if there is a possibility of moderate impact to product quality, scope, cost, or schedule. Some disruption is likely, and a different approach may be required. Mitigation strategies should be implemented as soon as feasible.
0	A low rating is assigned if there is a possibility of slight impact to product quality, scope, cost, or schedule. Minimal disruption is likely, and some oversight is most likely needed to ensure that the risk remains low. Mitigation strategies should be considered for implementation when possible.



Appendix B: Inputs

Appendix B Inputs

This appendix identifies the artifacts and activities that serve as the basis for the IV&V observations.

Meetings attended during the May 2024 reporting period:

- 1. Daily Scrum Meetings
- 2. Daily Design Meetings
- 3. Twice Weekly RSM Issues Meeting
- 4. Weekly BHA-ITS Program Status Meeting
- 5. Bi-Weekly Check-in: CAMHD
- 6. Bi-Weekly Check-in: DDD
- 7. BHA (CAMHD & DDD) IV&V Joint Meeting
- 8. IV&V Draft IV&V Status Review Meeting with DOH
- 9. IV&V Draft IV&V Status Review Meeting with RSM and DOH
- 10. DOH BHA IT Solution Project Steering Committee
- 11. US# Testing & Request Items

Eclipse IV&V[®] Base Standards and Checklists

Document

Artifacts reviewed during the May 2024 reporting period:

- 1. Daily Scrum Notes
- 2. Twice Weekly Issues Meeting Notes
- 3. Weekly BHA-ITS Program Status Report



Appendix C: Project Trends

Appendix C Project Trends

										-
Process Area	August	September	October	November	December	January	February	March	April	May
User Story Validation							1. A			
Test Practice Validation										
Sprint Planning							1			
Release / Deployment Planning										
OJT and KT Sessions										
Targeted KT										
Project Performance Metrics										
Organizational Maturity Metrics										
General Project Management										
Resource Management										
Total Open Findings	11	11	11	10	10	11	12	11	12	13
Issue - high	2	2	2	2	2	5	12	0	0	0
Issue - medium	5	5	5	4	4	4	12	8	8	8
Issue - low	0	0	0	0	0	0	12	0	1	1
Risk - high	0	0	0	0	1	0	12	0	0	0
Risk - medium	2	2	2	2	1	1	12	2	2	2
Risk - low	0	0	0	0	0	0	12	0	0	0
Preliminary Concern	2	2	2	2	2	1	12	1	1	2





Solutions that Matter

ID	Finding	Finding Statement	Analysis and Significance	Recommendation	Finding Update	Category	Туре	Priority	Status	Closed Date	Identified Dat	Owner	T
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,										
2	As a result of regression testing not being	R3.3 introduced a defect that deprecated features in	Thorough vetting and validation of regression test cases are	1. Having board(s) in Azure DevOps or a document on	05/31/2024 - R4.6 regression testing, a	Test Practice	Issue	Medium	Open		12/31/2019	Gautam	
	consistently performed, production releases	production specific to Integrated Support and Life Trajectory	necessary to prevent both defects and the deprecation of	SharePoint that provides information about the	combination of automated and manual testing,	Validation						Gulvady	
	are breaking and/or deprecating existing	functionality. DDD has informed IV&V that there are other	production functionality when a release is pushed live. When	status of regression testing automation, to facilitate	was executed 5/17/24 – 5/29/24 and completed								
	functionality in the production environment.	examples of functionality being deprecated after a release, some of which are still being investigated. As of this report,	defects occur in production, the project should follow a defined	visibility and transparency to BHA project personnel and stakeholders.	successfully - three (3) bugs (1 medium and 2 low priority) resulted from the testing and have								
			and repeatable process for determining the root cause of the problem.	and stakeholders.	been added to the backlog. Minimal progress								
		IV&V has not evaluated the project's root cause analysis (RCA) process used to determine why such functionality was	problem.	2. IV&V recommends reevaluating the schedule	has been made in developing and executing								
		deprecated but will discuss further with BHA in January 2020.		priorities by distributing the work according to the	automated regression test cases. R4.6 went live								
		deprecated but will discuss further with BHA in January 2020.		resource bandwidth. This will ensure that the	on 5/30/24. Considering the three (3) post-								
				schedule is not impacted and that the work is done	production bugs including the one for which a								
				efficiently between regression testing and Golden	hot fix was deployed on Friday, 5/31/24, the								
				Record (GR).	project should evaluate the efficacy of								
					regression testing.								
				3. Pursue and complete additional formal training in	Per BHA's request, IVV will validate								
				earliest possible juncture and complete efforts to	been completed to-date.								
				automate the 2 primary regression test scripts.	A Mid-Sprint-Deployment (MSD) comprised of								
					CAMHD Provider Invoice Batch Printing and								
				IV&V recommends DDD and CAMHD to develop a	Maui Wildfire set of work items is planned								
				common and consistent approach across divisions for	between								
				performing regression testing.									
					04/30/2024 - R4.6 regression testing will be a		1	1	1		1	1	
				are adequate and if not, add more time to the pre-	combination of automated and manual testing								
				production regression test efforts for all release	and is to be executed 5/17/24 - 5/29/24.		1	1	1		1	1	
				deployments.	Minimal progress has been made in developing								
					and executing automated regression test cases.								
				Updating the regression test scripts to ensure	BHA upgraded the Tricentis automated								
				consistency with system configuration.	regression testing tool, Tosca 2021 version to								
				Modifying release schedules to allow for regression	the 2023 version on 4/10/24. DDD is planning to								
				testing timeframes	hire an automated regression testing resource								
				Planning releases by functionality type to avoid	and is currently evaluating candidates. IV&V will								
				unnecessary repetitive work being performed in any given section of the solution.	continue to monitor and review automated regression testing results and status reporting.								
1	Due to multiple quality concerns, the project	System defects identified in August that affected claims were	The identified quality issues have negatively affected DOH billing	Evaluate existing project staff skills and experience	05/31/2024 - R4.6 went live on 5/30/24; while	Project Management	Issue	Medium	Open		9/30/2020	Gautam	
	may continue to face impactful system	due to multi-faceted quality issues were individually addressed	processes and DOH has stated these are the most impactful	level to ensure they meet BHA support requirements.	smoke testing was executed successfully on	riojectividildgement	1.35uc	Wicdidini	open		5/ 50/ 2020	Gulvady	
	defects.	during this reporting period. IV&V notes that there is one	defects discovered to date.		5/31/24, users encountered a significant							,	
		remaining defect still being evaluated that affects a limited		Perform CAMHD revenue neutrality fiscal balance	problem with the Calculator where users were								
		number of claims. Overall, the Project Team has responded		testing on a quarterly basis to ensure revenues are as									
		with a commitment to increase project quality and is in the		expected.	time recurrence. A hot-fix to resolve this issue								
		process of identifying improvements to associated testing			was deployed on Friday, 05/31/24. There are								
		processes. These currently include: Performing Revenue			two (2) post-production defects (high priority),								
		Neutrality Testing to ensure expected revenue streams are		Assign dedicated resources to provide oversight of	one related to Provider Portal being used for								
		largely unchanged from one period to the next. Conducting		CAMHD Fiscal Processes.	SPAM and SCAM content and the other related								
		System Integration Testing, User Acceptance Testing,			to Provider Portal document locations; the SI								
		Performance Testing, and Regression Testing for Release 3.10.		Monitor implemented improvements for	vendor is working to resolve both defects.		1	1	1		1	1	
		IV&V will continue to monitor the testing efforts throughout		effectiveness.	Two (2) (2 high of 3) R4.4 post-production bugs								
		the balance of Release 3.10 and validate that enhanced quality			(severity: 2 high, 1 TBD) were deployed to								
		processes, including industry standard regression testing,		IV&V recommends performing an RCA in	production in R4.6. A finding (#43) related to								
		continue for Agile Release 3.11 forward. Finally, IV&V		collaboration with RSM after all future release	the TBD bug was created in April 2024. IV&V								
		reviewed and provided feedback on the Help Desk and		deployments for continual quality improvement.	will monitor the progress and quality of								
		Semantic Layer design documents per request and found that			R4.6. An MSD comprised of CAMHD Provider								
				BHA and RSM to collaborate on the necessary	Invoice Batch Printing and Maui Wildfire set of								
		both documents lacked design details.			work items is planned between R4.6 and R4.7.	1	1	1	1			1	
		both documents lacked design details.		revisions to the submitted design deliverables to				1	1				
		both documents lacked design details.		revisions to the submitted design deliverables to increase level of detail and quality.									
		both documents lacked design details.		increase level of detail and quality.	04/30/2024 - R4.6 regression testing will be a								
		both documents lacked design details.		increase level of detail and quality. Perform typical project testing including System	04/30/2024 - R4.6 regression testing will be a combination of automated and manual testing								
		both documents lacked design details.		increase level of detail and quality. Perform typical project testing including System Integration, User Acceptance, Performance, and	04/30/2024 - R4.6 regression testing will be a combination of automated and manual testing and is to be executed 5/17/24 – 5/29/24. R4.6								
		both documents lacked design details.		Increase level of detail and quality. Perform typical project testing including System Integration, User Acceptance, Performance, and Regression Testing.	04/30/2024 - R4.6 regression testing will be a combination of automated and manual testing and is to be executed 5/17/24 – 5/29/24. R4.6 Soft code freeze is on 5/01/24, hard code freeze								
		both documents lacked besign details.		increase level of detail and quality. Perform typical project testing including System Integration, User Acceptance, Performance, and Regression Testing. Dedicate sufficient time in between releases for BHA	04/30/2024 - R4.6 regression testing will be a combination of automated and manual testing and is to be executed 5/17/24 – 5/29/24. R4.6 Soft code freeze is on 5/01/24, hard code freeze is on 5/06/24 and go-live is planned for 5/30/24.								
		both documents lacked design details.		increase level of detail and quality. Perform typical project testing including System Integration, User Acceptance, Performance, and Regression Testing. Dedicate sufficient time in between releases for BHA and RSM to execute/implement RCA correction	04/30/2024 - R4.6 regression testing will be a combination of automated and manual testing and is to be executed 5/17/24 - 5/29/24. R4.6 Soft code freeze is on 5/01/24, hard code freeze is on 5/06/24 and go-live is planned for 5/30/24. There are no R4.5 post-production defects as of								
		both documents lacked design details.		increase level of detail and quality. Perform typical project testing including System Integration, User Acceptance, Performance, and Regression Testing. Dedicate sufficient time in between releases for BHA	04/30/2024 - R4.6 regression testing will be a combination of automated and manual testing and is to be executed 5/17/24 - 5/29/24. R4.6 Soft code freeze is on 5/01/24, hard code freeze is on 5/06/24 and go-live is planned for 5/30/24. There are no R4.5 post-production defects as of 4/30/24. Two (2) (2 high) of three (3) R4.4 post-								
		both documents lacked design details.		increase level of detail and quality. Perform typical project testing including System Integration, User Acceptance, Performance, and Regression Testing. Dedicate sufficient time in between releases for BHA and RSM to execute/implement RCA correction	04/30/2024 - R4.6 regression testing will be a combination of automated and manual testing and is to be executed $5/17/24 - 5/29/24$. R4.6 Soft code freeze is on $5/06/24$ and go-live is planned for $5/30/24$. There are no R4.5 post-production defects as of $4/30/24$. Two (2) (2 high) of three (3) R4.4 post-production bugs (severity: 2 high, 1 TBD) have								
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		both documents lacked design details.		increase level of detail and quality. Perform typical project testing including System Integration, User Acceptance, Performance, and Regression Testing. Dedicate sufficient time in between releases for BHA and RSM to execute/implement RCA correction	04/30/2024 - R4.6 regression testing will be a combination of automated and manual testing and is to be executed 5/17/24 - 5/29/24. R4.6 Soft code freeze is on 5/01/24, hard code freeze is on 5/06/24 and go-live is planned for 5/30/24. There are no R4.5 post-production defects as of 4/30/24. Two (2) (2 high) of three (3) R4.4 post- production bugs (severity: 2 high, 1 TBD) have been fixed and are being tested (in the development and test environments) and fixes								
		both documents lacked design details.		increase level of detail and quality. Perform typical project testing including System Integration, User Acceptance, Performance, and Regression Testing. Dedicate sufficient time in between releases for BHA and RSM to execute/implement RCA correction	04/30/2024 - R4.6 regression testing will be a combination of automated and manual testing and is to be executed 5/17/24 - 5/29/24. R4.6 Soft code freeze is on 5/01/24, hard code freeze is on 5/06/24 and go-live is planned for 5/30/24. There are no R4.5 post-production defects as of 4/30/24. Two (2) (2 high) of three (3) R4.4 post- production bugs (severity: 2 high, 1 TBD) have been fixed and are being tested (in the								

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1 Note:		between delivered work and stakeholder	and stakeholders. They are essential building blocks for better	product owner.	(R4.2 and onwards) with all relevant stakeholders to									
Normality Normality <t< td=""><td></td><td>needs.</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>		needs.												
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N Particular problem in pr														
Normalization Normalization<			SI and BHA personnel. Per Agile Best practices, IV&V believes	product owner, stakeholders, and the team to review what's	also help ensure the backlog is prioritized and well-									
1 Non-short process to the state														
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1 Instanta Instan			the testing team to focus solely on testing, which is beneficial.		the incorporation of user feedback.									
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1 Normalization of the second sec														
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1 Solution for the solution of t														
N Particular Sector Control Partin Particular Sector Control Particular Sector Contr								1	1	1		1		
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N Reference (0) project contracts Reference (0) project co														
N Note: Not					consistently met.	functionality/features as part of Sprint Reviews.								
N Besides from define sources and from					3. Establish standardized communication protocols	01/31/2024 - The vendor to schedule								
Image: series in the series of the series in the series					for both Sprint Reviews and Sprint Demos. Encourage	demonstrations of new functionality/features								
Image: space in the space integrate					teams to deliver concise and informative progress	as part of Sprint Reviews going forward.								
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Image: Notice in the classes with the classes neared register classes and the classes in the classes neared register classes neared register classes in the classes neared register classes nea					future plans. This will enhance stakeholder	12/31/2023 - The vendor and BHA have a								
Image: Control Contro Control Control<					engagement and project transparency.	product backlog review process in place. IV&V								
Image: Note:						will review the product backlog (living artifact),								
N Description Out to black with the Sodern Record ([0]) sodies, new Out of black with the Sodern Record ([0]) sodies, new Out of black with the Sodern Record ([0]) sodies, new Out of black with the Sodern Record ([0]) sodies, new Out of black with the Sodern Record ([0]) sodies, new Out of black with the Sodern Record ([0]) sodies, new Out of black with the Sodern Record ([0]) sodies, new Out of black with the Sodern Record ([0]) sodies, new Out of black with the Sodern Record ([0]) sodies, new Out of black with the Sodern Record ([0]) sodies new Out of black with the Sodern Record ([0]) sodies new Out of black with the Sodern Record ([0]) sodies new Out of black with the Sodern Record ([0]) sodies new Out of black with the Sodern Record ([0]) sodies new Out of black with the Sodern Record ([0]) sodies new Out of black with the Sodern Record ([0]) sodies new Out of black with the Sodern Record ([0]) sodies new Out of black with the Sodern Record ([0]) sodies new Out of black with the Sodern Record ([0]) sodies new Out of black with the Sodern Record ([0]) sodies new Out of black with the Sodern Record ([0]) sodies new Out of black with the Sodern Record ([0]) sodies new Out of black with the Sodern Record ([0]) sodies new Out of black with the Sodern Record ([0]) sodies new Out of black with the Sodern Record ([0]) sodies new Out of black with the Sodern Record ([0]) sodies new Out of black with the Sodern Record ([0]) sodies new Out of black with the Sodern Record ([0]) sodies new Out of						observe the product backlog review process								
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is clarity on remaining work to be completed, timeline for completion, etc. where GR stands. VRV sent an email on 0/31/2024 recommending stateAbolders have a godd common understanding of the Golden Record (GR) functionality development (including regression testing) and deployment, and the common understanding and plans are communicated to all stateAbolders. The plan is to discuss and resolve the issue, e.g., during resumed GR working ession meetings, so a common statement of understanding can be provided to all Image: Common plant			1		CR working coscions should be resumed with the			1	1	1	1	1	1	
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stakenoloers. This linding was changed from a								1	1	1		1		
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33 Performance bottlenecks with the INSPIRE production environment may result in low productivity and poor user experience. Performance issues have been ident potential to impact the system's fun approximately strain the overall reliability of the system's fun approximately and poor user experience. 34 Shortage of Behavioral Health Administration (BHA) project resources have reprivate a to the productivity and project delays. 34 Shortage of Behavioral Health Administration (BHA) project resources could lead to reduced productivity and project delays. 34 Shortage of Behavioral Health Administration (BHA) project resources could lead to reduced productivity and project delays.	m's functionality, user experience, encounteri he system. These performance opening the		 The last performance test was executed in June 2023 for phase 3 releases (R3.x). ~800+ new User Story Points (USPs) have been developed since the last performance test execution. IV&V recommends BHA execute a performance test during the development ORA.6 (planned completion 5/20/2024), identifying test cases and scenarios that include both DDD and CAMHD functionality, transactions/functionality that are performance intensive, e.g., calculator functionality. Conduct load and performance testing for each release that has significant new features/functionality, e.g., calculator-related transactions. Create a plan for comprehensive performance testing and address any performance bottlenecks. Have the benchmark assessments done annually and implementation of Azure App Insights for Power Platform. 	05/31/2024 - The performance test execution will commence on Tuesday, 6/4/24, and will end on Wednesday, 6/1/224. The scope of the performance test will align with the regression test cases. 04/30/2024 - BHA is continuing discussions with Microsoft regarding scope, schedule, and estimate of the effort and cost to execute the performance test, leveraging the existing Health Information Systems Office (HISO) contract with Microsoft. The plan is to excute the next performance test in June 2024. 03/31/2024 - To address the IV&V recommendation #1, BHA and the SI vendor are having discussions to define scope, schedule, and to estimate the effort and cost to conduct a performance test prior to R4.6 implementation on S/30/24. The plan is to execute the test in May 2024. APA plans to leverage the existing	Project Management	Issue	Medium -	Open		8/18/2023	Gautam Gulvady	
4 Shortage of Behavioral Health Administration (BHA) project resources could lead to reduced productivity and project Key BHA project resources have rep much time they can devote to the p system sources.	m's functionality, user experience, encounteri he system. These performance opening the	intering performance issues with re-assigning cases and ng the DDD – Contact Notes (Fiscal View – Complete) view. ID has not reported performance issues.	2023 for phase 3 releases (R3.x). ~800+ new User Story Points (USPs) have been developed since the last performance test execution. IV&V recommends BHA execute a performance test during the development of R4.6 (planned completion 5/20/2024), identifying test cases and scenarios that include both DDD and CAMHD functionality, transactions/functionality that are performance intensive, e.g., calculator functionality. 2. Conduct load and performance testing for each release that has significant new features/functionality, e.g., calculator-related transactions. 3. Create a plan for comprehensive performance testing and address any performance bottlenecks. 4. Have the benchmark assessments done annually and implementation of Azure App Insights for Power	will commence on Tuesday, 6/4/24, and will end on Wednesday, 6/12/24. The scope of the performance test will align with the regression test cases. 04/30/2024 - BHA is continuing discussions with Microsoft regarding scope, schedule, and estimate of the effort and cost to execute the performance test, leveraging the existing Health information Systems Office (HISO) contract with Microsoft. The plan is to excute the next performance test in June 2024. 03/31/2024 - To address the IV&V recommendation #1, BHA and the SI vendor are having discussions to define scope, schedule, and to estimate the effort and cost to conduct a performance test prior to R4.6 implementation on 5/30/24. The plan is to execute the test in								
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Administration (BHA) project resources could lead to reduced productivity and project delays. Project Lead could further impact the acquire suitable resources. The lack script developer has slowed DDH's a			5. Execute test scripts that measure the run-time for	performance test.			1					
Administration (BHA) project resources could much time they can devote to the p lead to reduced productivity and project the Child and Adolescent Mental He delays. Project Lead could further impact the acquire suitable resources. The lack script developer has slowed DOH's a			execution of long-running transactions. E.g.,	performance test.								
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Administration (BHA) project resources could lead to reduced productivity and project delays. Project Lead could further impact the acquire suitable resources. The lack script developer has slowed DDH's a												
Administration (BHA) project resources could much time they can devote to the p lead to reduced productivity and project devote the the Child and Adolescent Mental He delays. Project Lead could further impact the acquire suitable resources. The lack script developer has slowed DOH's a			results over time.	about scheduling the next performance test,								
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Administration (BHA) project resources could much time they can devote to the p lead to reduced productivity and project developer Management Office Manage Project Lead could further impact th acquire suitable resources. The lack script developer has slowed DOH's a				01/31/2024 - IV&V to discuss the criteria for								
Administration (BHA) project resources could much time they can devote to the p lead to reduced productivity and project developer Management Office Manage Project Lead could further impact th acquire suitable resources. The lack script developer has slowed DOH's a				selecting upcoming release(s) for performance								
Administration (BHA) project resources could lead to reduced productivity and project delays. System Management Office Manage Project Lead could further impact th acquire suitable resources. The lack script developer has slowed DOH's a				testing (as part of planning performance test)								
lead to reduced productivity and project the Child and Adolescent Mental He delays. System Management Office Manage Project Lead could further impact th acquire suitable resources. The lack script developer has slowed DOH's a	ve reported constraints on how If BHA is ur	A is unable to fully staff the project and their existing	1. BHA should explore options for offloading project	05/31/2024 - DDD is planning to add an	Resource Management	Issue	Medium	Open		8/18/2023	Michael Fors	
delays. System Management Office Manage Project Lead could further impact th acquire suitable resources. The lack script developer has slowed DOH's a	the project. The departure of resources r	rces continue to be constrained, the project could	team members' daily responsibilities to other staff.	automated regression testing resource and is								
delays. System Management Office Manage Project Lead could further impact th acquire suitable resources. The lack script developer has slowed DOH's a	tal Health Division (CAMHD) experience	ience a reduction in productivity and project delays.		currently evaluating candidates. DDD plans to								
Project Lead could further impact th acquire suitable resources. The lack script developer has slowed DOH's a			2. BHA should work quickly to backfill vacated project									
acquire suitable resources. The lack script developer has slowed DOH's a			team member positions.	new update.								
script developer has slowed DOH's a			commember posicions.									
			3. BHA should identify tasks and duties that they can	04/30/2024 - DDD is planning to add an								
oevelopment.	OH s automated test script											
			ask the SI to assume, as permitted by the contract,	automated regression testing resource and is								
			which are presently being handled by BHA members.	currently evaluting candidates. DDD plans to								
				request one (1) business analyst position.								
			BHA should explore the use of contractors to fill									
			open project positions.	03/31/2024 - No change since the February								
				reporting period.								
				02/29/2024 - DDD plans to request one (1)								
1				business analyst position to address resource								
				shortages.		1	1	1	1	1	1	
							1					
				01/31/2024 - There continue to be significant			1					
							1					
				project resource shortages, as per the			1		1	1	1	
				resources documented in APDU #6. This finding		1	1	1	1	1	1	
				was changed from a Risk to an Issue.			1		1	1	1	
							1					
				12/31/2023 - During the Steering committee			1					
	1			meeting on 12/12/2023, DDD representative		1	1	1	1	1	1	
				communicated since the three positions were			1					
				not included in the budget, DDD to submit a			1		1	1	1	
				variance for an IT position.			1					
							1					
				11/30/2023 - DDD took proactive steps to		1	1	1	1	1	1	
				address the IT shortages by creating three			1					
				position descriptions along with justifications.		1	1	1	1	1	1	
				However, the positions were not approved.		1	1	1	1	1	1	
				DDD will continue to explore other options and		1	1	1	1	1	1	

ID	Finding	Finding Statement	Analysis and Significance	Recommendation	Finding Update	Category	Туре	Priority	Status	Closed Date	Identified Date	Owner	
25		D2 02 week started and the Clusted structure weeking with D14		1 DayOng alagang in an angling angles. The		Deale at Management	Dealississes	11/4	Classed	4/20/2024	0/2/2022	Gautam	
35	Lack of an ongoing cleanup process may lead to clutter and reduce Azure DevOps	R3.33 work started, and the SI vendor was working with BHA on the Statement of Work (SOW). BHA made the decision not	A cleaned-up Azure DevOps environment would enable the team and stakeholders to accurately track and report defects and user	 DevOps cleanup is an ongoing process. The usage and configuration of the Azure DevOps (AD) 	04/30/2024 - Standardizing (ongoing process) tags used in Azure DevOps and cleaning up the	Project Management	Preliminary Concern	NA	Closed	4/30/2024	8/2/2023	Gulvady	
							Concern					Guivauy	
	effectiveness in supporting the INSPIRE	to implement R3.33 and moved on to the next big phase of work, starting with R4.1. Project team members will see some	stories, e.g., "n" number of post-production defects in Rm.n to be implemented in Rx.y, monitor and measure the team's	environment should be regularly monitored to prevent clutter and maintain its effectiveness in	Azure DevOps environment is an ongoing process. Post-production bugs are tagged "Post								
	project management and tracking needs.	references to R3.33 in Azure DevOps, which are incorrect and	effectiveness (trending as improvements, e.g., fewer post-	supporting the INSPIRE project management and	Go-Live Bug" with tags for the appropriate								
		should be updated to R4.1 or an appropriate future release.											
			production bugs from previous releases), and to maintain tool's	tracking needs.	release(s). IV&V has closed this preliminary								
		There is still cleanup happening for items that are in the	effectiveness in supporting project management needs.	2. Carfierentian Devices Funds at the Americ Devices	concern.								
		parking lot, which may state R3.33 until those items are		 Configuration Review: Evaluate the Azure DevOps (AD) configuration settings. Ensure workflows, issue 	03/31/2024 - Standardizing (ongoing process)								
		assigned to a release.		types, custom fields, and other settings are aligned	tags used in Azure DevOps and cleaning up the								
				with the project's needs and industry best practices.	Azure DevOps environment is an ongoing								
				3. Optimize Boards and Filters: Review the boards,	process. E.g., some post-production bugs are tagged "Post Go-Live Bug" with tags for the								
					appropriate release(s). IV&V will monitor the								
				filters, and tags in Azure DevOps (AD) to ensure they									
				accurately reflect the status of work, and they are	progress.								
				designed to facilitate efficient tracking and									
				collaboration. This will help streamline and make it	02/29/2024 - Standardizing (ongoing process)								
				easier to find relevant information.	tags used in Azure DevOps and cleaning up the								
				A User Training and Deat Deathings Describe training	Azure DevOps environment are ongoing. E.g.,								
				4. User Training and Best Practices: Provide training	post-production bugs are tagged "Post Go-Live								
				to Azure DevOps (AD) users to ensure they are using	Bug" with tags for the appropriate release(s).								
				the tool effectively. Share best practices for issue	IV&V will monitor the progress.								
				creation, workflow management, and collaboration.									
					01/31/2024 - RSM and BHA are standardizing								
				5. Establish a plan for regular maintenance of Azure	(on-going process) the tags used in Azure								
				DevOps (AD). Regularly review and clean up old	DevOps and their usage, and are cleaning up								
				issues, adjust workflows as needed, and ensure that	the Azure DevOps environment. E.g., the four								
				configurations remain aligned with evolving needs.	(4) R4.4 post-production bugs are tagged "Post								
					Go-Live Bug". IV&V will monitor the progress.								
					12/31/2023 - RSM and BHA are standardizing								
					(on-going process) the tags used in Azure								
					DevOps and their usage, and are cleaning up								
26					the Azure DevOps environment. The tags will be						0 /00 /0000		
36	Lack of a comprehensive project schedule	Project work is ongoing without a project schedule in place.	Project work is ongoing without a project schedule in place.	1. Establish a clear project schedule management	05/31/2024 - The Analytics project kickoff	Project Management	Issue	Medium	Open		8/29/2023	Gautam	
	could lead to missed tasks, project delays,	Some current project work is considered Maintenance and	Some current project work is considered Maintenance and	plan that outlines roles, responsibilities, and	meeting is scheduled for 6/4/24. The project							Gulvady	
	and cost overruns.	Operations, but there is new work to be completed as well.	Operations, but there is new work to be completed as well.	accountability for schedule adherence.	schedule for the Analytics project is expected to								
					be delivered shortly after the project kick-off.								
				2. Create and baseline a comprehensive project									
				schedule in MS project, Smartsheet, or a similar tool,	04/30/2024 - The Data Exchange Agreement								
				containing tasks for both SI vendor and State, task	(DEA) between DDD and MQD is being finalized.								
				dependencies, and resourcing.	BHA plans ito commence the Analytics project								
					in June 2024 once the DEA is executed.								
				3. Implement regular schedule reviews and updates									
				to ensure alignment with project objectives and	03/31/2024 - The Data Exchange Agreement			1					
				milestones.	(DEA) between DDD and MQD is yet to be								
1	1	1	1		executed. The Analytics project will commence		1	1			1	1	
								1	1		1	1	
1					once the DEA is executed.								
1													
					02/29/2024 - The project currently utilizes a								
					02/29/2024 - The project currently utilizes a high-level Gantt chart, which shows planned								
					02/29/2024 - The project currently utilizes a high-level Gantt chart, which shows planned release dates but does not provide visibility to								
					02/29/2024 - The project currently utilizes a high-level Gantt chart, which shows planned								
					02/29/2024 - The project currently utilizes a high-level Gantt chart, which shows planned release dates but does not provide visibility to								
					02/29/2024 - The project currently utilizes a high-level Gantt chart, which shows planned release dates but does not provide visibility to task completion, tasks behind schedule,								
					02/29/2024 - The project currently utilizes a high-level Gantt chart, which shows planned release dates but does not provide visibility to task completion, tasks behind schedule, resource allocation, etc. The Data Sharing								
					02/29/2024 - The project currently utilizes a high-level Gantt chart, which shows planned release dates but does not provide visibility to task completion, tasks behind schedule, resource allocation, etc. The Data Sharing Agreement (DSA) between DDD and MQD is yet								
					02/29/2024 - The project currently utilizes a high-level Gantt chart, which shows planned release dates but does not provide visibility to task completion, tasks behind schedule, resource allocation, etc. The Data Sharing Agreement (DSA) Detween DDD and MQD is yet to be executed. The Analytics project will								
					02/29/2024 - The project currently utilizes a high-level Gantt chart, which shows planned release dates but does not provide visibility to task completion, tasks behind schedule, resource allocation, etc. The Data Sharing Agreement (DSA) between DDD and MQD is yet to be executed. The Analytics project will commence once the DSA is executed. A								
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					02/29/2024 - The project currently utilizes a high-level Gantt chart, which shows planned release dates but does not provide visibility to task completion, tasks behind schedule, resource allocation, etc. The Data Sharing Agreement (DSA) between DDD and MQD is yet to be executed. The Analytics project will commence once the DSA is executed. A schedule for the analytics project will be developed once the start date is known. IV&V								
					02/29/2024 - The project currently utilizes a high-level Gantt chart, which shows planned release dates but does not provide visibility to task completion, tasks behind schedule, resource allocation, etc. The Data Sharing Agreement (DSA) between DDD and MQD is yet to be executed. The Analytics project will commence once the DSA is executed. A schedule for the analytics project will be developed once the start date is known. IV&V recommends also developing a schedule for								
					02/29/2024 - The project currently utilizes a high-level Gantt chart, which shows planned release dates but does not provide visibility to task completion, tasks behind schedule, resource allocation, etc. The Data Sharing Agreement (DSA) between DDD and MQD is yet to be executed. The Analytics project will commence once the DSA is executed. A schedule for the analytics project will be developed once the start date is known. IV&V recommends also developing a schedule for								
					02/29/2024 - The project currently utilizes a high-level Gant chart, which shows planned release dates but does not provide visibility to task completion, tasks behind schedule, resource allocation, etc. The Data Sharing Agreement (DSA) between DDD and MQD is yet to be executed. The Analytics project will commence once the DSA is executed. A schedule for the analytics project will be developed once the start date is known. IV&V recommends also developing a schedule for Phase 4. 01/31/2024 - Delays in executing the Data								
					02/29/2024 - The project currently utilizes a high-level Gantt chart, which shows planned release dates but does not provide visibility to task completion, tasks behind schedule, resource allocation, etc. The Data Sharing Agreement (DSA) between DDD and MQD is yet to be executed. The Analytics project will be developed once the start date is known. IV&W recommends also developing a schedule for Phase 4.								
					02/29/2024 - The project currently utilizes a high-level Gantt chart, which shows planned release dates but does not provide visibility to task completion, tasks behind schedule, resource allocation, etc. The Data Sharing Agreement (DSA) between DDD and MQD is yet to be executed. The Analytics project will commence once the DSA is executed. A schedule for the analytics project will be developed once the start date is known. N&W recommends also developing a schedule for Phase 4. 01/31/2024 - Delays in executing the Data Sharing Agreement (DSA) contract between								
					02/29/2024 - The project currently utilizes a high-level Gantt chart, which shows planned release dates but does not provide visibility to task completion, tasks behind schedule, resource allocation, etc. The Data Sharing Agreement (DSA) between DDD and MQD is yet to be executed. The Analytics project will commence once the DSA is executed. A schedule for the analytics project will be developed once the start date is known. \V&V recommends also developing a schedule for Phase 4. 01/31/2024 - Delays in executing the Data Sharing Agreement (DSA) contract between DDD and MQD. The Department. of Human								

	Findles	Circuling Chattananat	Analysis and Cimiliansa	Deserved the	Pindles Hadata	Contractor	True	Duisuite	Charles	Classed Data	I do whife of Date	0	
ID	Finding	Finding Statement	Analysis and Significance	Recommendation	Finding Update	Category	Туре	Priority	Status	Closed Date	Identified Date	Owner	
39	Due to on-going deployment processes and	Several post-production bugs have been encountered in the	Regarding the bug, "Human Services Research Institute (HSRI)	1. The Project should consider automating	05/31/2024 - R4.6 went live on 5/30/24. While	Release/Deployment	Issue	Low	Open		1/25/2024	Gautam	
55	technical execution issues, the Project may	Phase 4 release, R4.4.	flow is failing in production" (bug# 34886	deployments for resource savings, increased	smoke testing was executed successfully on	Planning	13500	LOW	open		1/23/2024	Gulvady	
	continue to encounter defects and		https://dev.azure.com/DOHBHA/DOH%20BHA%20INSPIRE/_wor	efficiency, consistency, faster time to market,	5/31/24, users encountered a significant	i idining						Guilday	
	challenges, e.g., when releases are in		kitems/edit/34886), what is in development and deployed is	improved collaboration and reliability, scalability,	problem with the Calculator where users were								
	production or in meeting projected timelines		vastly different from what was deployed to production.	version control integration, and rollback capability.	not able to generate authorizations set to a one-								
	for production and non-production		vastiy unerent from what was deployed to production.	version control integration, and ronback capability.	time recurrence(a hot-fix was deployed on								
	deployments.		The root cause for these errors is currently being investigated.	2. Ensure there are adequate and qualified resources	Friday, 5/31/24) and there are two (2) other								
	deployments.		The root cause for these errors is currently being investigated.	to support the current deployment processes. This									
					post-production bugs. It is yet to be determined								
			Repeatable documented release and deployment and resources	may require the support from RSM resources to	if all three post-production defects are								
			experienced with deployments will help ensure that mistakes are		deployment-related. IV&V will monitor the								
			minimized and that functionality is not mistakenly deprecated	of the more complex deployment components.	progress and quality of the R4.6								
			when deployments take place.		deployment. Fast Health Interoperability								
				3. As appropriate, consult with RSM on best practices	Resources (FHIR) Release 4.0.1 end-to-end								
				that BHA could employ to support deployment.	testing is ongoing, and once complete, FHIR								
					4.0.1 will be deployed as part of R4.6. MSD								
				4. Request the assistance of the RSM Solution	comprised of CAMHD Provider Invoice Batch								
				Architect in reviewing and correcting issues	Printing and Maui Wildfire set of work items is		1				1		
				associated with the consistency of configurations	planned between R4.6 and R4.7.		1				1		
				across environments, ensuring that the test			1				1		
1				environment is capable of testing ALL functions of	04/30/2024 - There were no deployment		1				1		
1				any given release without the need for using multiple	related defects with R4.5. R4.6 go-live is		1				1		
1				test environments.	scheduled for 5/30/24. IV&V will monitor the		1				1		
					progress and quality of R4.6 deployment. The								
				5. Request the assistance of the RSM Solution	priority is updated from "medium" to "low".								
				Architect in review of deployment scripts as a double									
				check for accuracy and completeness prior to	03/31/2024 - Three (3) (severity: 2 critical, 1								
				commencing deployment activities.	medium) of six (6) R4.4 post-production bugs								
					have been fixed and tested (in development								
				6. The Project Team should consider evaluating	and test environments), and the fixes were								
				potential changes to improve/enhance existing	deployed to production with R4.5. Four (4) of								
				processes and communications to address current	these bugs are deployment-related. R4.5 was								
				release/deployment shortfalls.	deployed to Production on 3/28/24, and smoke								
				release, acpio (menesno relatis.	testing in Production is scheduled for 4/1/24.								
				7. IV&V recommends performing an RCA in	IV&V will monitor the progress and quality of								
40	Improvements to the testing process are	There is a limited understanding of the testing processes and	When testing user stories 34564 and 34756 on 1/31/24, the test	1. Identify stakeholders (output is stakeholder	05/31/2024 - IV&V has shared Stakeholder	Test Practice	Issue	Medium	Open		1/31/2024	Gautam	
	needed to ensure comprehensive testing of	the roles and responsibilities of those involved in the process.	tasks did not reflect the real use cases to give stakeholders	register) and develop a RACI matrix for testing.	Register and RACI templates (based on Best	Validation						Gulvady	
	new functionality prior to production	There is no formal process for the development, review, and	adequate confidence that the user story could be tested. As a		Practices) for BHA to populate.								
	deployment.	approval of test scenarios, test cases, and test results to	result, time was expended by testing resources, testing was	2. Review the overall testing process and implement									
		ensure adequate participation and approval from state staff.	inadequate, and a user story may have been deemed to meet	any needed improvements identified.	04/30/2024 - No new update.								
			functionality when it did not.	,									
					03/31/2024 - CAMHD is populating the								
			1	1	stakeholder registry and the RACI matrix to		1	1			1	1	
					address adequate statewide participation and								
					engagement in the testing process.								
1					enbabement in the testing process.		1				1		
			1	1	02/29/2024 - CAMHD is developing a		1	1			1	1	
					Stakeholder registry and RACI matrix to address		1				1		
					adequate statewide participation in the testing		1				1		
					process.		1				1		
							1				1		
			1	1	02/29/2024 - CAMHD is developing a		1	1			1	1	
					Stakeholder registry and RACI matrix to address		1				1		
			1	1	adequate statewide participation in the testing		1	1			1	1	
1					process.		1				1		
							1				1		
					01/31/2024 - When testing user stories 34564		1				1		
1					and 34756 on 1/31/24, the test tasks did not		1				1		
					reflect the real use cases to give stakeholders		1				1		
1					adequate confidence that the user story could		1				1		
1					be tested.		1				1		
1							1				1		
1	1				1		1				1		

ID	Finding	Finding Statement	Analysis and Significance	Recommendation	Finding Update	Category	Туре	Priority	Status	Closed Date	Identified Date	Owner	
41	Absence of separate dedicated product	Currently, product backlog reviews are done during design	A product backlog review is an essential part of agile project	Separate dedicated product backlog review meetings	05/31/2024 - IV&V has shared a Stakeholder	Sprint Planning	Risk	Medium	Open		1/26/2024	Gautam	<u>-</u>
	backlog review meetings can pose several	meetings and/or weekly issues meetings. This can lead to, e.g.,	management, particularly in Scrum. It's a collaborative meeting	(during sprints) would allow clarifying any	register and RACI templates (based on Best							Gulvady	
	challenges for a project team.	scattered focus, limited stakeholder engagement, difficulty in	where the Scrum team, including the Product Owner, Scrum	ambiguities or uncertainties, re-prioritization,	Practices) for BHA to populate. Once the								
		managing complexity, and delayed decision making.	Master, and development team members, inspect and adapt the	estimation, and refinement of backlog items. This	stakeholder registry and the RACI matrix are								
			product backlog.	would allow the project team to avoid situations	finalized, BHA plans to schedule product								
				where decisions about including items mid-sprint	backlog review meetings.								
			The product backlog review is an important Scrum ceremony	would have to be taken.									
			that helps keep the backlog relevant, up-to-date, and aligned		04/30/2024 - BHA plans to populate the								
			with the project's goals and priorities. Here's a summary of what	IVV recommends scheduling separate dedicated	stakeholder registry and the RACI matrix to								
			typically happens during a product backlog review:	product backlog review meetings (during sprints)	have adequate statewide participation and								
				where all relevant stakeholders are invited to review	engagement in product backlog review								
			1. Inspecting Backlog Items: The team reviews the items on the	the product backlog and scheduled at the	meetings. Once the stakeholder registry and the								
			product backlog. This involves discussing each item,	appropriate time(s) such that there is sufficient time	RACI matrix are finalized, BHA to schedule								
			understanding its priority, value, and acceptance criteria.	to plan the design, development, and	product backlog review meetings.								
			2. Ensuring Clarity: The team ensures that each backlog item is	implementation (DDI) of the next release(s).	02/04/0004 0004 0								
			clear and well-understood. Any ambiguities or uncertainties are		03/31/2024 - BHA to schedule separate product								
			clarified at this stage. 3. Estimation: Estimation of backlog items may occur during the		backlog review meetings.								
			3. Estimation: Estimation of backlog items may occur during the review. The team may use techniques like story points or relative		02/29/2024 - Product backlog reviews are still								
			sizing to estimate the effort required for each item.		done during design meetings and/or weekly								
			4. Re-prioritization: Based on new insights, changes in		issues meetings. The project team								
			requirements, or stakeholder feedback, the team may need to re-		contemplated a mid-sprint deployment (MSD)								
			prioritize items in the backlog.		for three (3) items (AER, Maui Wildfire SMS, and		1	1	1			1	1
			5. Removing or Adding Items: Items that are no longer relevant		ISP modifications) - AER was deployed on		1	1	1			1	1
			or necessary may be removed from the backlog. New items that		2/29/2024, and the remaining two will be								
			emerge or are identified as important may be added.		deployed in R4.5. BHA to schedule separate								
			6. Refinement: Backlog refinement may also occur during the		dedicated product backlog meetings for scoping								
			review. This involves breaking down large items into smaller,		R4.6 to help avoid the need for including items								
			more manageable ones, or adding more detail to items as		mid-sprint.								
			needed.										
			7. Collaboration: The review is a collaborative effort involving the		01/31/2024 - Currently, product backlog								
			entire Scrum team. It's an opportunity for open discussion and		reviews are done during design meetings								
			sharing of ideas to ensure everyone is aligned on the goals and		and/or weekly issues meetings. The Product								
42	Effective governance and communication is	Lack of effective governance and communication among	priorities. Ineffective governance and communication among stakeholders		backlog review is a more structured meeting 05/31/2024 - Collaboration between DDD and	Project Management	1.	Medium			2/29/2024	Gautam	
42	lacking on the project.	stakeholders can have significant negative impacts on a project		recommendations to establish effective governance	CAMHD on the security assessments is ongoing.	Project Management	Issue	Medium	Open		2/29/2024	Gautam Gulvady	
	lacking on the project.	in several ways.	stakeholder disengagement, misunderstandings, conflict and	and communication among stakeholders:	Chiving on the security assessments is ongoing.							Guivady	
		in several mays.	tension, misalignment of objectives, increased risks, unclear	and communication among static holders.	04/30/2024 - CAMHD and DDD continued to								
			roles and responsibilities, and quality issues. An example on this	1. Create a Governance Structure: Implement a	collaborate on the security assessments.								
			project is the development and implementation of Golden	governance structure that defines decision-making	,								
				processes, escalation procedures, and accountability	03/31/2023 - Division heads from three (3)								
							1	1	1				
			Record/Master Data Management (MDM).	mechanisms. Clarify how decisions will be made, who	divisions, the Developmental Disabilities			1	1				
			The lack of effective governance and communication among		divisions, the Developmental Disabilities Division (DDD), Child & Adolescent Mental								
				mechanisms. Clarify how decisions will be made, who									
			The lack of effective governance and communication among	mechanisms. Clarify how decisions will be made, who	Division (DDD), Child & Adolescent Mental								
			The lack of effective governance and communication among stakeholders can result in project delays, budget overruns, and	mechanisms. Clarify how decisions will be made, who has authority, and how issues will be resolved.	Division (DDD), Child & Adolescent Mental Health Division (CAMHD), and Alcohol & Drug								
			The lack of effective governance and communication among stakeholders can result in project delays, budget overruns, and decreased quality. It's essential for project managers and	mechanisms. Clarify how decisions will be made, who has authority, and how issues will be resolved. 2. Develop a Stakeholder Registry, RACI chart, and Stakeholder Engagement Plan: Identify key stakeholders and develop a plan to engage them	Division (DDD), Child & Adolescent Mental Health Division (CAMHD), and Alcohol & Drug Abuse Division (ADAD), met in March 2024 to discuss and resolve Golden Record-related issues. DDD has added a Policy & Procedures-								
			The lack of effective governance and communication among stakeholders can result in project delays, budget overruns, and decreased quality. It's essential for project managers and stakeholders to prioritize clear communication and establish	mechanisms. Clarify how decisions will be made, who has authority, and how issues will be resolved. 2. Develop a Stakeholder Registry, RACI chart, and Stakeholder Engagement Plan: Identify key stakeholders and develop a plan to engage them throughout the project iffecycle. Tailor	Division (DDD), Child & Adolescent Mental Health Division (CAMHD), and Alcohol & Drug Abuse Division (ADAD), met in March 2024 to discuss and resolve Golden Record-related issues. DDD has added a Policy & Procedures- related agenda item to the monthly DDH BHAI TI								
			The lack of effective governance and communication among stakeholders can result in project delays, budget overruns, and decreased quality. It's essential for project managers and stakeholders to prioritize clear communication and establish	mechanisms. Clarify how decisions will be made, who has authority, and how issues will be resolved. 2. Develop a Stakeholder Registry, RACI chart, and Stakeholder Engagement Plan: Identify key stakeholders and develop a plan to engage them throughout the project lifecycle. Tailor communication strategies to address the needs and	Division (DDD), Child & Adolescent Mental Health Division (CAMHD), and Alcohol & Drug Abuse Division (ADAD), met in March 2024 to discuss and resolve Golden Record-related issues. DDD has added a Policy & Procedures-								
			The lack of effective governance and communication among stakeholders can result in project delays, budget overruns, and decreased quality. It's essential for project managers and stakeholders to prioritize clear communication and establish	mechanisms. Clarify how decisions will be made, who has authority, and how issues will be resolved. 2. Develop a Stakeholder Registry, RACI chart, and Stakeholder Engagement Plan: Identify key stakeholders and develop a plan to engage them throughout the project lifecycle. Tailor communication strategies to address the needs and preferences of different stakeholders, ensuring their	Division (DDD), Child & Adolescent Mental Health Division (CAMHD), and Alcohol & Drug Abuse Division (ADAD), met in March 2024 to discuss and resolve Golden Record-related issues. DDD has added a Policy & Procedures- related agenda item to the monthly DOH BHA IT Solution Project Steering Committee meetings.								
			The lack of effective governance and communication among stakeholders can result in project delays, budget overruns, and decreased quality. It's essential for project managers and stakeholders to prioritize clear communication and establish	mechanisms. Clarify how decisions will be made, who has authority, and how issues will be resolved. 2. Develop a Stakeholder Registry, RACI chart, and Stakeholder Engagement Plan: Identify key stakeholders and develop a plan to engage them throughout the project lifecycle. Tailor communication strategies to address the needs and	Division (DDD), Child & Adolescent Mental Health Division (CAMHD), and Alcohol & Drug Abuse Division (ADAD), met in March 2024 to discuss and resolve Golden Record-related issues. DDD has added a Policy & Procedures- related agenda item to the monthly DDH BHAIT								
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ID	Finding	Finding Statement	Analysis and Significance	Recommendation	Finding Update	Category	Туре	Priority	Status	Closed Date	Identified Date	Owner	
43	Execution time for the process for updating DDD SharePoint folders was unacceptable.	The existing DDD SharePoint documents and folders update process is intensive and the execution time was unacceptable- this process took 11 calendar days to execute in production with R4.4.	This process is part of several intense processes that update SharePoint documents and folders. The SI vendor recommended against doing this intensive process. However, no feasible alternative solutions were provided and this process was implemented. BHA has the flexibility to refine and alter their SharePoint directory structure. As a result, per the SI vendor, the process does not pick up continuously evolving permutations of folder structures in Production, nor can the execution time be estimated or benchmarked. Per discussions between the SI vendor and BHA over many months, this process/bos has been folder structures in Production. And this process/bos has been the folder structure was not encountered durfer structures the the folder structure was not encountered during testing, which was an expected event. The folders in Production that were not picked up with Flow were supposed to be manually updated. The current solution utilizing Power Automate provided the necessary steps to automate this process , but it was never going to capture 100% of folders. And the process took 11 calendar days to execute in production.	IV&V recommends DDD puts on hold any development utilizing PowerAutomate for the performance issue encountered in production (marked "TBD" in finding #14 related to "SharePoint Bulk Flows still running"), related user stores, e.g., "Changes to DDD folders", and defects. IV&V recommends evaluating other feasible options, e.g., leveraging SharePoint tools and best practices. A project issue should be opened to identify and manage the resolution of this issue.	05/31/2024 - The SI vendor has engaged a SharePoint Subject Matter Expert (SME) and is currently analyzing options. 04/30/2024 - Finding identified by IV&V.	Release/Deployment Planning	Issue	Medium -	Open		4/30/2024	Gautam Gulvady	
44	Delays in the posting of administrative claims are negatively affecting reimbursements.	BHA has discovered delays in the posting of administrative claims as far back as three years.	These claims with delayed posting are eligible for a 90%/10% match from CMS. There are delayed payments identified as far back as three years, which caused claims to be filed in later years. These claims draw from the raw budget in the year they are filed. This affects reimbursements and could potentially delay the submission of IAPDU-7, which could impact funding.	BHA should continue research of this issue with MedQuest and PCG to identify any needed corrections. BHA to present any needed corrections to CMS.	05/31/2024 - BHA met with CMS and MedQuest to discuss an approach forward. Funds can not be added to a year once it has closed. BHA will request additional funds for FY24 to account for the claims that have posted late. 4/30/2024 - Finding identified by IV&V.	Project Management	Preliminary Concern	N/A	Open		4/30/2024	Gautam Gulvady	
45	The current process does not allow BHA to track actual costs versus budgeted costs by feature/functionality.	The current invoices from the System Integrator (SI) vendor lack sufficient details that would allow BHA to track actual costs versus budgeted costs by, e.g., features such as FHIR, Golden Record or by user story.	The current process does not allow BHA to track actual costs versus budgeted costs of large functionality such as Fast Health Interoperability Resources (FHIR) or the Golden Record (GR). The absence of a clear process doesn't give insight into, e.g., how much of the budget has gone into developing functionality such as FHIR or GR functionality. By incorporating a clear process that would allow BHA to monitor costs of large functionality, BHA can maintain better financial records and It would allow BHA to track actual versus budgeted costs and answer questions, e.g., "how much money has been spent on developing FHIR or Golden Record (GR) functionality?"	IVV recommends that BHA Stakeholders should evaluate process options and agree on a process that would allow BHA to track actual costs versus budgeted costs of large large functionality such as FHIR, Golden Record. IV&V recommends that BHA stakeholders agree on the level of granularity, e.g., by user story or functionality, that would allow stakeholders to have reliable answers to important questions such as how much money has been spent on developing Fast Health Interoperability Resources (FHIR) functionality or Golden Record (GR) functionality or on developing specific user stories.	05/31/2024 - BHA Stakeholders to evaluate process options, e.g., through Azure DevOps.	Project Management	Preliminary Concern		Open		5/25/2024	Gautam Gulvady	