JOSH GREEN, M.D. GOVERNOR KE KIA'ĀINA



### OFFICE OF ENTERPRISE TECHNOLOGY SERVICES

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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, Hawaii 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 <a href="http://ets.hawaii.gov">http://ets.hawaii.gov</a> (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



### **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	May	Category	IV&V Observations
<b>⟨∀</b>	<b>Y</b>	<b>Y</b>	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 register and the RACI matrix are finalized, BHA to schedule product backlog review meeting Per discussions regarding new functionality/features in R4.6, the SI vendor will demonstrate the FHIR and Maui Wildfire communication functionality to stakeholder dates for the demos are yet to be finalized.	
G			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	May	Category	IV&V Observations
Y	Y	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.
<b>Y</b>	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	G	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.
G	G	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.

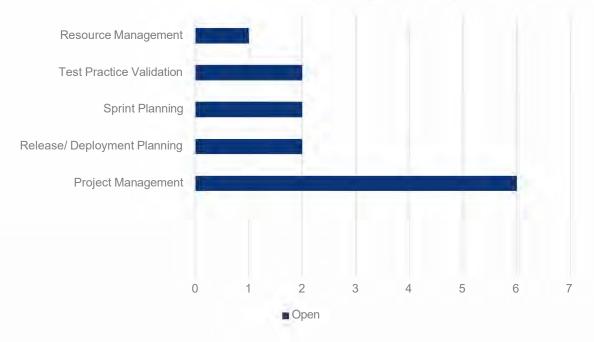


Mar	Apr	May	Category	IV&V Observations		
	r Apr			R4.6 went live on 5/30/24; while smoke testing was executed successfully on 5/31/24, users encountered a significant problem with the Calculator where users were not able to generate authorizations set to a one-time recurrence. A hot-fix to resolve this 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	<b>Y</b>	Y	Y	Y		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.		
				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.		
				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





### **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



**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
Reco	mmendations	Status
(Rame en 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 etrics 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 bject alignment, stakeholder engagement, quality assurance, transparency, and the incorporation of user edback.	In Progress
ch	rengthen the collaboration between development teams and stakeholders by enhancing communication annels. Regularly validate project objectives and ensure that sprint deliverables remain consistent with akeholder requirements	In Progress
	ster active participation from users and stakeholders during both Sprint Reviews and Sprint Demos.  Apphasize the value of iterative feedback to guide development and ensure that user needs are consistently et.	Open



# **Sprint Planning (cont'd)**

Recommendations	
<ul> <li>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.</li> </ul>	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
<ul> <li>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.</li> </ul>	Open

**Sprint Planning (cont'd)** 

#	Key Findings	Criticality Rating	
	<b>Medium Risk:</b> Absence of separate dedicated product backlog review meetings can pose several challenges for a project team.		
41	<b>Finding Update:</b> 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	
Reco	mmendations	Status	
or	parate dedicated product backlog review meetings (during sprints) would allow clarifying any ambiguities uncertainties, re-prioritization, estimation and refinement of backlog items. This would allow the project me to avoid situations where decisions about including items Mid-sprint would have to be taken.	Open	
rel	/ recommends scheduling separate dedicated product backlog review meetings (during sprints) where all evant stakeholders are invited to review the product backlog and scheduled at the appropriate time(s) ch that there is sufficient time to plan the design, development, and implementation (DDI) of the next	Open	

release(s).

### **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	mmendations	Status
reg	ving board(s) in Azure DevOps or a document on SharePoint that provides information about the status of gression testing automation, to facilitate visibility and transparency to BHA project personnel and keholders.	In Progress
wil	hedule priorities should be reevaluated by distributing the work according to the resource bandwidth. This I ensure that the schedule is not impacted and that the work is done efficiently between regression testing d GR.	In progress



**Test Practice Validation (cont'd)** 

R	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

### **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
Recoi	nmendations	Status
• Ide	ntify stakeholders (output is stakeholder register) and develop a RACI matrix for testing.	In Progress
• Re	eview the overall testing process and implement any needed improvements identified.	Open



### **Release / Deployment Planning**

#	Key Findings	Criticality Rating
43	<b>Medium Issue:</b> The execution time for the process for updating DDD SharePoint folders is unacceptable. <b>Finding Update:</b> The SI vendor has engaged a SharePoint Subject Matter Expert (SME) and is currently analyzing options.	M

Recommendations	
IVV recommends doing an impact analysis, e.g., downstream impact.	New
• IV&V recommends DDD puts on hold any development utilizing Power Automate for the performance issue encountered in production (marked "TBD" in finding #14 related to "SharePoint Bulk Flows still running") and related user stores, e.g., "Changes to DDD folders", and defects.	Open
IV&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

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.	
Rec	Maui Wildfire set of work items is planned between R4.6 and R4.7.	Status
• T		Status Open
• T fa ca • E	ommendations  ne Project should consider automating deployments for resource savings, increased efficiency, consistency, ster time to market, improved collaboration and reliability, scalability, version control integration, and rollback	

### Release / Deployment Planning (cont'd)

Recommendations	Status
<ul> <li>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.</li> </ul>	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
<ul> <li>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.</li> </ul>	Open



### **Project Management**

#	Key Findings	Criticality Rating
	<b>Preliminary Concern:</b> Delays in the posting of administrative claims are negatively affecting reimbursements.	
44	<b>Finding Update:</b> 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

Recommendations	Status
BHA should continue research of this issue with MedQuest and PCG to identify any needed corrections.	In Progress
BHA to present any needed corrections to CMS.	In Progress



#	Key Findings	Criticality Rating
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.  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.	M
Reco	mmendations	Status
• Eva	aluate existing project staff skills and experience level to ensure they meet BHA support requirements.	In Progress
	rform CAMHD revenue neutrality fiscal balance testing on a quarterly basis to ensure revenues are as pected.	In Progress
• Ass	sign dedicated resources to provide oversight and monitoring of CAMHD Fiscal Processes	Open
• Mo	onitor implemented IV&V recommendations for effectiveness.	In Progress

#	# Key Findings	Criticality Rating
33	Medium Issue: Performance bottlenecks with the INSPIRE production productivity and poor user experience.  Finding Update: The performance test execution will commence on T Wednesday, 6/12/24. The scope of the performance test will align with	uesday, 6/4/24, and will end on

Recommendations	Status
• 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 of R4.6 (planned completion 5/20/24), identifying test cases and scenarios that include both DDD and CAMHD functionality, transactions/functionality that are performance intensive, e.g., calculator functionality.	Open
Conduct load and performance testing for each release that has significant new features/functionality, e.g., calculator-related transactions.	Open
Create a plan for comprehensive performance testing and address any performance bottlenecks.	Open
Have the benchmark assessments done annually and implementation of Azure App Insights for Power Platform.	Open
• Execute test scripts that measure the run-time for execution of long-running transactions. E.g., calculator functionality/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

Recommendations	
Establish a clear project schedule management plan that outlines roles, responsibilities, and accountability for schedule adherence.	Open
<ul> <li>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.</li> </ul>	Open
Implement regular schedule reviews and updates to ensure alignment with project objectives and milestones.	Open



#	Key Findings	Criticality Rating
42	<b>Medium Issue:</b> 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.	

Recommendations	Status
<ul> <li>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.</li> </ul>	Open
<ul> <li>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.</li> </ul>	Open
<ul> <li>Clearly define Roles and Responsibilities: clearly outlining the roles and responsibilities of each stakeholder involved in the project, would ensure that everyone understands their duties and how they contribute to the project's success.</li> </ul>	Open

Recommendations	
<ul> <li>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.</li> </ul>	Open
<ul> <li>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.</li> </ul>	Open
<ul> <li>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.</li> </ul>	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

### **Project Management (cont'd)**

functionality or on developing specific user stories.

#	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
_		21.1
Rec	ommendations	Status
•  \	ommendations //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.	Status New

### **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

Recommendations	Status
BHA should explore options for offloading project team members' daily responsibilities to other staff.	In Progress
BHA should work quickly to backfill vacated project team member positions.	In progress
<ul> <li>BHA should identify tasks and duties that they can ask the SI to assume, as permitted by the contract, which are presently being handled by BHA members.</li> </ul>	In progress
BHA should explore the use of contractors to fill open project positions.	In progress

### **Project Performance Metrics**

Release

Metric	Description	IV&V Observations		IV&V	Updates	
	Review and validate     the velocity data as     reported by the     project		Velocity	Metric Tre	ends:	
Velocity		<b>May –</b> Velocity was estimated at 84 USPs for R4.6, 103 R4.6 USPs were promoted to production on 5/30/24.	Release	Planned velocity	Actual velocity	Percentage attained
	<ul> <li>Verify the project is on pace to hit the total target number of US/USP</li> </ul>	production on 3/30/24.	R4.6	84	103	123%

Planned velocity

### Phase 4 Releases Cumulative Variance

Notocoo	r idinica volocity	Actual velocity	Gamaianve variance
R4.1	309	114	-195
R4.2	85	174	-106
R4.3	85	124	-67
Golden Record Mid-Sprint Deployment (MSD)	0	68	1
R4.4	240	225	-14
R4.5	95	76	-33
R4.6	84	103	-14

Actual velocity

Cumulative variance



### **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

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.



# **Appendix A**

### **Finding Criticality Ratings**

Criticality Rating	Definition
0	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.
10	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**

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
- 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
- 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



### 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**

Process Area	August	September	October	November	December	January	February	March	April	May
User Story Validation										
Test Practice Validation										
Sprint Planning										
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** 

	D Finding	Finding Statement	Analysis and Significance	Recommendation	Finding Update	Category	Туре	Priority	Status	Closed Date	Identified Date	Owner	1
													<u> </u>
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	Having board(s) in Azure DevOps or a document on		Test Practice	Issue	Medium	Open		12/31/2019	Gautam	
	consistently performed, production release: are breaking and/or deprecating existing	production specific to Integrated Support and Life Trajectory functionality. DDD has informed IV&V that there are other	necessary to prevent both defects and the deprecation of production functionality when a release is pushed live. When	SharePoint that provides information about the status of regression testing automation, to facilitate	combination of automated and manual testing, was executed 5/17/24 – 5/29/24 and completed	Validation						Gulvady	
	functionality in the production environment		defects occur in production, the project should follow a defined	visibility and transparency to BHA project personnel	successfully - three (3) bugs (1 medium and 2								
	Tunctionality in the production environment	examples of functionality being deprecated after a release, some of which are still being investigated. As of this report,	and repeatable process for determining the root cause of the	and stakeholders.	low priority) resulted from the testing and have								
		IV&V has not evaluated the project's root cause analysis (RCA)		and stakenoluers.	been added to the backlog. Minimal progress								
		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 farther with Shirt Insulating 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								
				AzureDevOps and Tricentis for test automation at the	the automated regression test scripts that have								
				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								
	I			performing regression testing.		1					1		
1	I					1					1		
				4. Determine if current regression testing timeframes									
	I			are adequate and if not, add more time to the pre-	combination of automated and manual testing	1					1		
				production regression test efforts for all release	and is to be executed 5/17/24 – 5/29/24.								
				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.								
14	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	
1	may continue to face impactful system	due to multi-faceted quality issues were individually addressed		level to ensure they meet BHA support requirements.	smoke testing was executed successfully on	,					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Gulvady	
	defects.	during this reporting period. IV&V notes that there is one	defects discovered to date.		5/31/24, users encountered a significant							1 '	
		remaining defect still being evaluated that affects a limited		Perform CAMHD revenue neutrality fiscal balance	problem with the Calculator where users were		1	1					
		remaining defect still being evaluated that affects a limited number of claims. Overall, the Project Team has responded		Perform CAMHD revenue neutrality fiscal balance testing on a quarterly basis to ensure revenues are as	problem with the Calculator where users were not able to generate authorizations set to one-								
		number of claims. Overall, the Project Team has responded			not able to generate authorizations set to one-								
1				testing on a quarterly basis to ensure revenues are as									
		number of claims. Overall, the Project Team has responded with a commitment to increase project quality and is in the		testing on a quarterly basis to ensure revenues are as	not able to generate authorizations set to one- time recurrence. A hot-fix to resolve this issue								
		number of claims. Overall, the Project Team has responded with a commitment to increase project quality and is in the process of identifying improvements to associated testing		testing on a quarterly basis to ensure revenues are as	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								
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ID	Finding	Finding Statement	Analysis and Significance	Recommendation	Finding Update	Category	Туре	Priority	Status	Closed Date	Identified Date	Owner	
													1
31	Lack of regular Sprint reviews and sprint	Earlier in the project, end-of-sprint demos were conducted.	Based on Agile Best Practices, Sprint Demoes or reviews occur	According to Agile Best Practices, IV&V recommends		Sprint Planning	Risk	Medium	Open		7/26/2023	Gautam	
	demos will likely lead to misalignments	Sprint reviews/demos help to bring alignment across the team	during a sprint with the development team, scrum master, and	including Sprint reviews and demos in future releases								Gulvady	
	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	demonstrate the FHIR and Maui Wildfire								
	needs.	software and teams. Sprint demos /reviews showcase the		assess the completion of user stories, review	communication functionality to stakeholders.								
		main functionality to stakeholders and incorporate their	Sprint reviews/demos are crucial in bringing alignment across	important metrics and outcomes, and confirm if the	Dates for the demos are yet to be finalized.								
		feedback. Currently, the project has joint testing involving the	the team and stakeholders. It is a great opportunity for the	Sprint goal has been achieved. This approach would									
		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-	04/30/2024 - Per discussions regarding new								
		having Sprint demos/reviews during a sprint helps clarify and	being delivered and receive feedback. This way, the team can	prepared for the next Sprint. These are some	functionality/features in R4.6, the SI vendor will								
		validate design prior to testing, steer the team in the right	gauge responses and make observations earlier during	recommendations for project alignment, stakeholder	demonstrate the Maui Wildfire communication								
		direction, and help to avoid big mistakes. This would also allow	development and not later during testing. Celebrating the team's	engagement, quality assurance, transparency, and	functionality to stakeholders in May 2024.								
		the testing team to focus solely on testing, which is beneficial.	accomplishments is also an essential part of these demos.	the incorporation of user feedback.									
			Moreover, they are invaluable in steering the team in the right		03/31/2024 - Discussions regarding new								
			direction and avoiding big mistakes. It's interesting to note that	Strengthen the collaboration between	functionality/features in R4.6 that would								
			the Sprint demo could bring to light bugs such as R4.1 bug 34055	development teams and stakeholders by enhancing	warrant demonstration are ongoing.								
			on the Portal, where the checkbox is on the left of the text.	communication channels. Regularly validate project	Accordingly, the vendor should schedule								
				objectives and ensure that sprint deliverables remain	demonstrations of new functionality/features								
				consistent with stakeholder requirements.	as part of Sprint Reviews.								
				·									
l	1	1	1	2. Foster active participation from users and	02/29/2024 - Discussions are on-going about	1	1	1	I	I	1	1	
				stakeholders during both Sprint Reviews and Sprint	R4.5 and R4.6 new functionality/features that		1	1	l			1	
				Demos. Emphasize the value of iterative feedback to	would be demonstrated. Accordingly, the		1	1	l			1	
				guide development and ensure that user needs are	vendor to schedule demonstrations of new								
1	1	1	1	consistently met.	functionality/features as part of Sprint Reviews.	1	1	1	I	I	1	1	
				Consistently met.	functionality/features as part of sprint Reviews.								
				3 5-4-61-6 -4	01/31/2024 - The vendor to schedule								
				3. Establish standardized communication protocols	I to the second								
				for both Sprint Reviews and Sprint Demos. Encourage	demonstrations of new functionality/features								
				teams to deliver concise and informative progress	as part of Sprint Reviews going forward.								
				reports, including achievements, challenges, and									
				future plans. This will enhance stakeholder	12/31/2023 - The vendor and BHA have a								
				engagement and project transparency.	product backlog review process in place. IV&V								
					will review the product backlog (living artifact),								
				Create a stakeholder register to identify all	observe the product backlog review process								
				stakeholders. List their identification, assessment,	and will monitor future Sprint reviews.								
				and classification. Review the register regularly to			1.			- 1- 1 1 1		+	
32		Due to issues with the Golden Record (GR) solution, the	GR implementaion has been delayed several times. As a result,	Identify stakeholders (output is stakeholder	03/31/2024 - CAMHD and DDD stakeholders	Release/Deployment	Issue	Medium	Closed	3/31/2024	7/10/2023	Gautam	
	be delayed.	project may experience delays and a shift in focus from critical	GR is impacting the INSPIRE release schedule. E.g., mid-sprint	register) and develop a RACI matrix for the project to	continued to meet in March 2024 to clarify	Planning						Gulvady	
		functionality. The GR is a crucial element that affects several	deployment (MSD) has been postponed multiple times. BHA	ensure adequate communication and stakeholder	open questions regarding future GR								
		user stories dependent on it. The deployment of the GR has	reviewing original requirements and evaluating if BHA needs to	participation.	development and potential 3rd-party tool	1	1						
		been postponed to 08/19/2023, resulting in the transfer of	revisit the design.		integration. One GR user story was								
		approximately 150 story points into R4.2 and subsequent	revisit the design.	Identify the objective of implementing GR	implemented in R4.5, and no further GR								
			revisit the design.	Identify the objective of implementing GR production data use, benefits, current gaps in design,	implemented in R4.5, and no further GR								
		approximately 150 story points into R4.2 and subsequent	revisit the design.		implemented in R4.5, and no further GR								
		approximately 150 story points into R4.2 and subsequent releases. However, it is unclear which releases will include the	revisit the design.	production data use, benefits, current gaps in design,	implemented in R4.5, and no further GR								
		approximately 150 story points into R4.2 and subsequent releases. However, it is unclear which releases will include the	revisit the design.	production data use, benefits, current gaps in design, effort estimates, resource commitments, and impact	implemented in R4.5, and no further GR development will be conducted. Finding closed.								
		approximately 150 story points into R4.2 and subsequent releases. However, it is unclear which releases will include the	revisit the design.	production data use, benefits, current gaps in design, effort estimates, resource commitments, and impact	implemented in R4.5, and no further GR development will be conducted. Finding closed. 02/29/2024 - CAMHD and DDD Stakeholders to								
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		approximately 150 story points into R4.2 and subsequent releases. However, it is unclear which releases will include the	revisit the design.	production data use, benefits, current gaps in design, effort estimates, resource commitments, and impact of having/not having GR.  3. Prior to implementation of the GR, needed	implemented in R4.5, and no further GR development will be conducted. Finding closed. 02/29/2024 - CAMHD and DDD Stakeholders to meet in March 2024 to clarify open questions, e.g., when GR development would be								
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													<u> </u>
33	Performance bottlenecks with the INSPIRE	Performance issues have been identified that have the	Developmental Disability Division (DDD) personnel are	The last performance test was executed in June	05/31/2024 - The performance test execution	Project Management	Issue	Medium	Open		8/18/2023	Gautam	
	production environment may result in low		encountering performance issues with re-assigning cases and	2023 for phase 3 releases (R3.x). ~800+ new User	will commence on Tuesday, 6/4/24, and will							Gulvady	
	productivity and poor user experience.	and the overall reliability of the system. These performance	opening the DDD – Contact Notes (Fiscal View – Complete) view.	Story Points (USPs) have been developed since the	end on Wednesday, 6/12/24. The scope of the								
		issues warrant immediate attention and resolution.	CAMHD has not reported performance issues.	last performance test execution. IV&V recommends	performance test will align with the regression								
				BHA execute a performance test during the	test cases.								
				development of R4.6 (planned completion									
				5/20/2024), identifying test cases and scenarios that	04/30/2024 - BHA is continuing discussions with								
				include both DDD and CAMHD functionality,	Microsoft regarding scope, schedule, and								
				transactions/functionality that are performance	estimate of the effort and cost to execute the								
				intensive, e.g., calculator functionality.	performance test, leveraging the existing Health								
					Information Systems Office (HISO) contract with								
				Conduct load and performance testing for each	Microsoft. The plan is to excute the next								
				release that has significant new	performance test in June 2024.								
				features/functionality, e.g., calculator-related									
				transactions.	03/31/2024 - To address the IV&V								
					recommendation #1, BHA and the SI vendor are								
				Create a plan for comprehensive performance testing and address any performance bottlenecks.	having discussions to define scope, schedule,								
				testing and address any performance bottlenecks.	and to estimate the effort and cost to conduct a								
				A Usuadha haraharah sasarah da "	performance test prior to R4.6 implementation on 5/30/24. The plan is to execute the test in	1		1			1	1	
				4. Have the benchmark assessments done annually									
	1			and implementation of Azure App Insights for Power Platform.	May 2024. BHA plans to leverage the existing Health Information Systems Office (HISO)	I	1	1			1	1	
				Platform.									
				5. Execute test scripts that measure the run-time for	contract with Microsoft to conduct the performance test.	1		1			1	1	
				execution of long-running transactions. E.g.,	performance test.								
					03/30/3034 Por the IVEV recommendation								
				calculator functionality/transactions and monitoring results over time.	02/29/2024 - Per the IV&V recommendation about scheduling the next performance test,								
				results over time.	CAMHD and DDD will have discussions about								
					the scope and schedule for the next								
					performance test.								
					performance test.								
					01/31/2024 - IV&V to discuss the criteria for								
					selecting upcoming release(s) for performance								
					testing (as part of planning performance test)								
34	Shortage of Behavioral Health	Key BHA project resources have reported constraints on how	If BHA 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	
	Administration (BHA) project resources could	much time they can devote to the project. The departure of	resources continue to be constrained, the project could	team members' daily responsibilities to other staff.	automated regression testing resource and is	1			'				
	lead to reduced productivity and project	the Child and Adolescent Mental Health Division (CAMHD)	experience a reduction in productivity and project delays.		currently evaluating candidates. DDD plans to								
	delays.	System Management Office Manager and CAMHD Inspire		2. BHA should work quickly to backfill vacated project	request one (1) business analyst position. No								
		Project Lead could further impact the project if DOH cannot		team member positions.	new update.								
		acquire suitable resources. The lack of capacity of the DOH test											
		script developer has slowed DOH's automated test script		3. BHA should identify tasks and duties that they can	04/30/2024 - DDD is planning to add an								
		development.		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.								
				4. 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)								
					business analyst position to address resource								
					shortages.	1		1			1	1	
	1				01/31/2024 - There continue to be significant	I	1	1			1	1	
					project resource shortages, as per the	1		1			1	1	
					resources documented in APDU #6. This finding	1		1			1	1	
	1				was changed from a Risk to an Issue.	1		1			1	1	
		1	1			1		1			1	1	
					12/31/2023 - During the Steering committee	1	I	1	ı		I	1	
												1	
					meeting on 12/12/2023, DDD representative								
					communicated since the three positions were								
					communicated since the three positions were not included in the budget, DDD to submit a								
					communicated since the three positions were								
					communicated since the three positions were not included in the budget, DDD to submit a variance for an IT position.								
					communicated since the three positions were not included in the budget, DDD to submit a variance for an IT position.  11/30/2023 - DDD took proactive steps to								
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					communicated since the three positions were not included in the budget, DDD to submit a variance for an IT position.  11/30/2023 - DDD took proactive steps to address the IT shortages by creating three position descriptions along with justifications.								
					communicated since the three positions were not included in the budget, DDD to submit a variance for an IT position.  11/30/2023 - DDD took proactive steps to address the IT shortages by creating three								

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25		20.00			24/22/22/2		0.11	11/4		4/20/2024	0.40.40000		1
35		R3.33 work started, and the SI vendor was working with BHA			04/30/2024 - Standardizing (ongoing process)	Project Management	Preliminary	N/A	Closed	4/30/2024	8/2/2023	Gautam	
	to clutter and reduce Azure DevOps	on the Statement of Work (SOW). BHA made the decision not	and stakeholders to accurately track and report defects and user	and configuration of the Azure DevOps (AD)	tags used in Azure DevOps and cleaning up the		Concern				1	Gulvady	
		to implement R3.33 and moved on to the next big phase of		environment should be regularly monitored to	Azure DevOps environment is an ongoing						1		
	project management and tracking needs.	work, starting with R4.1. Project team members will see some	be implemented in Rx.y, monitor and measure the team's	prevent clutter and maintain its effectiveness in	process. Post-production bugs are tagged "Post						1		
		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						1		
		should be updated to R4.1 or an appropriate future release.		tracking needs.	release(s). IV&V has closed this preliminary						1		
		There is still cleanup happening for items that are in the	effectiveness in supporting project management needs.		concern.						1		
		parking lot, which may state R3.33 until those items are		2. Configuration Review: Evaluate the Azure DevOps							1		
		assigned to a release.		(AD) configuration settings. Ensure workflows, issue	03/31/2024 - Standardizing (ongoing process)						1		
				types, custom fields, and other settings are aligned	tags used in Azure DevOps and cleaning up the						1		
				with the project's needs and industry best practices.	Azure DevOps environment is an ongoing						1		
					process. E.g., some post-production bugs are						1		
				<ol><li>Optimize Boards and Filters: Review the boards,</li></ol>	tagged "Post Go-Live Bug" with tags for the						1		
				filters, and tags in Azure DevOps (AD) to ensure they	appropriate release(s). IV&V will monitor the						1		
				accurately reflect the status of work, and they are	progress.						1		
				designed to facilitate efficient tracking and							1		
				collaboration. This will help streamline and make it	02/29/2024 - Standardizing (ongoing process)						1		
				easier to find relevant information.	tags used in Azure DevOps and cleaning up the						1		
	l			1	Azure DevOps environment are ongoing. E.g.,		1	1	l	I	1	1	1
	l			4. User Training and Best Practices: Provide training	post-production bugs are tagged "Post Go-Live		1	1	l	I	1	1	1
				to Azure DevOps (AD) users to ensure they are using	Bug" with tags for the appropriate release(s).		1	1	I		1		
				the tool effectively. Share best practices for issue	IV&V will monitor the progress.						1		
				creation, workflow management, and collaboration.	Trace and monitor the progress.						1		
	l			Coulon, worknow management, and conautration.	01/31/2024 - RSM and BHA are standardizing		1	1	l	I	1	1	1
				5 5-4-blish - also for any declaration of Asses							1		
				5. Establish a plan for regular maintenance of Azure	(on-going process) the tags used in Azure						1		
				DevOps (AD). Regularly review and clean up old	DevOps and their usage, and are cleaning up						1		
				issues, adjust workflows as needed, and ensure that	the Azure DevOps environment. E.g., the four						1		
				configurations remain aligned with evolving needs.	(4) R4.4 post-production bugs are tagged "Post						1		
					Go-Live Bug". IV&V will monitor the progress.						1		
											1		
					12/31/2023 - RSM and BHA are standardizing						1		
					(on-going process) the tags used in Azure						1		
					DevOps and their usage, and are cleaning up						1		
					the Azure DevOps environment. The tags will be						1		
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.	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						1	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						1		
					be delivered shortly after the project kick-off.						1		
				Create and baseline a comprehensive project							1		
				schedule in MS project, Smartsheet, or a similar tool,	04/30/2024 - The Data Exchange Agreement						1		
				containing tasks for both SI vendor and State, task	(DEA) between DDD and MQD is being finalized.						1		
				dependencies, and resourcing.	BHA plans ito commence the Analytics project						1		
					in June 2024 once the DEA is executed.						1		
				3. Implement regular schedule reviews and updates							1		
				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		
				milestones.	executed. The Analytics project will commence						1		
											1		
					once the DEA is executed.						1		
											1		
					02/29/2024 - The project currently utilizes a		1	1	I		1		
					high-level Gantt chart, which shows planned		1	1	I		1		
					release dates but does not provide visibility to		1	1	I		1		
					task completion, tasks behind schedule,		1	1	I		1		
					resource allocation, etc. The Data Sharing		1	1	I		1		
					Agreement (DSA) between DDD and MQD is yet		1	1	I		1		
					to be executed. The Analytics project will		1	1	I		1		
					commence once the DSA is executed. A		1	1	I		1		
	l			1	schedule for the analytics project will be		1	1	l	I	1	1	1
					developed once the start date is known. IV&V		1	1	I		1		
					recommends also developing a schedule for		1	1	I		1		
					Phase 4.		1	1	I		1		
	l			1	7		1	1	l	I	1	1	1
	l			1	01/31/2024 - Delays in executing the Data		1	1	l	I	1	1	1
ı	l			1	Sharing Agreement (DSA) contract between		1	1	l	I	1	1	1
1					DDD and MQD. The Department. of Human		1	1	I		1		
					Services (DHS) has delayed the commencement		1	1	I		1		
1	l			I			1	1	I		1		
					of the Analytics project. IV&V has yet to see a comprehensive project schedule for the		1	1			1	1	

ID FINGI	ding	Finding Statement	Analysis and Significance	Recommendation	Finding Update	Category	Туре	Priority	Status	Closed Date	Identified Date	Owner	
													<u> </u>
	e to on-going deployment processes and	Several post-production bugs have been encountered in the Phase 4 release, R4.4.	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 Gulvady	
	thnical execution issues, the Project may ntinue to encounter defects and	Phase 4 release, R4.4.	flow is failing in production" (bug# 34886	deployments for resource savings, increased	smoke testing was executed successfully on	Planning						Guivady	
	allenges, e.g., when releases are in		https://dev.azure.com/DOHBHA/DOH%20BHA%20INSPIRE/_wor kitems/edit/34886), what is in development and deployed is	efficiency, consistency, faster time to market, improved collaboration and reliability, scalability,	5/31/24, users encountered a significant problem with the Calculator where users were								
			1		Ir								
	oduction or in meeting projected timelines production and non-production		vastly different from what was deployed to production.	version control integration, and rollback capability.	not able to generate authorizations set to a one- time recurrence(a hot-fix was deployed on								
	ployments.		The root cause for these errors is currently being investigated.	Ensure there are adequate and qualified resources	Friday, 5/31/24) and there are two (2) other								
uepic	pioyments.		The root cause for these errors is currently being investigated.	to support the current deployment processes. This									
			Repeatable documented release and deployment and resources	may require the support from RSM resources to	post-production bugs. It is yet to be determined if all three post-production defects are								
			experienced with deployments will help ensure that mistakes are	provide assistance and knowledge transfer for some	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.	of the more complex deployment components.	deployment. Fast Health Interoperability								
			when deployments take place.	3. As appropriate, consult with RSM on best practices									
				that BHA could employ to support deployment.	testing is ongoing, and once complete, FHIR								
				that BHA could employ to support deployment.	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								
				associated with the consistency of configurations	planned between R4.6 and R4.7.								
				across environments, ensuring that the test	planned between N4.0 and N4.7.								
				environment is capable of testing ALL functions of	04/30/2024 - There were no deployment								
				any given release without the need for using multiple									
				test environments.	scheduled for 5/30/24. IV&V will monitor the								
					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	F,								
				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								
					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								
	provements 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	Identify stakeholders (output is stakeholder	05/31/2024 - IV&V has shared Stakeholder	Test Practice	Issue	Medium	Open		1/31/2024	Gautam	
	eded 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	
	w 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.	1	l		1 1				
deplo	ployment.	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									
deplo	ployment.		result, time was expended by testing resources, testing was inadequate, and a user story may have been deemed to meet	Review the overall testing process and implement any needed improvements identified.	Practices) for BHA to populate.  04/30/2024 - No new update.								
deplo	ployment.	approval of test scenarios, test cases, and test results to	result, time was expended by testing resources, testing was		04/30/2024 - No new update.								
deplo	ployment.	approval of test scenarios, test cases, and test results to	result, time was expended by testing resources, testing was inadequate, and a user story may have been deemed to meet		04/30/2024 - No new update. 03/31/2024 - CAMHD is populating the								
deplo	oloyment.	approval of test scenarios, test cases, and test results to	result, time was expended by testing resources, testing was inadequate, and a user story may have been deemed to meet		04/30/2024 - No new update. 03/31/2024 - CAMHD is populating the stakeholder registry and the RACI matrix to								
deplo	oloyment.	approval of test scenarios, test cases, and test results to	result, time was expended by testing resources, testing was inadequate, and a user story may have been deemed to meet		04/30/2024 - No new update. 03/31/2024 - CAMHD is populating the stakeholder registry and the RACI matrix to address adequate statewide participation and								
deplo	oloyment.	approval of test scenarios, test cases, and test results to	result, time was expended by testing resources, testing was inadequate, and a user story may have been deemed to meet		04/30/2024 - No new update. 03/31/2024 - CAMHD is populating the stakeholder registry and the RACI matrix to								
deplo	oloyment.	approval of test scenarios, test cases, and test results to	result, time was expended by testing resources, testing was inadequate, and a user story may have been deemed to meet		04/30/2024 - No new update. 03/31/2024 - CAMHD is populating the stakeholder registry and the RACI matrix to address adequate statewide participation and engagement in the testing process.								
deplo	oloyment.	approval of test scenarios, test cases, and test results to	result, time was expended by testing resources, testing was inadequate, and a user story may have been deemed to meet		04/30/2024 - No new update. 03/31/2024 - CAMHD is populating the stakeholder registry and the RACI matrix to address adequate statewide participation and engagement in the testing process. 02/29/2024 - CAMHD is developing a								
deplo	oloyment.	approval of test scenarios, test cases, and test results to	result, time was expended by testing resources, testing was inadequate, and a user story may have been deemed to meet		04/30/2024 - No new update. 03/31/2024 - CAMHD is populating the stakeholder registry and the RACI matrix to address adequate statewide participation and engagement in the testing process. 02/29/2024 - CAMHD is developing a Stakeholder registry and RACI matrix to address								
depic	oloyment.	approval of test scenarios, test cases, and test results to	result, time was expended by testing resources, testing was inadequate, and a user story may have been deemed to meet		04/30/2024 - No new update. 03/31/2024 - CAMHD is populating the stakeholder registry and the RACI matrix to address adequate statewide participation and engagement in the testing process. 02/29/2024 - CAMHD is developing a Stakeholder registry and RACI matrix to address adequate statewide participation in the testing								
deplo	ployment.	approval of test scenarios, test cases, and test results to	result, time was expended by testing resources, testing was inadequate, and a user story may have been deemed to meet		04/30/2024 - No new update.  03/31/2024 - CAMHD is populating the stakeholder registry and the RACI matrix to address adequate statewide participation and engagement in the testing process.  02/29/2024 - CAMHD is developing a Stakeholder registry and RACI matrix to address adequate statewide participation in the testing process.								
deplo	ployment.	approval of test scenarios, test cases, and test results to	result, time was expended by testing resources, testing was inadequate, and a user story may have been deemed to meet		04/30/2024 - No new update.  03/31/2024 - CAMHD is populating the stakeholder registry and the RACI matrix to address adequate statewide participation and engagement in the testing process.  02/29/2024 - CAMHD is developing a Stakeholder registry and RACI matrix to address adequate statewide participation in the testing process.								
deplo	ployment.	approval of test scenarios, test cases, and test results to	result, time was expended by testing resources, testing was inadequate, and a user story may have been deemed to meet		04/30/2024 - No new update. 03/31/2024 - CAMHD is populating the stakeholder registry and the RACI matrix to address adequate statewide participation and engagement in the testing process. 02/29/2024 - CAMHD is developing a Stakeholder registry and RACI matrix to address adequate statewide participation in the testing process. 02/29/2024 - CAMHD is developing a Stakeholder registry and RACI matrix to address Stakeholder registry and RACI matrix to address								
deplo	ployment.	approval of test scenarios, test cases, and test results to	result, time was expended by testing resources, testing was inadequate, and a user story may have been deemed to meet		04/30/2024 - No new update.  03/31/2024 - CAMHD is populating the stakeholder registry and the RACI matrix to address adequate statewide participation and engagement in the testing process.  02/29/2024 - CAMHD is developing a Stakeholder registry and RACI matrix to address adequate statewide participation in the testing process.  02/29/2024 - CAMHD is developing a Stakeholder registry and RACI matrix to address adequate statewide participation in the testing process.								
deplo	of the second se	approval of test scenarios, test cases, and test results to	result, time was expended by testing resources, testing was inadequate, and a user story may have been deemed to meet		04/30/2024 - No new update. 03/31/2024 - CAMHD is populating the stakeholder registry and the RACI matrix to address adequate statewide participation and engagement in the testing process. 02/29/2024 - CAMHD is developing a Stakeholder registry and RACI matrix to address adequate statewide participation in the testing process. 02/29/2024 - CAMHD is developing a Stakeholder registry and RACI matrix to address Stakeholder registry and RACI matrix to address								
deplo	ployment.	approval of test scenarios, test cases, and test results to	result, time was expended by testing resources, testing was inadequate, and a user story may have been deemed to meet		04/30/2024 - No new update.  03/31/2024 - CAMHD is populating the stakeholder registry and the RACI matrix to address adequate statewide participation and engagement in the testing process.  02/29/2024 - CAMHD is developing a Stakeholder registry and RACI matrix to address adequate statewide participation in the testing process.  02/29/2024 - CAMHD is developing a Stakeholder registry and RACI matrix to address adequate statewide participation in the testing process.								
deplo	ployment.	approval of test scenarios, test cases, and test results to	result, time was expended by testing resources, testing was inadequate, and a user story may have been deemed to meet		04/30/2024 - No new update.  03/31/2024 - CAMHD is populating the stakeholder registry and the RACI matrix to address adequate statewide participation and engagement in the testing process.  02/29/2024 - CAMHD is developing a Stakeholder registry and RACI matrix to address adequate statewide participation in the testing process.  02/29/2024 - CAMHD is developing a Stakeholder registry and RACI matrix to address adequate statewide participation in the testing process.  01/31/2024 - When testing user stories 34564								
deplc	ployment.	approval of test scenarios, test cases, and test results to	result, time was expended by testing resources, testing was inadequate, and a user story may have been deemed to meet		04/30/2024 - No new update.  03/31/2024 - CAMHD is populating the stakeholder registry and the RACI matrix to address adequate statewide participation and engagement in the testing process.  02/29/2024 - CAMHD is developing a Stakeholder registry and RACI matrix to address adequate statewide participation in the testing process.  02/29/2024 - CAMHD is developing a Stakeholder registry and RACI matrix to address adequate statewide participation in the testing process.  01/31/2024 - CAMHD is developing a Stakeholder registry and RACI matrix to address adequate statewide participation in the testing process.  01/31/2024 - When testing user stories 34564 and 34756 on 1/31/24, the test tasks did not								
deplc	ployment.	approval of test scenarios, test cases, and test results to	result, time was expended by testing resources, testing was inadequate, and a user story may have been deemed to meet		04/30/2024 - No new update.  03/31/2024 - CAMHD is populating the stakeholder registry and the RACI matrix to address adequate statewide participation and engagement in the testing process.  02/29/2024 - CAMHD is developing a Stakeholder registry and RACI matrix to address adequate statewide participation in the testing process.  02/29/2024 - CAMHD is developing a Stakeholder registry and RACI matrix to address adequate statewide participation in the testing process.  01/31/2024 - When testing user stories 34564 and 34756 on 1/31/24, the test tasks did not reflect the real use cases to give stakeholders								
depic	ployment.	approval of test scenarios, test cases, and test results to	result, time was expended by testing resources, testing was inadequate, and a user story may have been deemed to meet		04/30/2024 - No new update.  03/31/2024 - CAMHD is populating the stakeholder registry and the RACI matrix to address adequate statewide participation and engagement in the testing process.  02/29/2024 - CAMHD is developing a Stakeholder registry and RACI matrix to address adequate statewide participation in the testing process.  02/29/2024 - CAMHD is developing a Stakeholder registry and RACI matrix to address adequate statewide participation in the testing process.  01/31/2024 - CAMHD is developing a Stakeholder registry and RACI matrix to address adequate statewide participation in the testing process.  01/31/2024 - When testing user stories 34564 and 34756 on 1/31/24, the test tasks did not								
deplc	of the second se	approval of test scenarios, test cases, and test results to	result, time was expended by testing resources, testing was inadequate, and a user story may have been deemed to meet		04/30/2024 - No new update.  03/31/2024 - CAMHD is populating the stakeholder registry and the RACI matrix to address adequate statewide participation and engagement in the testing process.  02/29/2024 - CAMHD is developing a Stakeholder registry and RACI matrix to address adequate statewide participation in the testing process.  02/29/2024 - CAMHD is developing a Stakeholder registry and RACI matrix to address adequate statewide participation in the testing process.  01/31/2024 - When testing user stories 34564 and 34756 on 1/31/24, the test tasks did not reflect the real use cases to give stakeholders adequate ordidence that the user story could								
deplo	in the second se	approval of test scenarios, test cases, and test results to	result, time was expended by testing resources, testing was inadequate, and a user story may have been deemed to meet		04/30/2024 - No new update.  03/31/2024 - CAMHD is populating the stakeholder registry and the RACI matrix to address adequate statewide participation and engagement in the testing process.  02/29/2024 - CAMHD is developing a Stakeholder registry and RACI matrix to address adequate statewide participation in the testing process.  02/29/2024 - CAMHD is developing a Stakeholder registry and RACI matrix to address adequate statewide participation in the testing process.  01/31/2024 - When testing user stories 34564 and 34756 on 1/31/24, the test tasks did not reflect the real use cases to give stakeholders adequate ordidence that the user story could								

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back	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		Sprint Planning	Risk	Medium	Open		1/26/2024	Gautam	
	backlog review meetings can pose several	meetings and/or weekly issues meetings. This can lead to, e.g.,		(during sprints) would allow clarifying any	register and RACI templates (based on Best		1					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		1					1	
	1	managing complexity, and delayed decision making.	Master, and development team members, inspect and adapt the		stakeholder registry and the RACI matrix are		1					1	
	1		product backlog.	would allow the project team to avoid situations	finalized, BHA plans to schedule product		1					1	
	1			where decisions about including items mid-sprint	backlog review meetings.		1					1	
	1		The product backlog review is an important Scrum ceremony	would have to be taken.			1					1	
	1		that helps keep the backlog relevant, up-to-date, and aligned		04/30/2024 - BHA plans to populate the		1					1	
	1		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		1					1	
			typically happens during a product backlog review:	product backlog review meetings (during sprints)	have adequate statewide participation and		1					1	
	1			where all relevant stakeholders are invited to review	engagement in product backlog review		1					1	
	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		1					1	
			product backlog. This involves discussing each item,	appropriate time(s) such that there is sufficient time	RACI matrix are finalized, BHA to schedule		1					1	
	1		understanding its priority, value, and acceptance criteria.	to plan the design, development, and	product backlog review meetings.		1					1	
			2. Ensuring Clarity: The team ensures that each backlog item is	implementation (DDI) of the next release(s).			1					1	
			clear and well-understood. Any ambiguities or uncertainties are		03/31/2024 - BHA to schedule separate product		1					1	
			clarified at this stage.		backlog review meetings.		1					1	
			3. Estimation: Estimation of backlog items may occur during the				1					1	
	1		review. The team may use techniques like story points or relative	1	02/29/2024 - Product backlog reviews are still						1	1	
	1		sizing to estimate the effort required for each item.	1	done during design meetings and/or weekly						1	1	
	1		Re-prioritization: Based on new insights, changes in	1	issues meetings. The project team						1	1	
	1		requirements, or stakeholder feedback, the team may need to re-	1	contemplated a mid-sprint deployment (MSD)	I	1	1			1	1	
	1		prioritize items in the backlog.	1	for three (3) items (AER, Maui Wildfire SMS, and		1	1			1	1	
	1		Removing or Adding Items: Items that are no longer relevant	1	ISP modifications) - AER was deployed on		1	1			1	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		1					1	
			emerge or are identified as important may be added.		deployed in R4.5. BHA to schedule separate		1					1	
			6. Refinement: Backlog refinement may also occur during the		dedicated product backlog meetings for scoping		1					1	
			review. This involves breaking down large items into smaller,		R4.6 to help avoid the need for including items		1					1	
			more manageable ones, or adding more detail to items as		mid-sprint.		1					1	
			needed.				1					1	
	1		7. Collaboration: The review is a collaborative effort involving the		01/31/2024 - Currently, product backlog		1					1	
			entire Scrum team. It's an opportunity for open discussion and		reviews are done during design meetings		1					1	
	1		sharing of ideas to ensure everyone is aligned on the goals and		and/or weekly issues meetings. The Product		1					1	
	<del></del>		priorities.		backlog review is a more structured meeting		1.		_		- / /	<del> </del>	
42		Lack of effective governance and communication among	Ineffective governance and communication among stakeholders	IVV recommends considering the following	05/31/2024 - Collaboration between DDD and	Project Management	Issue	Medium	Open		2/29/2024	Gautam	
	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.		1					Gulvady	
		in several ways.	stakeholder disengagement, misunderstandings, conflict and	and communication among stakeholders:			1					1	
	1		tension, misalignment of objectives, increased risks, unclear	L	04/30/2024 - CAMHD and DDD continued to		1					1	
	1			Create a Governance Structure: Implement a	collaborate on the security assessments.		1					1	
			project is the development and implementation of Golden	governance structure that defines decision-making			1					1	
					03/31/2023 - Division heads from three (3)	1	1	1			1	1	
			Record/Master Data Management (MDM).	processes, escalation procedures, and accountability		1					1	1	
	l .			mechanisms. Clarify how decisions will be made, who	divisions, the Developmental Disabilities		1						
			Record/Master Data Management (MDM).  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	divisions, the Developmental Disabilities Division (DDD), Child & Adolescent Mental Health Division (CAMHD), and Alcohol & Drug								
			The lack of effective governance and communication among	mechanisms. Clarify how decisions will be made, who	divisions, the Developmental Disabilities 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.	divisions, the Developmental Disabilities 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	divisions, the Developmental Disabilities Division (DDD), Child & Adolescent Mental Health Division (CAMHD), and Alcohol & Drug Abuse Division (ADAD), met in March 2024 to								
			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	divisions, the Developmental Disabilities 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								
			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	divisions, the Developmental Disabilities 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-								
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ID	Finding	Finding Statement	Analysis and Significance	Recommendation	Finding Update	Category	Туре	Priority	Status	Closed Date	Identified Date	Owner	
43	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 was not going to complete 100% of the operations because of the different folder structures in Production. And this process/jobs has been updated many time to address different folder structures that were captured during testing, but there is no guarantee that it covers every possible scenario - some operations failed because 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.	IVV recommends doing an impact analysis, e.g., downstream impact.  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	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	