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April 15, 2024

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

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

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

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

Sincerely,

Douglas Murdock 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 March 1 – March 31, 2024

Submitted: April 12, 2024



Solutions that Matter

Agenda

Executive Summary IV&V Findings & Recommendations

Appendices

- A Rating Scales
- B Inputs
- C Project Trends





R4.5 regression testing was completed successfully. R4.5 was deployed to production on 3/28/24, and smoke testing in production is planned for completion on 4/1/24. As of the March reporting period, the Tricentis regression testing tool coaching sessions have been completed. IV&V will continue to monitor and review automated regression testing results and status reporting. R4.5 regression testing was a combination of automated and manual testing and was completed successfully. R4.6 regression testing is also expected to be a combination of manual and automated regression testing.

Three (3) (severity: 2 critical, 1 medium) of six (6) R4.4 post-production bugs have been fixed and tested (in development and test environments), and the fixes were deployed to production with R4.5. Four (4) of these bugs are deployment-related. IV&V will monitor the progress and quality of the R4.5 deployment.

CAMHD and DDD Stakeholders continued to meet in March 2024 to clarify open questions and next steps regarding future GR development and potential 3rd-party tool integration. One GR user story was implemented in R4.5, and no further GR features will be developed. The finding (#32) was closed during this reporting period.

The Fast Healthcare Interoperability Resources (FHIR) project is continuing to progress. The System Integrator (SI) vendor and Microsoft (MS) are currently testing with Apple Health.

Jan	Feb	Mar	Category	IV&V Observations
8	3	Y	Sprint Planning	As of the March reporting period, BHA plans to schedule separate product backlog review meetings. Previously, these meetings were conducted during the design meetings and weekly issues meetings. Discussions regarding new functionality/features in R4.6 that would warrant demonstration are ongoing. Accordingly, as part of Sprint Reviews, the vendor should schedule demonstrations of new functionality/features.
G	G	G	User Story (US) Validation	There are no active findings in the User Story (US) Validation category which remains Green (low criticality) for the March reporting period. IV&V will continue to monitor the US development and validation process in upcoming reporting periods.



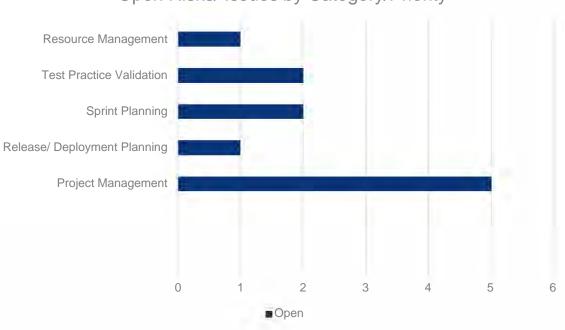
Jan	IN Feb Mar Category IV&V Observations		IV&V Observations	
R	×	Y	Test Practice Validation	As of the March reporting period, the Tricentis regression testing tool coaching sessions have been completed. IV&V will continue to monitor and review automated regression testing results and status reporting. As an additional R4.4 post-production bug has been identified, the efficacy of regression testing should be evaluated. R4.5 regression testing was a combination of automated and manual testing and was completed successfully. R4.6 regression testing is also expected to be a combination of manual and automated regression testing.
				CAMHD is populating the stakeholder registry and the RACI matrix to address adequate statewide participation and engagement in the testing process.
R	R	Y	Release / Deployment Planning	R4.5 regression testing was completed successfully. R4.5 was deployed to Production on 3/28/24, and smoke testing in production is planned for completion on 4/1/24. Three (3) (severity: 2 critical, 1 medium) of six (6) R4.4 post-production bugs have been fixed and tested (in development and test environments), and the fixes were deployed to production with R4.5; four of these bugs are deployment related, three fixes have been deployed. IV&V will monitor the progress and quality of the R4.5 deployment.
G	G	OJT and KT This category remains Green (low criticality) for the March reporting period with n		This category remains Green (low criticality) for the March reporting period with no active findings.
G	G	G	Targeted KT	This category remains Green (low criticality) for the March reporting period. IV&V will continue to monitor.



Jan	Feb	Mar	Category	IV&V Observations
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 March reporting period. There are no outstanding findings in this category, and IV&V will continue to monitor.
R	R	system's functionality, reliability, and user experience. BHA and the SI vendor having discussions to define the scope and schedule and to estimate the effor cost to conduct a performance test prior to R4.6 implementation on 5/30/24. is to execute the test in May 2024. BHA plans to leverage the existing Health Information Systems Office (HISO) contract with Microsoft to conduct the	Performance issues were identified in 2023 that could have a potential impact to the system's functionality, reliability, and user experience. BHA and the SI vendor are having discussions to define the scope and schedule and to estimate the effort and cost to conduct a performance test prior to R4.6 implementation on 5/30/24. The plan is to execute the test in May 2024. BHA plans to leverage the existing Health Information Systems Office (HISO) contract with Microsoft to conduct the performance test.	
-		•	Management	CAMHD and DDD Stakeholders continued to meet in March 2024 to clarify open questions regarding future GR development and potential 3rd-party tool integration. One GR user story was implemented in R4.5, and no further GR features will be developed. The related finding, #32), was closed during this reporting period.
				The Data Exchange Agreement (DEA) between DDD and MQD is yet to be executed. The Analytics project will commence once the DEA is executed.
R	R	Y	Resource Management	As an update to Finding #34, DDD plans to request one (1) business analyst position to address resource shortages.



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



Open Risks/ Issues by Category/Priority



IV&V Findings & Recommendations

IV&V Findings & Recommendations Assessment Categories

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

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

IV&V Findings & Recommendations Sprint Planning

-		
#	Key Findings	Criticality Rating
31	 Medium Risk: Lack of regular Sprint reviews and sprint demos will likely lead to misalignments between delivered work and stakeholder needs. Finding Update: Discussions regarding new functionality/features in R4.6 that would warrant demonstration are ongoing. Accordingly, the vendor should schedule demonstrations of new functionality/features as part of Sprint Reviews. 	M
Reco	ommendations	Status
(R me en pre	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 oject 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. nphasize the value of iterative feedback to guide development and ensure that user needs are consistently et.	Open



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

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

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

#	Key Findings	Criticality Rating
41	Medium Risk: Absence of separate dedicated product backlog review meetings can pose several challenges for a project team Finding Update: BHA to schedule separate product backlog review meetings.	M
Recor	nmendations	Status
oru	parate dedicated product backlog review meetings (during sprints) would allow clarifying any ambiguities incertainties, re-prioritization, estimation and refinement of backlog items. This would allow the project m to avoid situations where decisions about including items Mid-sprint would have to be taken.	Open
rele suc	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) h that there is sufficient time to plan the design, development, and implementation (DDI) of the next base(s).	Open



IV&V Findings & Recommendations Test Practice Validation

#	Key Findings	Criticality Rating
2	 Medium Issue: As a result of automated regression testing not being comprehensively performed, production releases are breaking and/or deprecating existing functionality in the production environment. Finding Update: R4.5 regression testing was a combination of automated and manual testing and was completed successfully. The Tricentis regression testing tool coaching sessions have been completed. IV&V will continue to monitor and review automated regression testing results and status reporting. As an additional R4.4 post-production bug has been identified, the efficacy of regression testing should be evaluated. Minimal progress has been made in developing and executing automated regression test cases. BHA is planning the upgrade of the Tricentis automated regression testing tool, Tosca 2021 version to the 2023 version. R4.6 regression testing will also be a combination of manual and automated regression testing. 	M
Recor	nmendations	Status
• Hav	mmendations ving board(s) in Azure DevOps or a document on SharePoint that provides information about the status of ression testing automation, to facilitate visibility and transparency to BHA project personnel and keholders.	Status In Progress
 Havreg stal Sch will 	ving board(s) in Azure DevOps or a document on SharePoint that provides information about the status of ression testing automation, to facilitate visibility and transparency to BHA project personnel and	_



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

Recommendations	Status
• Determine if current regression testing timeframes are adequate, and if not, add more time to the pre- production regression test efforts for all release deployments.	In Progress

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

#	Key Findings	Criticality Rating
40	 Medium Issue: Improvements to the testing process are needed to ensure adequate CAMHD participation and comprehensive testing of functionality prior to production deployment. Finding Update: CAMHD is populating the stakeholder registry and the RACI matrix to address adequate statewide participation and engagement in the testing process. 	M
Recor	nmendations	Status
• Ide	ntify stakeholders (output is stakeholder register) and develop a RACI matrix for testing.	In Progress
• Re	view the overall testing process and implement any needed improvements identified.	Open

IV&V Findings & Recommendations Release / Deployment Planning

#	Key Findings	Criticality Rating
32	 Closed Medium Issue: Golden Record (GR) project delays are likely to delay the implementation of future features and functionality. Finding Update: CAMHD and DDD Stakeholders continued to meet in March 2024 to clarify open questions regarding future GR development and potential 3rd-party tool integration. One GR user story was implemented in R4.5, and no further GR development will be conducted. Finding closed. 	M
Re	commendations	Status
•	Identify stakeholders (output is stakeholder register) and develop a RACI matrix for the project to ensure adequate communication and stakeholder participation.	Open
•	Identify the objective of implementing GR production data use, benefits, current gaps in design, effort estimates, resource commitments, and impact of having/not having GR.	In Progress
•	Prior to implementation of the GR production data use, needed updates to the consent form should be confirmed and completed, policies/procedures for all users should be confirmed, and all open defects should be resolved.	In Progress
•	Analyze the impact on the future functionalities and assess the implications if this strategic change is needed.	In Progress
•	GR working sessions should be resumed until there is clarity on remaining work to be completed, timeline for completion, etc.	Open



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

#	Key Findings	Criticality Rating
39	 Medium 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: Three (3) (severity: 2 critical, 1 medium) of six (6) R4.4 post-production bugs have been fixed and tested (in development and test environments), and the fixes were deployed to production with R4.5. Four (4) of these bugs are deployment-related. R4.5 was deployed to Production on 3/28/24, and smoke testing in Production is scheduled for 4/1/24. IV&V will monitor the progress and quality of the R4.5 deployment. 	M
Red	commendations	Status
f	The Project should consider automating deployments for resource savings, increased efficiency, consistency, faster time to market, improved collaboration and reliability, scalability, version control integration, and rollback capability.	Open
r	Ensure there are adequate and qualified resources to support the current deployment processes. This may require the support from RSM resources to provide assistance and knowledge transfer for some of the more complex deployment components.	Open
• /	As appropriate, consult with RSM on best practices that BHA could employ to support deployment.	Open
C	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 the standard and the standard and the standard across environments.	Open



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

Recommendations	Status
 Request the assistance of the RSM Solution Architect in the review of deployment scripts as a double-check for accuracy and completeness prior to commencing deployment activities. 	Open
 The Project Team should consider evaluating potential changes to improve/enhance existing processes and communications to address current release/deployment shortfalls. 	Open
 IV&V recommends performing an RCA in collaboration with RSM for the continued concerns surrounding environment differences. 	Open
 IV&V recommends updating the Project's Configuration Management Plan to address the current needs of the Project. This should include specific checklists geared at ensuring repeatable promotional processes by DOH. 	Open
 Look at implementing 'hard' code freeze dates as well as test environment deployment dates to ensure that testing and deployment activities are not rushed. 	Open
 Ensure an operational and fully functional test environment is available to effectively conduct end-to-end regression testing prior to deploying a release to production. 	Open
 Develop a plan to institutionalize the execution of "Smoke Testing" for promotions to non-production and production environments. This will help to ensure that all components needed to test have been properly deployed prior to the actual execution of test activities. 	Open



#	Key Findings	Criticality Rating
14	 Medium Issue: Due to multiple quality concerns, the Project may continue to face impactful system defects. Finding Update: R4.5 regression testing was completed successfully. R4.5 was deployed to Production on 3/28/24, and smoke testing in production is planned for completion on 4/1/24. Three (3) (2 critical, 1 medium) of six (6) R4.4 post-production bugs (severity: 2 critical, 2 high, 1 medium, 1 TBD) have been fixed and tested (in the development and test environments) and fixes deployed to production in R4.5. IV&V will monitor the progress and quality of R4.5. 	M
Reco	nmendations	Status
• Eva	aluate existing project staff skills and experience level to ensure they meet BHA support requirements.	In Progress
	form CAMHD revenue neutrality fiscal balance testing on a quarterly basis to ensure revenues are as ected.	In Progress
• Ass	sign dedicated resources to provide oversight and monitoring of CAMHD Fiscal Processes	Open
• Mo	nitor implemented IV&V recommendations for effectiveness.	In Progress



#	Key Findings	Criticality Rating
33	 Medium Issue: Performance bottlenecks with the INSPIRE production environment may result in low productivity and poor user experience. Finding Update: To address the IV&V recommendation #1, BHA and the SI vendor are having discussions to define scope, schedule, and to estimate the effort and cost to conduct a performance test prior to R4.6 implementation on 5/30/24. The plan is to execute the test in May 2024. BHA plans to leverage the existing Health Information Systems Office (HISO) contract with Microsoft to conduct the performance test. 	M
Rec	ommendations	Status
(I p s	The last performance test was executed in June 2023 for phase 3 releases (R3.x). ~800+ new User Story Points JSPs) have been developed since the last performance test execution. IV&V recommends BHA execute a erformance test during the development of R4.6 (planned completion 5/20/2024), identifying test cases and cenarios that include both DDD and CAMHD functionality, transactions/functionality that are performance intensive, e.g., calculator functionality.	Open
• 0	Conduct load and performance testing for each release with significant new features/functionality.	Open
• 0	create a plan for comprehensive performance testing and address any performance bottlenecks.	Open
• +	lave 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 unctionality/transactions and monitoring results over time.	New



#	Key Findings	Criticality Rating
	Preliminary Concern: Lack of an ongoing cleanup process may lead to clutter and reduce Azure DevOps effectiveness in supporting the INSPIRE project management and tracking needs.	
35	Finding Update: Standardizing (ongoing process) tags used in Azure DevOps and cleaning up the Azure DevOps environment is an ongoing process. E.g., some post-production bugs are tagged "Post Go-Live Bug" with tags for the appropriate release(s). IV&V will monitor the progress.	N/A
Rec	ommendations	Status
S	evOps cleanup is an ongoing process. The usage and configuration of the Azure DevOps (AD) environment hould be regularly monitored to prevent clutter and maintain its effectiveness in supporting the INSPIRE roject management and tracking needs.	In Progress
	configuration Review: Evaluate the Azure DevOps (AD) configuration settings. Ensure workflows, issue opes, custom fields, and other settings are aligned with the project's needs and industry best practices.	In Progress
a	Optimize Boards and Filters: Review the boards, filters, and tags in Azure DevOps (AD) to ensure they ccurately reflect the status of work, and they are designed to facilitate efficient tracking and collaboration. his will help streamline and make it easier to find relevant information.	In Progress
	ser Training and Best Practices: Provide training to Azure DevOps (AD) users to ensure they are using the pol effectively. Share best practices for issue creation, workflow management, and collaboration.	Open
	stablish a plan for regular maintenance of Azure DevOps (AD). Regularly review and clean up old issues, djust workflows as needed, and ensure that configurations remain aligned with evolving needs.	Open



#	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 Data Exchange Agreement (DEA) between DDD and MQD is yet to be executed. The Analytics project will commence once the DEA is executed. 	M
De		Ctatura
Re	commendations	Status
	Establish a clear project schedule management plan that outlines roles, responsibilities, and accountability for schedule adherence.	Open
	Create and baseline a comprehensive project schedule for Phase 4 and future project phases in MS Project, Smartsheet, or a similar tool, containing tasks for both SI vendor and State, task dependencies, and resourcing.	Open
•	Implement regular schedule reviews and updates to ensure alignment with project objectives and milestones.	Open



#	Key Findings	Criticality Rating
42	Medium Issue: Ineffective governance and communication among stakeholders can significantly impact a project in several ways, e.g., stakeholder disengagement, conflict and tension, misalignment of objectives, increased risks, unclear roles and responsibilities, and quality issues. An example on this project is the development and implementation of Golden Record/Master Data Management (MDM). The lack of effective governance and communication among stakeholders can result in project delays, budget overruns, and decreased quality. It's essential for project managers and stakeholders to prioritize clear communication and establish robust governance structures to ensure project success.	M
	Finding update: Division heads from three (3) 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- related agenda item to the monthly DOH BHA IT Solution Project Steering Committee meetings.	
Red	commendations	Status
e	Create a Governance Structure: Implement a governance structure that defines decision-making processes, escalation procedures, and accountability mechanisms. Clarify how decisions will be made, who has authority, and how issues will be resolved.	Open
6	Develop a Stakeholder Registry, RACI chart, and Stakeholder Engagement Plan: Identify key stakeholders and develop a plan to engage them throughout the project lifecycle. Tailor communication strategies to address the needs and preferences of different stakeholders, ensuring their active involvement and support.	Open
i	Clearly define Roles and Responsibilities: clearly outlining the roles and responsibilities of each stakeholder nvolved in the project, would ensure that everyone understands their duties and how they contribute to the project's success.	Open



Recommendations	Status
 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-mal problem-solving. Keep stakeholders informed about project progress, milestones, and key dev through regular updates and progress reports. Highlight achievements, challenges, and any ch project plan or scope. 	elopments
• Resolve Conflicts Promptly: Address conflicts and disagreements among stakeholders prompt and professionally. Encourage dialogue, active listening, and compromise to find mutually accurs solutions that support project goals.	-
 Manage Expectations: Manage stakeholders' expectations by setting realistic timelines, budge and deliverables. Foster a culture of transparency about project constraints and risks and proactively communicate any changes or deviations from the plan. 	ts, 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 continuously refine your approach.	



IV&V Findings & Recommendations Resource Management

#	Key Findings	Criticality Rating
34	 Medium Issue: A shortage of Behavioral Health Administration (BHA) project resources could lead to reduced productivity and project delays. Finding Update: No change since the February reporting period. 	M
Red	commendations	Status
• E	3HA should explore options for offloading project team members' daily responsibilities to other staff.	In Progress
• E	3HA should work quickly to backfill vacated project team member positions.	Open
	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.	Open
• E	3HA should explore the use of contractors to fill open project positions.	Open



IV&V Findings & Recommendations Project Performance Metrics

Metric	Description	IV&V Observations		IV&V (Jpdates	
			Velocity	Metric Trer	nds:	
	Review and validate		Release	Planned Velocity	Actual Velocity	Percentage Attained
Velocity	the velocity data asreported by theprojectVerify the project is	March – Velocity was estimated at 95 USPs for R4.5, 76 R4.5 USPs were promoted to production on 3/28/24.	R4.5	95	76	80%
	on pace to hit the total target number of US/USP					



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

Metric	Description		IV&V Updates
Defect Metrics	 Understand and track the following: Defects by category (bug fixes) USPs assigned to defects in a release vs. USPs assigned to planned US in a release 	 March - Velocity was estimated at 95 USPs for R4.5, 76 R4.5. USPs were promoted to production on 3/28/24. 83% of the USPs were associated with user stories and requests. 17%* of the total USPs were associated with defects encountered during the release effort or pulled from the backlog. 	The defect percentage for March was 17%* which is under the target range of 20% or less of all USPs promoted to production.

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



Appendix A: IV&V Rating Scales

Appendix A IV&V Rating Scales

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

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

The assessment category is under control and the current scope can be delivered within the current schedule. The assessment category's risks and issues have been identified, and mitigation activities are effective. The overall impact of risk and issues is minimal. The assessment category is proceeding according to plan (< 30 days late).

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

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

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

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

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

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

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



(Y)

R

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.
.0	A low rating is assigned if there is a possibility of slight impact to product quality, scope, cost, or schedule. Minimal disruption is likely, and some oversight is most likely needed to ensure that the risk remains low. Mitigation strategies should be considered for implementation when possible.



Appendix B: Inputs



Appendix B Inputs

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

Meetings attended during the March 2024 reporting period:

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

Eclipse IV&V[®] Base Standards and Checklists

Artifacts reviewed during the March 2024 reporting period:

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





Appendix C: Project Trends

Appendix C Project Trends

Process Area										
HOLESS AIEa	Jun		August	September	October	November	December	January	February	March
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	4	5	11	11	11	10	10	11	12	11
Issue - high	0	0	2	2	2	2	2	5	12	0
Issue - medium	4	3	5	5	5	4	4	4	12	8
Issue - low	0	0	0	0	0	0	0	0	12	0
Risk - high	0	0	0	0	0	0	1	0	12	0
Risk - medium	0	1	2	2	2	2	1	1	12	2
Risk - low	0	0	0	0	0	0	0	0	12	0
Preliminary Concern	0	1	2	2	2	2	2	1	12	1





Solutions that Matter

ID	Finding	Finding Statement	Analysis and Significance	Recommendation	Finding Update	Category	Туре	Priority	Status	Closed Date	Identified Date	Owner	
2	As a result of regression testing not being	R3.3 introduced a defect that deprecated features in	Thorough vetting and validation of regression test cases are	1. Having board(s) in Azure DevOps or a document or		Test Practice	Issue	Medium	Open		12/31/2019	Gautam	
	consistently performed, production releases	production specific to Integrated Support and Life Trajectory	necessary to prevent both defects and the deprecation of	SharePoint that provides information about the	combination of automated and manual testing	Validation						Gulvady	
	are breaking and/or deprecating existing	functionality. DDD has informed IV&V that there are other	production functionality when a release is pushed live. When	status of regression testing automation, to facilitate	and was completed successfully. The Tricentis								
	functionality in the production environment.	examples of functionality being deprecated after a release,	defects occur in production, the project should follow a defined	visibility and transparency to BHA project personnel	regression testing tool coaching sessions have								
		some of which are still being investigated. As of this report,	and repeatable process for determining the root cause of the	and stakeholders.	been completed. IV&V will continue to monitor								
		IV&V has not evaluated the project's root cause analysis (RCA)	problem.		and review automated regression testing results								
		process used to determine why such functionality was		2. IV&V recommends reevaluating the schedule	and status reporting. As an additional R4.4 post-								
		deprecated but will discuss further with BHA in January 2020.		priorities by distributing the work according to the resource bandwidth. This will ensure that the	production bug has been identified, the efficacy								
					of regression testing should be evaluated.								
				schedule is not impacted and that the work is done	Minimal progress has been made in developing and executing automated regression test cases.								
				efficiently between regression testing and Golden Record (GR).	BHA is planning the upgrade of the Tricentis								
				Record (GR).	automated regression testing tool, Tosca 2021								
				3. Pursue and complete additional formal training in	version to the 2023 version. R4.6 regression								
				AzureDevOps and Tricentis for test automation at the									
				earliest possible juncture and complete efforts to	automated regression testing.								
				automate the 2 primary regression test scripts.									
					02/29/2024 - R4.5 development is ongoing. The								
				IV&V recommends DDD and CAMHD to develop a	soft code freeze was on 2/29/2024, and go-live								
				common and consistent approach across divisions for	is planned for 3/28/2024. The project team								
				performing regression testing.	contemplated a mid-sprint deployment (MSD)								
					for 3 items: Adverse Event Report (AER), Maui								
				4. Determine if current regression testing timeframes	Wildfire SMS, and ISP modifications) – AER was								
				are adequate and if not, add more time to the pre-	deployed on 2/29/2024, and the remaining two								
				production regression test efforts for all release	will be deployed in R4.5. Tricentis coaching								
				deployments.	sessions and coding of the automated testing								
					for R4.5 are ongoing. R4.5 regression testing								
				Updating the regression test scripts to ensure	execution is planned in mid-March 2024. BHA is								
				consistency with system configuration.	reporting the progress and status of automated								
				Modifying release schedules to allow for regression	regression testing. IV&V will continue to								
				testing timeframes	monitor and review automated regression								
				Planning releases by functionality type to avoid	testing results and status reporting.								
				unnecessary repetitive work being performed in any									
				given section of the solution.	01/31/2024 - Tricentis coaching sessions and								
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	03/31/2024 - R4.5 regression testing was	Project Management	Issue	Medium	Open		9/30/2020	Gautam	
						i roject management					5/ 50/ 2020		
	may continue to face impactful system	due to multi-faceted quality issues were individually addressed	processes and DOH has stated these are the most impactful	level to ensure they meet BHA support requirements.	completed successfully. R4.5 was deployed to	in ojece management					5/ 50/ 2020	Gulvady	
	may continue to face impactful system defects.	due to multi-faceted quality issues were individually addressed during this reporting period. IV&V notes that there is one		level to ensure they meet BHA support requirements.	completed successfully. R4.5 was deployed to Production on 3/28/24, and smoke testing in	in open management			.,.		5/30/2020		
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ID	Finding	Finding Statement	Analysis and Significance	Recommendation	Finding Update	Category	Туре	Priority	Status	Closed Date	Identified	Date Ow	ner		
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		utam		
	demos will likely lead to misalignments	Sprint reviews/demos help to bring alignment across the team		including Sprint reviews and demos in future releases								Gul	vady		
	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											
	needs.	software and teams. Sprint demos /reviews showcase the		assess the completion of user stories, review	Accordingly, the vendor should schedule										
		main functionality to stakeholders and incorporate their	Sprint reviews/demos are crucial in bringing alignment across the		demonstrations of new functionality/features as										
		feedback. Currently, the project has joint testing involving the			part of Sprint Reviews.										
		SI and BHA personnel. Per Agile Best practices, IV&V believes		also help ensure the backlog is prioritized and well-											
		having Sprint demos/reviews during a sprint helps clarify and		prepared for the next Sprint. These are some	02/29/2024 - Discussions are on-going about										
		validate design prior to testing, steer the team in the right	responses and make observations earlier during development		R4.5 and R4.6 new functionality/features that										
		direction, and help to avoid big mistakes. This would also allow		engagement, quality assurance, transparency, and	would be demonstrated. Accordingly, the										
		the testing team to focus solely on testing, which is beneficial.		the incorporation of user feedback.	vendor to schedule demonstrations of new										
			Moreover, they are invaluable in steering the team in the right	a construction of the second second second	functionality/features as part of Sprint Reviews.										
			direction and avoiding big mistakes. It's interesting to note that the Sprint demo could bring to light bugs such as R4.1 bug 34055		01/21/2024 The used as to eshed ula										
			on the Portal, where the checkbox is on the left of the text.	communication channels. Regularly validate project	demonstrations of new functionality/features as										
			on the Portal, where the checkbox is on the left of the text.	objectives and ensure that sprint deliverables remain											
				consistent with stakeholder requirements.	part of sprint Reviews going forward.										
				consistent with stakeholder requirements.	12/31/2023 - The vendor and BHA have a										
				2. Foster active participation from users and	product backlog review process in place. IV&V										
				stakeholders during both Sprint Reviews and Sprint	will review the product backlog (living artifact),										
				Demos. Emphasize the value of iterative feedback to											
				guide development and ensure that user needs are	and will monitor future Sprint reviews.										
				consistently met.											
					11/30/2023 - The vendor and BHA have a										
				3. Establish standardized communication protocols	product backlog review process in place. IV&V										
				for both Sprint Reviews and Sprint Demos. Encourage											
				teams to deliver concise and informative progress	and will monitor future Sprint reviews. This was										
				reports, including achievements, challenges, and	changed from a Preliminary Concern to a										
				future plans. This will enhance stakeholder	Medium-priority Risk.										
				engagement and project transparency.											
					10/31/2023 - The vendor has confirmed that										
				Create a stakeholder register to identify all	they will provide demonstrations of new										
				stakeholders. List their identification, assessment,	functionality/features as part of Sprint Reviews										
				and classification. Review the register regularly to	going forward. In parallel, joint testing of										
32		Due to issues with the Golden Record (GR) solution, the	GR implementaion has been delayed several times. As a result,	1.Identify stakeholders (output is stakeholder	03/31/2024 - CAMHD and DDD Stakeholders	Release/Deployment	Issue	Medium	Closed	3/31/2024	7/10/2023		utam		
	be delayed.	project may experience delays and a shift in focus from critical		register) and develop a RACI matrix for the project to	continued to meet in March 2024 to clarify open							Gul	ivady		
		functionality. The GR is a crucial element that affects several	deployment (MSD) has been postponed multiple times. BHA	ensure adequate communication and stakeholder	questions regarding future GR development and										
		user stories dependent on it. The deployment of the GR has	reviewing original requirements and evaluating if BHA needs to	participation.	potential 3rd-party tool integration. One GR										
		been postponed to 08/19/2023, resulting in the transfer of	revisit the design.		user story was implemented in R4.5, and no										
		approximately 150 story points into R4.2 and subsequent		2. Identify the objective of implementing GR	further GR development will be conducted.										
		releases. However, it is unclear which releases will include the		production data use, benefits, current gaps in design,	Finding closed.										
		GR-related user stories		effort estimates, resource commitments, and impact											
				of having/not having GR.	02/29/2024 - CAMHD and DDD Stakeholders to										
				a provide to de contrato e falte capital de de la	meet in March 2024 to clarify open questions,										
				3. Prior to implementation of the GR, needed updates				1							
				to the consent form should be confirmed and	completed and questions around potential 3rd-		1	1	1						
				completed, policies/procedures for all users should	party tool integration, to come to a common			1							
				be confirmed, and all open defects should be resolved.	understanding about the scope and planned completion of GR development. GR has a scope,		1	1	1						
				resolved.											
				4. Analyze the impact on the future functionalities	schedule, and cost impact.		1	1	1						
				and assess the implications if this strategic change is	01/31/2024 - While Golden Record (GR) mid-			1							
				needed.	sprint Deployment (MSD) was deployed on			1	1						
				increased.	12/21/2023, stakeholders across the project		1	1	1						
				5. GR working sessions should be resumed until there				1	1						
				is clarity on remaining work to be completed,	where GR stands. IV&V sent an email on			1							
				timeline for completion, etc.	01/31/2024 recommending stakeholders have a		1	1	1						
					good common understanding of the Golden		1	1	1						
					Record (GR) functionality development			1							
				1	(including, related regression testing) and		1	1	1						
					deployment, and the common understanding			1	1						
				1	and plans are communicated to all		1	1	1						
					stakeholders. The plan is to discuss and resolve			1							
				1	the issue, e.g., during resumed GR working		1	1	1						
					session meetings, so a common statement of			1							
					understanding can be provided to all			1							
					stakeholders. This finding was changed from a			1							
					Risk to an Issue.			1	1						
1	1	1		1			1	1	1	1	1	1			

ID	Finding	Finding Statement	Analysis and Significance	Recommendation	Finding Update	Category	Туре	Priority	Status	Closed Date	Identified Dat	e Owner	
33	Performance bottlenecks with the INSPIRE	Performance issues have been identified that have the	Developmental Disability Division (DDD) personnel are	1. The last performance test was executed in June	03/31/2024 - To address the IV&V	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	recommendation #1, BHA and the SI vendor are							Gulvady	
	productivity and poor user experience.	and the overall reliability of the system. These performance	opening the DDD – Contact Notes (Fiscal View – Complete) view.		having discussions to define scope, schedule,		1	1	1		1	.,	
	·····	issues warrant immediate attention and resolution.	CAMHD has not reported performance issues.	last performance test execution. IV&V recommends	and to estimate the effort and cost to conduct a								
		issues warrant initialate attention and resolution.	er anno nos nos reportes performance issues.	BHA execute a performance test during the	performance test prior to R4.6 implementation								
				development of R4.6 (planned completion	on 5/30/24. The plan is to execute the test in								
				5/20/2024), identifying test cases and scenarios that									
				include both DDD and CAMHD functionality,	Health Information Systems Office (HISO)								
				transactions/functionality that are performance	contract with Microsoft to conduct the								
				intensive, e.g., calculator functionality.	performance test.								
				2. Conduct load and performance testing for each	02/29/2024 - Per the IV&V recommendation								
				release that has significant new	about scheduling the next performance test,								
				features/functionality, e.g., calculator-related	CAMHD and DDD will have discussions about								
				transactions.	the scope and schedule for the next								
					performance test.								
				Create a plan for comprehensive performance									
				testing and address any performance bottlenecks.	01/31/2024 - IV&V to discuss the criteria for								
				1	selecting upcoming release(s) for performance		1	1	1		1	1	1
				4. Have the benchmark assessments done annually	testing (as part of planning performance test)			1	1		1		
				and implementation of Azure App Insights for Power	with BHA so planning can commence. A new		1	1	1		1		
				Platform.	recommendation has been added.		1	1	1		1	1	1
				1			1	1	1		1	1	1
				5. Execute test scripts that measure the run-time for	12/31/2023 - IV&V to discuss performance test		1	1	1		1		
				execution of long-running transactions. E.g.,	planning with BHA for upcoming release(s) with		1	1	1		1		
				calculator functionality/transactions and monitoring									
				results over time.	significant new reactives/runctionality.								
				results over time.	11/30/2023 - IV&V has discussed the next steps								
					with BHA (see updated recommendation #1).								
					10/31/2023 - The IV&V review of the draft								
					vendor contract indicates that the vendor is								
					accountable for conducting load and								
					performance testing of INSPIRE. IV&V will								
34	Shortage of Behavioral Health Administration	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	03/31/2024 - No change since the February	Resource Managemer	nt Issue	Medium	Open		8/18/2023	Michael Fors	
	(BHA) project resources could lead to	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.	reporting period.	-							
	reduced productivity and project delays.	the Child and Adolescent Mental Health Division (CAMHD)	experience a reduction in productivity and project delays.										
		System Management Office Manager and CAMHD Inspire		2. BHA should work quickly to backfill vacated project	02/29/2024 - DDD plans to request one (1)								
		Project Lead could further impact the project if DOH cannot		team member positions.	business analyst position to address resource								
		acquire suitable resources. The lack of capacity of the DOH test			shortages.								
		script developer has slowed DOH's automated test script		3. BHA should identify tasks and duties that they can	shortages.								
		development.		ask the SI to assume, as permitted by the contract,	01/31/2024 - There continue to be significant								
		development.		which are presently being handled by BHA members.									
				which are presently being handled by BHA members.									
					documented in APDU #6. This finding was								
				4. BHA should explore the use of contractors to fill	changed from a Risk to an Issue.				1		1		
				open project positions.									
					12/31/2023 - During the Steering committee				1		1		
				1	meeting on 12/12/2023, DDD representative		1	1	1		1	1	1
					communicated since the three positions were		1	1	1		1	1	
					not included in the budget, DDD to submit a		1	1	1		1	1	
					variance for an IT position.				1		1		
				1	1		1	1	1		1	1	1
				1	11/30/2023 - DDD took proactive steps to		1	1	1		1	1	1
					address the IT shortages by creating three		1	1	1		1		
					position descriptions along with justifications.		1	1	1		1		
					However, the positions were not approved.		1	1	1		1		
				1	DDD will continue to explore other options and		1	1	1		1	1	1
				1	find a solution to address the IT shortages. The		1	1	1		1	1	1
				1	Healthcare System Management Office (HSMO)		1	1	1		1	1	1
					Chief's position was cancelled after it was		1	1	1		1		
					opened. A Band B System Architecture resource		1	1	1		1		
				1	is now filling that role temporarily, in addition to		1	1	1		1	1	1
						1	1	1	1		1		
					executing his own duties. The reporting		1	1	1		1	1	1
					hierarchy of resources that previously reported				1		1		
					to the HSMO Chief is also unclear.			1	1		1		
							1	1	1		1	1	1
					10/31/2023 - With the departure of the BHA				1		1		
					INSPIRE Child and Adolescent Mental Health			1	1		1		
			1	1	1 · · · · · · · · · · · · · · · · · · ·	1	1	1	1				1

ID	Finding	Finding Statement	Analysis and Significance	Recommendation	Finding Update	Category	Туре	Priority	Status	Closed Date	Identified Date	Owner	
35	Lack of an ongoing cleanup process may lead to clutter and reduce Azure DevOps effectiveness in supporting the INSPIRE project management and tracking needs.	R3.33 work started, and the SI vendor was working with BHA on the Statement of Work (SOW). BHA made the decision not to implement R3.33 and moved on to the next big phase of work, starting with R4.1. Project team members will see some references to R3.33 in Azure DevOps, which are incorrect and should be updated to R4.1 or an appropriate future release. There is still cleanup happening for items that are in the parking lot, which may state R3.33 until those items are assigned to a release.	stories, e.g., "n" number of post-production defects in Rm.n to be implemented in Rx.y, monitor and measure the team's	and configuration of the Azure DevOps (AD) environment should be regularly monitored to prevent clutter and maintain its effectiveness in supporting the INSPIRE project management and tracking needs. 2. Configuration Review: Evaluate the Azure DevOps (AD) configuration settings. Ensure workflows, issue types, custom fields, and other settings are aligned with the project's needs and industry best practices. 3. Optimize Boards and Filters: Review the boards, filters, and tags in Azure DevOps (AD) to ensure they accurately reflect the status of work, and they are designed to facilitate efficient tracking and	post-production bugs are tagged "Post Go-Live Bug" with tags for the appropriate release(s). IV&V will monitor the progress. 01/31/2024 - RSM and BHA are standardizing (on-going process) the tags used in Azure DevOps and their usage, and are cleaning up the Azure DevOps environment. E.g., the four (4) R4.4 post-production bugs are tagged "Post Go-Live Bug". IV&V will monitor the progress.	Project Management	Preliminary Concern	N/A	0pen		8/2/2023	Gautam Gulvady	
36	Lack of a comprehensive project schedule could lead to missed tasks, project delays, and cost overruns.	Project work is ongoing without a project schedule in place. Some current project work is considered Maintenance and Operations, but there is new work to be completed as well.	Project work is ongoing without a project schedule in place. Some current project work is considered Maintenance and Operations, but there is new work to be completed as well.	I. Establish a clear project schedule management plan that outlines roles, responsibilities, and accountability for schedule adherence. Z. Create and baseline a comprehensive project schedule in MS project, Smartsheet, or a similar tool, containing tasks for both SI vendor and State, task dependencies, and resourcing. J. Implement regular schedule reviews and updates to ensure alignment with project objectives and milestones.	DevOps and their usage, and are cleaning up 03/31/2024 - The Data Sharing Agreement (DSA) between DDD and MDD is yet to be executed. The Analytics project will commence once the DSA is executed. 02/29/2024 - The project currently utilizes a high-level Gant chart, which shows planned release dates but does not provide visibility to task completion, tasks behind schedule, resource allocation, etc. The Data Sharing Agreement (DSA) between DDD and MQD is yet to be executed. The Analytics project will commence once the DSA is executed. A schedule for the analytics project will be developed once the stard date is known. IV&V recommends also developing a schedule for Phase 4. 01/31/2024 - Delays in executing the Data Sharing Agreement (DSA) contract between DDD and MQD. The Department. of Human Services (DHS) has delayed the commencement of the Analytics project schedule for the Analytics module. The priority has changed from Medium to High. 12/31/2023 - IV&V reviewed the vendor's final proposal regarding an approach to maintaining a complete project schedule as requested by the RFP. The vendor has communicated they will provide a complete project schedule for the schedule for the complete project schedule for the schedule as complete project schedule for the will provide a complete project schedule for the schedule for will provide a complete project schedule for the schedule for the schedule as requested by the RFP. The vendor has communicated the year on the schedule for the schedu	Project Management	Issue	Medium	Open		8/29/2023	Gautam Gulvady	

ID	Finding	Finding Statement	Analysis and Significance	Recommendation	Finding Update	Category	Туре	Priority	Status	Closed Date	Identified Date	Owner
39	Due to on-going deployment processes and 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.	Several post-production bugs have been encountered in the Phase 4 release, R4.4.	Regarding the bug, "Human Services Research Institute (HSRI) flow is failing in production" (bug# 34886 https://dev.azure.com/DOHBHA/DOH%20BHA%20INSPIRE/_wor ktems/edit/3486), what is in development and deployed is vastly different from what was deployed to production. The root cause for these errors is currently being investigated. Repeatable documented release and deployment and resources experienced with deployments will help ensure that mistakes are minimized and that functionality is not mistakenly deprecated when deployments take place.	improved collaboration and reliability, scalability, version control integration, and rollback capability. 2. Ensure there are adequate and qualified resources to support the current deployment processes. This may require the support from RSM resources to	testing in Production is scheduled for 4/1/24. IV&V will monitor the progress and quality of the R4.5 deployment. 02/29/2024 - Three (3) of Four (4) post- production bugs (severity: 2 critical, 1 high, 1 medium) have been fixed and tested (in the development and test environments) and will be deployed to production with R4.5. One (1) post-production bug is yet to be created in DevOps. IV&V will monitor the progress and quality of the R4.5 deployment after deployment-related, and two (2) of these are deployment-related, and two (2) of the deployment once R4.5 is deployed in March	1	Issue	Medium	Open -		1/25/2024	Gautam Gulvady
40	Improvements to the testing process are needed to ensure comprehensive testing of new functionality prior to production deployment.	There is a limited understanding of the testing processes and the roles and responsibilities of those involved in the process. There is no formal process for the development, review, and approval of test scenarios, test cases, and test results to ensure adequate participation and approval from state staff.	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 confidence that the user story could be tested. As a result, time was expended by testing resources, testing was inadequate, and a user story may have been deemed to meet functionality when it did not.	I. identify stakeholders (output is stakeholder register) and develop a RACI matrix for testing. Z. Review the overall testing process and implement any needed improvements identified.	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. 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 reflect the real use cases to give stakeholders adequate confidence that the user story could be tested.		Issue	Medium	Open		1/31/2024	Gautam Gulvady

	Finding	Finding Statement	Analysis and Significance	Recommendation	Finding Update	Category	Туре	Priority	Status	Closed Date	Identified Date	Owner	
41	Absence of separate dedicated product	Currently, product backlog reviews are done during design	A product backlog review is an essential part of agile project	Separate dedicated product backlog review meetings	03/31/2024 - BHA to schedule separate product	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	backlog review meetings.	-p8			- p		-,, :	Gulvady	
	challenges for a project team.	scattered focus, limited stakeholder engagement, difficulty in		ambiguities or uncertainties, re-prioritization,								,	
		managing complexity, and delayed decision making.	Master, and development team members, inspect and adapt the	estimation, and refinement of backlog items. This	02/29/2024 - Product backlog reviews are still								
			product backlog.	would allow the project team to avoid situations	done during design meetings and/or weekly								
				where decisions about including items mid-sprint	issues meetings. The project team								
			The product backlog review is an important Scrum ceremony	would have to be taken.	contemplated a mid-sprint deployment (MSD)								
			that helps keep the backlog relevant, up-to-date, and aligned		for three (3) items (AER, Maui Wildfire SMS, and								
			with the project's goals and priorities. Here's a summary of what	IVV recommends scheduling separate dedicated	ISP modifications) - AER was deployed on								
			typically happens during a product backlog review:	product backlog review meetings (during sprints)	2/29/2024, and the remaining two will be								
			cypically happens daring a produce backlog review.	where all relevant stakeholders are invited to review	deployed in R4.5. BHA to schedule separate								
			1. Inspecting Backlog Items: The team reviews the items on the	the product backlog and scheduled at the	dedicated product backlog meetings for scoping								
			product backlog. This involves discussing each item,	appropriate time(s) such that there is sufficient time	R4.6 to help avoid the need for including items								
			understanding its priority, value, and acceptance criteria.	to plan the design, development, and	mid-sprint.								
			2. Ensuring Clarity: The team ensures that each backlog item is	implementation (DDI) of the next release(s).									
			clear and well-understood. Any ambiguities or uncertainties are	implementation (BBI) of the next release(b).	01/31/2024 - Currently, product backlog								
			clarified at this stage.		reviews are done during design meetings								
			3. Estimation: Estimation of backlog items may occur during the		and/or weekly issues meetings. The Product								
			review. The team may use techniques like story points or relative		backlog review is a more structured meeting								
			sizing to estimate the effort required for each item.		specifically dedicated to reviewing the entire								
			4. Re-prioritization: Based on new insights, changes in		backlog, making adjustments, and ensuring its								
			requirements, or stakeholder feedback, the team may need to re	1	readiness for upcoming sprints. The product			1				1	1
			prioritize items in the backlog.		backlog review is typically conducted as a			1				1	
			5. Removing or Adding Items: Items that are no longer relevant		separate meeting. The purpose of keeping it								
			or necessary may be removed from the backlog. New items that		separate is to focus specifically on the backlog								
			emerge or are identified as important may be added.		items, their priorities, and any necessary								
			6. Refinement: Backlog refinement may also occur during the		adjustments to ensure alignment with the								
			review. This involves breaking down large items into smaller,		product vision and stakeholder needs. It			1				1	
			more manageable ones, or adding more detail to items as		typically occurs periodically, e.g., once per			1				1	
			needed.		sprint or at regular intervals, to ensure the								
			 Collaboration: The review is a collaborative effort involving the 		backlog remains up-to-date, prioritized, and								
			 Collaboration: The review is a collaborative effort involving the entire Scrum team. It's an opportunity for open discussion and 					1				1	
					aligned with the project's goals.			1				1	
			sharing of ideas to ensure everyone is aligned on the goals and priorities.					1				1	
		Lack of effective governance and communication among	Ineffective governance and communication among stakeholders		03/31/2023 - Division heads from three (3)	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	divisions, the Developmental Disabilities							Gulvady	
		in several ways.	stakeholder disengagement, misunderstandings, conflict and	and communication among stakeholders:	Division (DDD), Child & Adolescent Mental								
			tension, misalignment of objectives, increased risks, unclear		Health Division (CAMHD), and Alcohol & Drug			1					
								1					
			roles and responsibilities, and quality issues. An example on this		Abuse Division (ADAD), met in March 2024 to								
				1. Create a Governance Structure: Implement a governance structure that defines decision-making	Abuse Division (ADAD), met in March 2024 to discuss and resolve Golden Record-related								
			roles and responsibilities, and quality issues. An example on this										
			roles and responsibilities, and quality issues. An example on this project is the development and implementation of Golden	governance structure that defines decision-making	discuss and resolve Golden Record-related issues. DDD has added a Policy & Procedures-								
			roles and responsibilities, and quality issues. An example on this project is the development and implementation of Golden	governance structure that defines decision-making processes, escalation procedures, and accountability	discuss and resolve Golden Record-related issues. DDD has added a Policy & Procedures-								
			roles and responsibilities, and quality issues. An example on this project is the development and implementation of Golden Record/Master Data Management (MDM).	governance structure that defines decision-making processes, escalation procedures, and accountability mechanisms. Clarify how decisions will be made, who	discuss and resolve Golden Record-related issues. DDD has added a Policy & Procedures- related agenda item to the monthly DOH BHA IT								
			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	governance structure that defines decision-making processes, escalation procedures, and accountability mechanisms. Clarify how decisions will be made, who	discuss and resolve Golden Record-related issues. DDD has added a Policy & Procedures- related agenda item to the monthly DOH BHA IT								
			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	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.	discuss and resolve Golden Record-related issues. DDD has added a Policy & Procedures- related agenda item to the monthly DOH BHA IT Solution Project Steering Committee meetings.								
			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	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. 2. Develop a Stakeholder Registry, RACI chart, and	discuss and resolve Golden Record-related issues. DDD has added a Policy & Procedures- related agenda item to the monthly DOH BHA IT Solution Project Steering Committee meetings.								
			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	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. 2. Develop a Stakeholder Registry, RACI chart, and Stakeholder Engagement Plan: Identify key	discuss and resolve Golden Record-related issues. DDD has added a Policy & Procedures- related agenda item to the monthly DOH BHA IT Solution Project Steering Committee meetings.								
			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	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. 2. Develop a Stakeholder Registry, RACI chart, and Stakeholder Engagement Plan: Identify key stakeholders and develop a plan to engage them	discuss and resolve Golden Record-related issues. DDD has added a Policy & Procedures- related agenda item to the monthly DOH BHA IT Solution Project Steering Committee meetings.								
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