

OFFICE OF ENTERPRISE TECHNOLOGY SERVICES

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October 8, 2021

The Honorable Ronald D. Kouchi,
President, and
Members of The Senate
Thirty-First State Legislature
Hawaii State Capitol, Room 409
Honolulu, Hawaii 96813

The Honorable Scott K. Saiki,
Speaker, and
Members of The House of Representatives
Thirty-First State Legislature
Hawaii State Capitol, Room 431
Honolulu, Hawaii 96813

Dear 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 Hawaii Department of Health Hawaii BHA Integrated Case Management System Project.

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

Sincerely,

DOUGLAS MURDOCK Chief Information Officer State of Hawai'i

Attachment (2)



Hawaii BHA Integrated Case Management System Project – *Phase 3*

Final IV&V Report for the period of

September 1 – September 30, 2021

Final submitted: October 8, 2021



Agenda

Executive Summary

IV&V Findings & Recommendations

Appendices

- A Rating Scales
- B Inputs
- C Project Trends





Executive Summary

Release 3.18 was deployed to production on 9/26/2021 with just a few post-production issues. The Project's ongoing focus on improving quality continued to net positive gains during the month of September and has attributed to IV&V's decision to reduce the criticality of the Release/Deployment Planning finding.

IV&V continues to remain concerned about BHA resource constraints, the amount of unplanned rework, and the delivery of big boulder functionality within the current DDI timeframes. We will continue to monitor these concerns moving forward.

Jul	Aug	Sep	Category	IV&V Observations
R	R	R	Sprint Planning	BHA is currently interviewing for their open ITS4 position. The approval to post the second mid-level technical resource is still pending. The Project continues to discuss how best to address the planned reduction of RSM resources and the need for custom code developers to support the Calculator 3.0, Portal, and any other custom code components. The criticality rating for this category remains Red (high) for the September reporting period.
G	G	G	User Story (US) Validation	There are no active findings in User Story (US) Validation category which remains Green (low criticality) for the September reporting period. IV&V will continue to monitor the US development and validation process in upcoming reporting periods.
R	Y	Y	Test Practice Validation	The Project continued to improve the quality of end-to-end regression testing for both divisions in September. Release 3.18 was promoted to production on 9/26/2021 with a few post-production issues. The planned effort to develop automated regression testing remains on hold due to resource constraints.



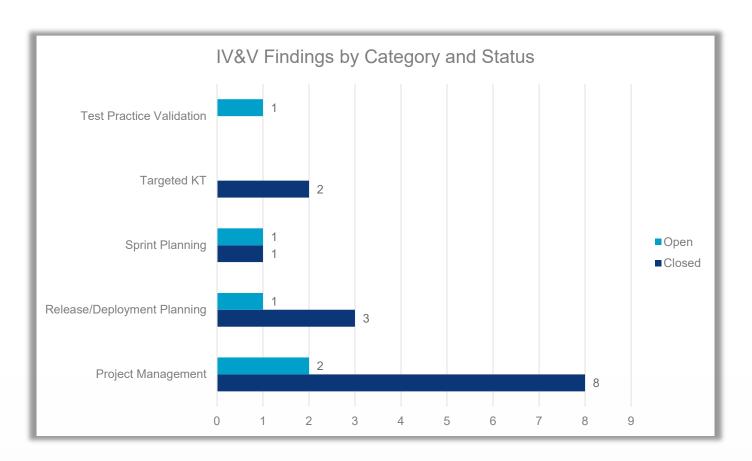
Executive Summary

Jul	Aug	Sep	Category	IV&V Observations
R	R	R	Release / Deployment Planning	Release 3.18 was promoted to production on 9/26/2021 with just a few issues. The Project continues to improve their release/deployment practices with positive gains. As a result, IV&V has reduced the criticality of the finding in this category from a high to medium issue but will keep the rating for this category a Red (high) to monitor for sustained improvements.
G	G G OJT and KT Sessions The criticality rating for the OJT and KT Sessions category remains Green (low) for the September reporting period with no active findings.		The criticality rating for the OJT and KT Sessions category remains Green (low) for the September reporting period with no active findings.	
G	G	G	Targeted KT	There are no active findings in this category which remains Green (low criticality) for the September reporting period. IV&V will continue to monitor this category moving forward.
G	G	G	Project Performance Metrics	The Project implemented 100.5 User Story Points for Release 3.18 exceeding the planned User Story Points of 81. IV&V will keep the criticality rating for this category a Green (low) and will continue to monitor this category moving forward.
G	G	G	Organizational Maturity Assessment	The next OMA is scheduled for October 6, 2021. The criticality rating for the Organization Maturity Assessment (OMA) category remains Green (low).
R	Y	Y	Project Management	Quality improvement efforts continued throughout the month of September which has resulted in a few post-production issues found in Release R3.18 deployed on 9/26/2021. The criticality rating for this category remains a Yellow (medium) for the September reporting period.



Executive Summary

As of the September 2021 reporting period, there are a total of five open findings – one High Issue and four Medium Issues spread across the Sprint Planning, Release / Deployment Planning, Test Practice Validation, and Project Management assessment areas.





Assessment Categories

Throughout this project, IV&V will verify and validate 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 Transfer (KT) Sessions
- Targeted Knowledge Transfer (KT)
- Project Performance Metrics
- Organizational Maturity Assessment
- Project Management



IV&V Findings & Recommendations Sprint Planning

#	Key Findings	Criticality Rating	
8	High Issue - The BHA Technical Team bandwidth may not be adequate to meet the needs of the project, which could compromise project productivity. BHA received multiple candidates for the open ITS4 position and is currently interviewing the most qualified candidates. A candidate selection is anticipated in October. BHA has not received approval to post its second (lower level) technical position. RSM has provided ongoing Calculator 3.0 knowledge transfer sessions to BHA staff during the month of September. IV&V will continue to monitor this high priority issue until resolved.	H	
Recor	Recommendations		
BHA needs, and should pursue, additional Knowledge Transfer sessions on the updated Calculator 3.0 solution.			
	Project should investigate mechanisms of increasing the bandwidth of the BHA Technical Team, either by ling resources through new hires, or vendor contracts.	In progress	
	e Project should assess, where possible, if there are responsibilities of the BHA Technical Team that can reassigned to other project staff.	In progress	
	Project should evaluate where process inefficiencies can be addressed and streamlined to possibly free the BHA Technical Team's availability.	In progress	



IV&V Findings & Recommendations Sprint Planning

Recommendations	Status
The Project should consider the formation of a first level resource team to triage/address pro a timely manner, without disrupting new development work.	oduction defects in In progress
The Project should consider procurement of an online training toolset to support OCM and to offset the need for in-person training.	echnical efforts to Completed



Test Practice Validation

#	Key Findings	Criticality Rating
2	Medium Issue – As a result of regression testing not being consistently performed, production releases are breaking and/or deprecating existing functionality in the production environment. The Project's focus on the quality of end-to-end regression testing (for both divisions) again resulted in positive progress in September. R3.18 was promoted to production on 9/26/2021 with a few post-production issues that are currently being reviewed. The planned effort to develop automated regression testing remains on hold until additional resources are made available to the BHA Team. IV&V will continue to monitor this medium priority finding.	M

Recommendations		
 Pursuing additional formal training in AzureDevOps for test automation at the earliest possible juncture and commence efforts to automate at least the 2 primary regression test scripts. 	In Progress	
 IV&V recommends DDD and CAMHD to develop a common and consistent approach across divisions for performing regression testing. 	Completed	
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.	Completed	
Updating the regression test scripts to ensure consistency with system configuration.	Completed	



Test Practice Validation (cont'd)

Recommendations	Status
Modifying release schedules to allow for regression testing timeframes.	Completed
 Planning releases by functionality type to avoid unnecessary repetitive work being performed in any given section of the solution. 	Completed
 Performing regression testing after every release, or possibly every other release, or potentially tying regression tests to full solution upgrade releases. In addition, consider alternating the DDD and CAMHD scripts every other release. 	Completed
 Modifying regression test scripts to start AFTER case creation, limiting the time it takes to execute. (This recommendation was for a point in time and is no longer valid.) 	Completed
• Implementing 'hard' code freeze dates as well as test environment deployment dates to ensure that testing and deployment activities are not rushed.	Completed
Modifying the deployment scripts based on information gained from previous release deployments.	Completed
Consulting with RSM to determine how the 'interim testing processes' can be improved until such time that automated testing is available for repeatable and complete industry standard regression testing.	Completed
IV&V recommends performing an RCA in collaboration with RSM for the continued concerns with regression testing efforts.	Completed



Release / Deployment Planning

#		Key Findings	Criticality Rating
19	Ð	Changed from High Issue to Medium Issue - Due to ongoing deployment processes and technical execution issues, the Project may continue to encounter defects and challenges in meeting projected timelines for production and non-production deployments. R3.18 was promoted to production on 9/26/2021 with a few post-production issues that are currently being reviewed. The Project Team is including additional detail in the deployment scripts to ensure all requirements of the deployment effort are identified and addressed. Based on the recent deployment successes in releases R3.16 through R3.18, IV&V is reducing the criticality of this finding to medium. IV&V notes that the next release (R3.19) will be deployed as a full solution upgrade, which includes a compilation of all patch upgrades from R3.15 through R3.19. IV&V will continue to monitor this finding.	M

Recommendations	Status
 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. 	In Progress
 Work in collaboration with RSM to establish a transition plan for DOH to assume all deployment activities to ensure complete ownership of these processes. This should assist with consistency in approach and execution going forward. 	In Progress
As appropriate, consult with RSM on best practices that BHA could employ to support deployment.	In Progress



Release / Deployment Planning (cont'd)

Recommendations	Status
 Request the assistance of the RSM Solution Architect in reviewing and correcting issues associated with consistency of the 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. 	In Progress
 Request the assistance of the RSM Solution Architect in review of deployment scripts as a double check for accuracy and completeness prior to commencing deployment activities. 	In Progress
The Project Team should consider evaluating potential changes to improve/enhance existing processes and communications to address current release/deployment shortfalls.	In Progress
 IV&V recommends performing an RCA in collaboration with RSM for the continued concerns surrounding environment differences. 	In Progress
 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. 	In Progress
 Look at implementing 'hard' code freeze dates as well as test environment deployment dates to ensure that testing and deployment activities are not rushed. 	Completed
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.	Completed



Release / Deployment Planning (cont'd)

Recommendations	Status
 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. 	Completed
 Due to an error prone process of 'cherry picking' what is and what is not ready for deployment, IV&V recommends that DOH and RSM collaborate to determine an improved manner for managing DOH environments. (As a result of how the current development environment is being managed, 'cherry picking' components to deploy will continue to occur. This recommendation is closed.) 	Closed



#	Key Findings	Criticality Rating
15	Medium Issue - Due to multiple quality concerns, the Project may continue to face impactful system defects. The Project's focus on quality again resulted in positive progress in September. R3.18 was promoted to production on 9/26/2021 with a few post-production issues identified that are currently under review. IV&V will continue to monitor this medium priority finding.	M
Recor	nmendations	Status
• Eva	aluate existing project staff skills and experience level to ensure they meet BHA support requirements.	Open
Perform revenue neutrality fiscal balance testing on a quarterly basis to ensure revenues are as expected.		In Progress
Assign dedicated resources to provide oversight of CAMHD Fiscal Processes.		In Progress
Monitor implemented improvements for effectiveness.		In Progress
	V recommends performing an RCA in collaboration with RSM after all future release deployments for tinual quality improvement.	Completed
	A and RSM to collaborate on the necessary revisions to the submitted design deliverables to increase el of detail and quality.	Completed
	form typical project testing including System Integration, User Acceptance, Performance, and Regression sting.	Completed



Recommendations	Status
 Dedicate sufficient time in between releases for BHA and RSM to execute/implement RCA correction actions to reduce the volume of unplanned rework. 	Completed



#	Key Findings	Criticality Rating
13	Medium Issue – PII/PHI data in non-production environments. There was no substantive change to this finding in September. This effort remains on hold until additional staff are available to support. IV&V will continue to monitor this medium priority security finding.	M

Recommendations	Status
 IV&V recommends DOH consider limiting the volume of environments with PII/PHI data and access necessary to support development work, which should help minimize this risk. 	Open
• IV&V recommends if production data is necessary in any non-production environment that DOH establishes a plan for effectively managing the security of the PII/PHI data, including the potential masking of data.	In Progress
 IV&V recommends that DOH mitigates this finding by minimizing and/or masking PHI/PII data in designated non-production environments. 	In Progress

#	Key Findings	Criticality Rating
22	Preliminary Concern – Unplanned rework may have an impact on delivering DDI functionality by the end of the DDI period. Defect resolution remained at 38% of all delivered user story points during August and September. While slightly improved over previous months, the Project continues to see a higher-than-expected volume of unplanned rework due to the amount of defect fixes released to production. IV&V will continue to monitor this preliminary concern moving forward.	N/A



#	Key Findings	Criticality Rating
23	Preliminary Concern – The project schedules for 'big boulder' interface functionality development are slipping. The HHIE Single Sign On (SSO) solution was deployed to production in R3.18, however HHIE still needs to complete the configuration on their side to enable this functionality to work. Other 'big boulder' schedule slippages were observed in September, largely due to third party delays. While some preliminary components were completed and deployed to production for other 'big boulder' items in R3.18, deployment of the Clinical Review Process interface, Provider Portal, HHIE ADT/Labs interface, CAFAS interface, Provider Interface Files, and Calculator 3.0 Improvements have all been moved to R3.19. The Customer Portal Rollout is currently planned for R3.20 and the FHIR interface will be delayed until 2022 to align with updated program needs.	N/A



#	Key Findings	Criticality Rating
24	Preliminary Concern – The current DDI period expires at the end of December 2021 which will require RSM to transition the D365 solution to the State prior to contract end. The Project continues discussions for extending the DD&I effort while the previously planned slowdown of DD&I work continues through the remainder of the 2021 calendar year. A new IAPDU is being developed for submittal with a goal to obtain funding for technical project resources through May 2023. IV&V will continue to monitor.	N/A



Project Performance Metrics

Metric	Description	IV&V Observations	IV&V Updates
Velocity	 Review and validate the velocity data as reported by the project Verify the project is on pace to hit the total target number of US/USP for Phase 3 	September – Available velocity was estimated at 81 user story points for R3.18, and a total of 100.5 USP's were promoted to production on September 26, 2021. IV&V notes that RSM includes USP counts from Mid Sprint Deployments prior to a planned release as component of the planned release. Overall, the cumulative Phase 3 targeted USP's through R3.18 was planned for 1,497. The actual cumulative USP total is 1,928.8. This continues to exceed expectations for volume of work performed.	N/A

Project Performance Metrics (cont'd.)

Metric	Description	IV&V Observations	IV&V Updates
Defect Metrics	Understand and track the following: Defects by category (bug fixes) US Points assigned to defects in a release vs US Points assigned to planned US in a release	 September – R3.18 was deployed to production on September 26, 2021. A total of 100.5 USP's were promoted to production. 62% of the total USP's were associated planned user stories and requests 38% of the total USP's were associated with defects that were either encountered during the release or pulled from the backlog 	N/A

Organizational Maturity Assessment

Measure IV&V Observations

The next OMA will be planned for October 6, 2021.



Appendix A: IV&V Rating Scales

Appendix AIV&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
•	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.
L	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 September 2021 reporting period:

- 1. Daily Scrum Meetings (selected)
- 2. Twice Weekly RSM Issues Meeting
- 3. Weekly BHA-ITS Project Status Meeting
- 4. Bi-Weekly Check-in: CAMHD
- Bi-Weekly Check-in: DDD
- 6. BHA IAPDU Planning Meeting
- 7. IV&V Draft IV&V Status Review Meeting with DOH
- IV&V Draft IV&V Status Review Meeting with RSM and DOH
- 9. R3.18 Deployment Meeting

Eclipse IV&V® Base Standards and Checklists

Artifacts reviewed during the September 2021 reporting period:

- 1. Daily Scrum Notes (selected)
- 2. Twice Weekly Issues Meeting Notes (selected)
- R3.18 Release Notes





Appendix C: Project Trends

Appendix C Project Trends

Trend: Overall Project Health										
Process Area	2020-2021									
Process Area User Story Validation		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
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										
Total Open Findings	11	11	10	11	8	8	8	10	8	8
Issue - high	0	0	4	4	4	4	4	4	2	1
Issue - medium	4	4	0	0	0	2	2	2	3	4
Issue - low	0	0	0	0	0	0	1	1	0	0
Risk - high	0	0	0	0	0	0	0	0	0	0
Risk - medium	2	2	2	2	4	0	0	0	0	0
Risk - low	3	3	4	4	0	1	0	0	0	0
Preliminary Concern	2	2	0	1	0	1	1	3	3	3



Solutions that Matter

ID No	Identified Date	Title	Observation	Significance	Recommendation	Updates	Process Area	Finding Type	Priority	Status	Closure Reason	Risk Owner
1.000	12/31/2019	Detailed investigation into the project's sprint planning processes and adoption of generally accepted agile best practices.	investigating the following topics as they relate to Sprint Planning and the project's overall approach to agile software development: - IV&V acknowledges that the project is now	will help the project manage scope and productivity. Relatedly, the "definition done" is an important artifact to ensure that the project is successful. Otherwise, the project will struggle to prioritize requests/enhancements and manage scope.	III	01/31/2020 - IV&V is closing this concern, and will be tracking items related to Definition of Done, roadmap, resourcing, and backlog grooming in new, separate findings.	Sprint Planning	Concern	N/A	Closed	Due to multiple new items being tracked at a more granular level, this item has been closed.	V Ramesh
2.000	12/31/2019	As a result of regression testing not being consistently performed, production releases are both breaking and deprecating existing functionality in the production environment.	R3.3 introduced a defect that deprecated features in production specific to Integrated Support and Life Trajectory functionality. DDD has informed IV&V that there are other examples of functionality being deprecated after a release, some of which are still being investigated. As of this report, IV&V has not evaluated the project's root cause analysis (RCA) process used to determine why such functionality was deprecated but will discuss further with BHA in January 2020.	Thorough vetting and validation of regression test cases is necessary to prevent both defects and the deprecation of production functionality when a release is pushed live. When defects occur in production, the project should follow a defined and repeatable process for determining the root cause of the problem.	To address regression testing, the Project should continue to pursue and/or consider: 1. Updating the regression test scripts to ensure consistency with system configuration - Completed 2. Modifying release schedules to allow for regression testing timeframes - Completed 3. Grouping releases by functionality type to avoid unnecessary repetitive work being performed in any given section of the solution - Completed 4. Performing regression testing after every release, or possibly every other release, or potentially tying regression tests to full solution upgrade releases. In addition, consider alternating the DDD and CAMHD scripts every other release - Completed 5. Modifying regression test scripts to start AFTER case creation, limiting the time it takes to execute - Completed 6. Modifying the deployment scripts based on information gained from previous release deployments - Completed	09/30/2021 - The Project's focus on the quality of end-to-end regression testing (for both divisions) again resulted in positive progress in September. R3.18 was promoted to production on 9/26/2021 with a few post-production issues that are currently being reviewed. The planned effort to develop automated regression testing remains on hold until additional resources are made available to the BHA Team. IV&V will continue to monitor this medium priority finding. 08/31/2021 - The Project's focus on the quality of end-to-end regression testing (for both divisions) resulted in positive progress in August. Release 3.17 was promoted to production on 8/15/2021 with a couple of defects that were not caused by the release. Due to current resource constraints, the Project has decided to delay efforts to implement automated regression testing until late in the year. BHA is in discussions with Microsoft about potentially leveraging more Microsoft staff to assist with this endeavor; however, the timing needs to dovetail with BHA resource availability.	Test Practice Validation	Issue	Medium	Open		D Macdonald

3.000	12/31/2019	Usage of open source JavaScript	IV&V learned in	Open source tools and frameworks	IV&V recommends BHA work to	08/31/2020 - IV&V is unaware of any	Targeted KT	Risk	Low	Closed	RSM has	D Macdonald
3.000	12/31/2013	framework for development and		offer organizations great		additional KT gaps being identified by DOH,	raigeteu Ki	Misk	LOW	Closed	successfully	Diviacuonalu
		ongoing maintenance of Calculator	Calculator 3.0	opportunities to build and configure		and as such, is closing this finding.					held several	
		3.0 requires BHA to take a proactive		customized solutions at lower costs	communal updates and support	,,					KT sessions	
		approach to support and security.		than through software purchase or		07/31/2020 - The Project resolved the					for this	
		,	JavaScript framework. As	licensing. However, open source	Completed	majority of the outstanding Calculator 3.0					technology	
			this framework is	tools and frameworks often do not	IV&V recommends BHA continue to	defects during July which was implemented					and	
				come with support models, other	hold targeted KT sessions with RSM on	in the mid-sprint release on 7/17/2020. The					functionality,	
			source support	than those offered through the	maintaining Calculator 3.0 via a suite of	final Calculator 3.0 Knowledge Transfer					and DOH	
			community is small.	tool's community. Because of this,	tools, and determine what additional	session was conducted on 7/17/2020. IV&V					staff have	
			IV&V's concerns include:	the organization bears the weight of	skillsets, training, and/or resources are	recommends BHA to identify and					stated that it	
			- The availability of	seeking out reliable help and	needed to support BHA's long-term	communicate any additional KT gaps to					was well	
			reliable support for	support, as well as much take a	ownership of Calculator 3.0 - Completed	RSM during the month of August. If no					received.	
			Vue.JS	proactive approach to security and		additional needs are identified, IV&V will						
			- The project's	identifying any vulnerabilities in the		close this finding.						
			understanding of any	tools.		06/30/2020 - The project continued to						
			known vulnerabilities			focus attention on the Calculator 3.0						
			with Vue.JS, and			defects during the month of June. RSM						
			development of a process			conducted another Calculator 3.0						
			to remain current on			Knowledge Transfer session on 6/26/2020						
			vulnerabilities discovered			and scheduled a final session for						
			by the support			7/17/2020.						
			community.									
			- The RSM lead for			05/31/2020 - The project continued to						
			Calculator 3.0 went on			focus attention on the Calculator 3.0 user						
			extended parental leave			stories and defects during the month of						
			in December 2019			May. RSM conducted another Calculator 3.0						
5.000	1/31/2020	Due to the project not following a	There have been several	A complete, up to date, and	IVV recommends documenting	12/31/2020 - IV&V has closed this issue as	Release/Deployme	Issue	Medium	Closed	, ,	D Macdonald
		detailed deployment script, the	defects pushed to	documented deployment script is	deployment scripts for both the patch	the related recommendations below has	nt Planning				has been	
		project may continue to experience	production with Phase 3	needed to ensure the repeatability	method and the full solution upgrade	been completed. A subsequent medium					addressed	
		defects related to deployment	releases. Some of the	and stability of DOH's production	method. The script(s) should be in the	issue finding (#19) has been opened to					and	
		activities.	defects introduced to	deployments. Since there are	form of a step-by-step procedure that	address ongoing deployment processes and					proposed	
			production have been	currently two deployment types		technical execution issues.					IV&V	
			narrowed down to									l l
				(patches and full solution	deployment process and involve several	11/30/2020 - Release 3.10 was promoted to					recommenda	
			environmental	upgrades), two scripts may be	technical staff to ensure staff availability	production on 11/11/2020. Approximately					tions have	
			environmental promotional activities. In	upgrades), two scripts may be warranted. An embedded process	technical staff to ensure staff availability to accomplish these tasks when primary	production on 11/11/2020. Approximately nine (9) new defects were identified after					tions have been	
			environmental promotional activities. In these instances, the DEV	upgrades), two scripts may be warranted. An embedded process and documented script will help	technical staff to ensure staff availability to accomplish these tasks when primary deployment personnel are unavailable.	production on 11/11/2020. Approximately nine (9) new defects were identified after the deployment. Root causes are suspected					tions have been completed. A	
			environmental promotional activities. In these instances, the DEV and TEST environments	upgrades), two scripts may be warranted. An embedded process and documented script will help ensure that mistakes are minimized,	technical staff to ensure staff availability to accomplish these tasks when primary deployment personnel are unavailable. Standardize the content of all developer	production on 11/11/2020. Approximately nine (9) new defects were identified after the deployment. Root causes are suspected to be a combination of insufficient testing					tions have been completed. A subsequent	
			environmental promotional activities. In these instances, the DEV and TEST environments were not in sync with the	upgrades), two scripts may be warranted. An embedded process and documented script will help ensure that mistakes are minimized, and that functionality is not	technical staff to ensure staff availability to accomplish these tasks when primary deployment personnel are unavailable. Standardize the content of all developer deployment task notes, with a goal of	production on 11/11/2020. Approximately nine (9) new defects were identified after the deployment. Root causes are suspected to be a combination of insufficient testing from a business perspective coupled with					tions have been completed. A subsequent finding #19	
			environmental promotional activities. In these instances, the DEV and TEST environments were not in sync with the production environment	upgrades), two scripts may be warranted. An embedded process and documented script will help ensure that mistakes are minimized, and that functionality is not mistakenly deprecated when	technical staff to ensure staff availability to accomplish these tasks when primary deployment personnel are unavailable. Standardize the content of all developer deployment task notes, with a goal of eliminating any potential ambiguity to	production on 11/11/2020. Approximately nine (9) new defects were identified after the deployment. Root causes are suspected to be a combination of insufficient testing from a business perspective coupled with deployment issues. A bulk record update					tions have been completed. A subsequent finding #19 has been	
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			environmental promotional activities. In these instances, the DEV and TEST environments were not in sync with the production environment (missing business rules, missing components, missing dependencies,	upgrades), two scripts may be warranted. An embedded process and documented script will help ensure that mistakes are minimized, and that functionality is not mistakenly deprecated when	technical staff to ensure staff availability to accomplish these tasks when primary deployment personnel are unavailable. Standardize the content of all developer deployment task notes, with a goal of eliminating any potential ambiguity to the Deployment Team, resulting in a	production on 11/11/2020. Approximately nine (9) new defects were identified after the deployment. Root causes are suspected to be a combination of insufficient testing from a business perspective coupled with deployment issues. A bulk record update task required as part of the implementation was not included in the deployment, resulting in contacts being deprecated from					tions have been completed. A subsequent finding #19 has been created to address on- going	
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6.000	1/31/2020	The project lacks a documented 'Definition of Done", which could challenge the project's ability to fully achieve the goals of Phase 3.	documented 'Definition of Done' (DOD) for the BHA Top 100 User Stories of for Phase 3. Because of this, it is unclear how proposed functionality/features are prioritized for each sprint, and throughout Phase 3.	develop a Roadmap for Phase 3. Without the 'Definition of Done' document, the project is likely to struggle to prioritize proposed functionality/features which may be equally important but are at odds with each other.	team before end of Feb 2020 IV&V recommends that the project consider the items from the prioritized list, available resources and define "Done" as a percentage of the identified priority list with room for flexibility to add any other features/enhancements that will be identified during Phase 3.	recommends the project continually review and update the Definition of Done, adjusting as/if necessary. IV&V will continue to monitor the project's adherence to Definition of Done and progress against it but is closing out this concern as of the February report.		Concern	N/A	Closed	Definition of Done completed and socialized.	
7.000	1/31/2020	The lack of consistent backlog grooming could result in the project backlog having obsolete, non-estimated, and poorly defined user stories.	continues to grow. Currently, there are approximately 429	A comprehensive, up-to-date backlog is a primary tenet of agile software development. If a backlog is carrying work items that may not ever be completed for any reason, they should be removed from the backlog to ensure its viability.	IVV recommends that CAMHD and DDD groom the backlog to bring it as current and accurate as possible. This should include deprecating items no longer needed, and fully defining those items that are not yet fully defined, readying them for configuration or developer resources. To the extent feasible, BHA should involve RSM SMEs in this process, if only for the interim to get "caught up" on grooming efforts. (Closed) VV recommends that the project consider utilizing an age-based methodology for the deprecation of 'older' user stories in the backlog that may no longer be applicable or needed by the Product Owners and developing a process for periodic cleansing of the backlog using the same methodology. (Closed)	06/30/2020 - IV&V has observed for another month that the project continues to groom the backlog. As a result, we are closing this finding. 05/31/2020 - The project team has determined the backlog grooming effort has caught up, as details for release 3.9 are completed and 3.10 is near completion. IV&V will keep this finding open for an additional month to validate that the backlog continues to be groomed as new stories and defects are identified. Efforts to keep the backlog groomed should take place each month so that release planning efforts are not delayed. 04/30/2020 - The project reported that 97% of the original backlog has been estimated at this time. That said, CAMHD has determined that there are several older, and possibly no longer necessary user stories in the backlog that are candidates for deletion. IV&V will keep this finding open and will re-assess it for impact during the month of May.	Project Management	Risk	Low	Closed	The project has demonstrate d they are consistently grooming the backlog.	D Macdonald

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8.000	1/31/2020	The BHA Technical Team bandwidth	The BHA Technical Team	The BHA Technical Team leads the	The Project should investigate		Sprint Planning	Issue	High	Open		D Macdonald
		may not be sufficient to meet the	plays a role that is critical	efforts of all technical DOH staff on	mechanisms of increasing the	candidates for the open ITS4 position and is						
		needs of the project, which could compromise project productivity.	to project success. Currently, the	the project. As such, the Team's	bandwidth of the BHA Technical Team, either by adding resources through new	currently interviewing the most qualified candidates. A candidate selection is						
		compromise project productivity.	responsibilities	scarce. If the Team's expected	hires, or vendor contracts.	anticipated in October. BHA has not						
			associated with the BHA	· ·	The Project should assess, where	received approval to post its second (lower						
			Technical Team have	project could experience	possible, if there are responsibilities of	level) technical position. RSM has provided						
			expanded beyond their	bottlenecks. Optimization of the	the BHA Technical Team that can be	ongoing Calculator 3.0 knowledge transfer						
			collective available	BHA Technical Team's time is to the		sessions to BHA staff during the month of						
			bandwidth. IV&V notes	benefit of the project and plays a	The Project should evaluate where	September. IV&V will continue to monitor						
			that BHA began		process inefficiencies can be addressed	this high priority issue until resolved.						
			addressing this		11	08/31/2021 - BHA made progress during						
			bandwidth issue, which	the Phase 3 definition of done.	BHA Technical Team's availability.	August towards resolving its technical						
			includes increased	the rhase 3 definition of done.	The Project should consider the	bandwidth issues. CAMHD obtained all						
			collaboration with key		1	needed approvals and has posted an						
			RSM resources, and are		team to triage/address production	experienced technical position (ITS4) to add						
			working to potentially		defects in a timely manner, without	to the team. There is also an expectation						
			change the structure of		disrupting new development work.	that a second mid-level technical position						
			the Technical Team.		The Project should consider	will also be made available for posting in						
			the recinical realit.		procurement of an online training	early September.						
					toolset to support OCM and technical	While there is a planned reduction of RSM						
					efforts to offset the need for in-person	resources through the end of the year, BHA						
					training - COMPLETED.	and the Project needs experienced custom						
					BHA needs, and should pursue,	code developers to support the Calculator						
					additional Knowledge Transfer sessions	3.0, Portal, and any other custom code.						
					on the updated Calculator 3.0 solution.	IV&V will continue to monitor this high						
					on the apaated calculator 5.0 solution.	priority finding.						
9.000	4. 4				DVOV and another death at the Ducte at the in-	, , ,	Dun't and	Concern	N/A	Closed		
3.000	1/31/2020	The lack of a Product Roadmap that	BHA does not have a	A Roadmap is a tool that guides an	IV&V understands that the Project is in	02/29/2020 - In February, the project	Project	Concern	IN/A	Ciosea	Product	V Ramesh
3.000	1/31/2020	provides direction on the top product	single, definitive Product	agile project on what	the process of creating a Short Term;	further defined the Phase 3 Product	Management	Concern	N/A	Ciosea	Roadmap	V Ramesh
19.000	1/31/2020	provides direction on the top product features to be delivered in the near	single, definitive Product Roadmap for Phase 3 that	agile project on what functionalities/features are targeted	the process of creating a Short Term; Mid Term, and Long Term Roadmap.	further defined the Phase 3 Product Roadmap and aligned it with the Phase 3	1 1	Concern	N/A		Roadmap aligned with	V Ramesh
3.000	1/31/2020	provides direction on the top product features to be delivered in the near term (next 3 months), midterm, and	single, definitive Product Roadmap for Phase 3 that addresses the	agile project on what functionalities/features are targeted to be built and released and when	the process of creating a Short Term; Mid Term, and Long Term Roadmap. IV&V recommends the Project complete	further defined the Phase 3 Product Roadmap and aligned it with the Phase 3 Definition of Done. IV&V recommends the	1 1	Concern	IVA		Roadmap aligned with Definition of	V Ramesh
3.000	1/31/2020	provides direction on the top product features to be delivered in the near term (next 3 months), midterm, and long term could have an adverse	single, definitive Product Roadmap for Phase 3 that addresses the functionalities, features,	agile project on what functionalities/features are targeted to be built and released and when users can have access to these	the process of creating a Short Term; Mid Term, and Long Term Roadmap. IV&V recommends the Project complete this by the end of February 2020 to	further defined the Phase 3 Product Roadmap and aligned it with the Phase 3 Definition of Done. IV&V recommends the project continually review and update both	1 1	Concern	NA		Roadmap aligned with	V Ramesh
3.000	1/31/2020	provides direction on the top product features to be delivered in the near term (next 3 months), midterm, and long term could have an adverse impact on the Project's scope and	single, definitive Product Roadmap for Phase 3 that addresses the functionalities, features, and / or enhancements to	agile project on what functionalities/features are targeted to be built and released and when users can have access to these functionalities. Without a defined	the process of creating a Short Term; Mid Term, and Long Term Roadmap. IV&V recommends the Project complete this by the end of February 2020 to understand if there are any constraints	further defined the Phase 3 Product Roadmap and aligned it with the Phase 3 Definition of Done. IV&V recommends the project continually review and update both the Product Roadmap and Definition of	1 1	Concern	N/A		Roadmap aligned with Definition of	V Ramesh
3.000	1/31/2020	provides direction on the top product features to be delivered in the near term (next 3 months), midterm, and long term could have an adverse	single, definitive Product Roadmap for Phase 3 that addresses the functionalities, features, and / or enhancements to be built in order to fully	agile project on what functionalities/features are targeted to be built and released and when users can have access to these functionalities. Without a defined Roadmap the project may not be	the process of creating a Short Term; Mid Term, and Long Term Roadmap. IV&V recommends the Project complete this by the end of February 2020 to understand if there are any constraints (resources, budget) that may hinder the	further defined the Phase 3 Product Roadmap and aligned it with the Phase 3 Definition of Done. IV&V recommends the project continually review and update both the Product Roadmap and Definition of Done, adjusting as necessary. IV&V will	1 1	Concern	N/A		Roadmap aligned with Definition of	V Ramesh
3.000	1/31/2020	provides direction on the top product features to be delivered in the near term (next 3 months), midterm, and long term could have an adverse impact on the Project's scope and	single, definitive Product Roadmap for Phase 3 that addresses the functionalities, features, and / or enhancements to be built in order to fully address BHA's business	agile project on what functionalities/features are targeted to be built and released and when users can have access to these functionalities. Without a defined Roadmap the project may not be able to effectively scope the	the process of creating a Short Term; Mid Term, and Long Term Roadmap. IV&V recommends the Project complete this by the end of February 2020 to understand if there are any constraints (resources, budget) that may hinder the project from releasing the needed	further defined the Phase 3 Product Roadmap and aligned it with the Phase 3 Definition of Done. IV&V recommends the project continually review and update both the Product Roadmap and Definition of Done, adjusting as necessary. IV&V will continue to monitor the project's	1 1	Concern	N/A		Roadmap aligned with Definition of	V Ramesh
3.000	1/31/2020	provides direction on the top product features to be delivered in the near term (next 3 months), midterm, and long term could have an adverse impact on the Project's scope and	single, definitive Product Roadmap for Phase 3 that addresses the functionalities, features, and / or enhancements to be built in order to fully address BHA's business needs. IV&V met with	agile project on what functionalities/features are targeted to be built and released and when users can have access to these functionalities. Without a defined Roadmap the project may not be able to effectively scope the top features to be released within	the process of creating a Short Term; Mid Term, and Long Term Roadmap. IV&V recommends the Project complete this by the end of February 2020 to understand if there are any constraints (resources, budget) that may hinder the project from releasing the needed functionalities/features targeted for	further defined the Phase 3 Product Roadmap and aligned it with the Phase 3 Definition of Done. IV&V recommends the project continually review and update both the Product Roadmap and Definition of Done, adjusting as necessary. IV&V will continue to monitor the project's adherence to the Product Roadmap and	1 1	Concern	N/A		Roadmap aligned with Definition of	V Ramesh
3.000	1/31/2020	provides direction on the top product features to be delivered in the near term (next 3 months), midterm, and long term could have an adverse impact on the Project's scope and	single, definitive Product Roadmap for Phase 3 that addresses the functionalities, features, and / or enhancements to be built in order to fully address BHA's business needs. IV&V met with RSM and BHA on this	agile project on what functionalities/features are targeted to be built and released and when users can have access to these functionalities. Without a defined Roadmap the project may not be able to effectively scope the top features to be released within Phase 3 and ensure the correct	the process of creating a Short Term; Mid Term, and Long Term Roadmap. IV&V recommends the Project complete this by the end of February 2020 to understand if there are any constraints (resources, budget) that may hinder the project from releasing the needed functionalities/features targeted for Phase 3 as documented in the Definition	further defined the Phase 3 Product Roadmap and aligned it with the Phase 3 Definition of Done. IV&V recommends the project continually review and update both the Product Roadmap and Definition of Done, adjusting as necessary. IV&V will continue to monitor the project's adherence to the Product Roadmap and progress against it but is closing out this	1 1	Concern	N/A		Roadmap aligned with Definition of	V Ramesh
3.000	1/31/2020	provides direction on the top product features to be delivered in the near term (next 3 months), midterm, and long term could have an adverse impact on the Project's scope and	single, definitive Product Roadmap for Phase 3 that addresses the functionalities, features, and / or enhancements to be built in order to fully address BHA's business needs. IV&V met with RSM and BHA on this topic in January, and	agile project on what functionalities/features are targeted to be built and released and when users can have access to these functionalities. Without a defined Roadmap the project may not be able to effectively scope the top features to be released within Phase 3 and ensure the correct resources are available to	the process of creating a Short Term; Mid Term, and Long Term Roadmap. IV&V recommends the Project complete this by the end of February 2020 to understand if there are any constraints (resources, budget) that may hinder the project from releasing the needed functionalities/features targeted for	further defined the Phase 3 Product Roadmap and aligned it with the Phase 3 Definition of Done. IV&V recommends the project continually review and update both the Product Roadmap and Definition of Done, adjusting as necessary. IV&V will continue to monitor the project's adherence to the Product Roadmap and	1 1	Concern	N/A		Roadmap aligned with Definition of	V Ramesh
3.000	1/31/2020	provides direction on the top product features to be delivered in the near term (next 3 months), midterm, and long term could have an adverse impact on the Project's scope and	single, definitive Product Roadmap for Phase 3 that addresses the functionalities, features, and / or enhancements to be built in order to fully address BHA's business needs. IV&V met with RSM and BHA on this topic in January, and notes that the project is	agile project on what functionalities/features are targeted to be built and released and when users can have access to these functionalities. Without a defined Roadmap the project may not be able to effectively scope the top features to be released within Phase 3 and ensure the correct resources are available to accomplish the goal of each sprint	the process of creating a Short Term; Mid Term, and Long Term Roadmap. IV&V recommends the Project complete this by the end of February 2020 to understand if there are any constraints (resources, budget) that may hinder the project from releasing the needed functionalities/features targeted for Phase 3 as documented in the Definition	further defined the Phase 3 Product Roadmap and aligned it with the Phase 3 Definition of Done. IV&V recommends the project continually review and update both the Product Roadmap and Definition of Done, adjusting as necessary. IV&V will continue to monitor the project's adherence to the Product Roadmap and progress against it but is closing out this	1 1	Concern	N/A		Roadmap aligned with Definition of	V Ramesh
3.000	1/31/2020	provides direction on the top product features to be delivered in the near term (next 3 months), midterm, and long term could have an adverse impact on the Project's scope and	single, definitive Product Roadmap for Phase 3 that addresses the functionalities, features, and / or enhancements to be built in order to fully address BHA's business needs. IV&V met with RSM and BHA on this topic in January, and notes that the project is actively working to	agile project on what functionalities/features are targeted to be built and released and when users can have access to these functionalities. Without a defined Roadmap the project may not be able to effectively scope the top features to be released within Phase 3 and ensure the correct resources are available to	the process of creating a Short Term; Mid Term, and Long Term Roadmap. IV&V recommends the Project complete this by the end of February 2020 to understand if there are any constraints (resources, budget) that may hinder the project from releasing the needed functionalities/features targeted for Phase 3 as documented in the Definition	further defined the Phase 3 Product Roadmap and aligned it with the Phase 3 Definition of Done. IV&V recommends the project continually review and update both the Product Roadmap and Definition of Done, adjusting as necessary. IV&V will continue to monitor the project's adherence to the Product Roadmap and progress against it but is closing out this	1 1	Concern	N/A		Roadmap aligned with Definition of	V Ramesh
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5.000	1/31/2020	provides direction on the top product features to be delivered in the near term (next 3 months), midterm, and long term could have an adverse impact on the Project's scope and	single, definitive Product Roadmap for Phase 3 that addresses the functionalities, features, and / or enhancements to be built in order to fully address BHA's business needs. IV&V met with RSM and BHA on this topic in January, and notes that the project is actively working to	agile project on what functionalities/features are targeted to be built and released and when users can have access to these functionalities. Without a defined Roadmap the project may not be able to effectively scope the top features to be released within Phase 3 and ensure the correct resources are available to accomplish the goal of each sprint	the process of creating a Short Term; Mid Term, and Long Term Roadmap. IV&V recommends the Project complete this by the end of February 2020 to understand if there are any constraints (resources, budget) that may hinder the project from releasing the needed functionalities/features targeted for Phase 3 as documented in the Definition	further defined the Phase 3 Product Roadmap and aligned it with the Phase 3 Definition of Done. IV&V recommends the project continually review and update both the Product Roadmap and Definition of Done, adjusting as necessary. IV&V will continue to monitor the project's adherence to the Product Roadmap and progress against it but is closing out this	1 1	Concern	N/A		Roadmap aligned with Definition of	V Ramesh

40.000	2/24/2020	The COMP 40 mandamin and the	0 - 2/22/2020 th -	DOUGHELS IN THE STATE OF THE ST	11/01/	04/20/2024 The Business to a set in the Busine	D	Dist.	Laure	Clarad -	The Duction of	D. Manadamadal
10.000	3/31/2020	The COVID-19 pandemic and the	On 3/23/2020, the	DOH stakeholder participation in	- IV&V recommends BHA to ramp up	04/30/2021 - The Project continues to	Project	Risk	Low		, ,	D Macdonald
		related "stay at home" order could	Governor issued a "stay	key activities could be significantly	efforts to setup, train, and assist		Management				continues to	
		hinder project activities and	at home, work from	hindered, not only by required	stakeholders on remote work devices	working remotely, effectively overcoming					maintain its	
		negatively impact the project	home order" that has	remote work by DOH and SI staff,	and tools and make every effort to help	the "stay at home, work from home order"					ability to	
		schedule and budget.	reduced state	but also by the flood of activities	them to become highly functional with	that reduced BHA's ability to be fully					operate with	
			departments ability to be	that could occur as the department	remote access technology (e.g. MS	functional in the office. The potential DDD				5	staff working	
			fully functional as the	could become overwhelmed	Teams/Skype) - Completed	and CAMHD budget challenges reported in					remotely,	
			large majority of state	processing and providing services	- IV&V recommends the project and	March were also overcome during April,				•	effectively	
			workers will be required	due to the resulting economic	DOH create a detailed, documented risk	providing fiscal relief to BHA. As such, IV&V					overcoming	
			to work from	impacts to citizens. Some	mitigation strategy and plan that is	is closing this finding.				ı	the "stay at	
			home/remotely at least	stakeholders may be unable (due to	reviewed regularly and revised to	03/31/2021 - The Project continued to					home, work	
			until the end of April and	stricter shutdown policies) or	address the current state of the COVID-	maintain its ability to operate with staff				1	from home	
			some offices may be	unwilling to perform these activities	19 threat and related impacts over the	working remotely, while COVID-related					order" that	
			completely shut down	during this chaotic time. Planned SI	•	responsibilities continue to grow for					reduced	
			until that time as well.	on-site visits will also likely be	- IV&V recommends updates to the	CAMHD Leadership. The Governor					BHA's ability	
			Unclear if the order will	changed to remote which could	OCM Plan to include any new activities	announced that potential furloughs and/or					to be fully	
			extend beyond that date.	reduce the effectiveness of their	or updates to planned activities to aid	layoffs of State workers will no longer be					functional in	
			exteria beyona that date.	project activities. Going forward	the organization through this COVID-19	necessary based on the signing of the					the office.	
						, , , , , , , , , , , , , , , , , , , ,						
				most if not all project activities will	situation in the short and long term -	American Rescue Plan. IV&V has reduced					The potential	
				more than likely be conducted	Open	the priority of this finding from Medium to					DDD and	
				remotely until this crisis passes.		Low and will continue to monitor moving					CAMHD	
						forward.					budget	
						02/28/2021 - As reported in January, there					challenges	
						were no substantive changes observed for					reported in	
						this finding in February. The Project					March were	
						continued to maintain its ability to operate				ā	also	
						with staff working remotely. IV&V					overcome	
11.000	5/31/2020	The lack of design reviews for	There were a couple	If all requirements within a	IV&V recommends (and DOH has	07/31/2020 - The Project continues to to		Concern		Closed	This process	
11.000	5/31/2020	The lack of design reviews for complex user stories has resulted in	There were a couple incidents during May	·	IV&V recommends (and DOH has commenced) conducting technical	. ,		Concern			This process change to	
11.000	5/31/2020	1	1	functional design are not met, users	commenced) conducting technical	07/31/2020 - The Project continues to to spend additional time on the designs of		Concern			· .	
11.000	5/31/2020	complex user stories has resulted in the promotion of incomplete	incidents during May where the code promoted	functional design are not met, users could experience the inability to	commenced) conducting technical design reviews for complex user stories	07/31/2020 - The Project continues to to spend additional time on the designs of complex user stories during June to ensure		Concern		9	change to spend extra	
11.000	5/31/2020	complex user stories has resulted in	incidents during May where the code promoted to production did not	functional design are not met, users could experience the inability to complete required processes,	commenced) conducting technical design reviews for complex user stories prior to development to ensure designs	07/31/2020 - The Project continues to to spend additional time on the designs of complex user stories during June to ensure requirements and user story components		Concern		5 1	change to spend extra time on the	
11.000	5/31/2020	complex user stories has resulted in the promotion of incomplete	incidents during May where the code promoted to production did not fully meet all	functional design are not met, users could experience the inability to complete required processes, resulting in incomplete data	commenced) conducting technical design reviews for complex user stories prior to development to ensure designs are complete and all requirements	07/31/2020 - The Project continues to to spend additional time on the designs of complex user stories during June to ensure requirements and user story components were fully captured in design sessions. This		Concern		1	change to spend extra time on the design of	
11.000	5/31/2020	complex user stories has resulted in the promotion of incomplete	incidents during May where the code promoted to production did not fully meet all requirements of	functional design are not met, users could experience the inability to complete required processes, resulting in incomplete data collection and potential issues in	commenced) conducting technical design reviews for complex user stories prior to development to ensure designs are complete and all requirements associated with the design are met.	07/31/2020 - The Project continues to to spend additional time on the designs of complex user stories during June to ensure requirements and user story components were fully captured in design sessions. This process change has proven successful, and		Concern		0 5 1 0	change to spend extra time on the design of complex user	
11.000	5/31/2020	complex user stories has resulted in the promotion of incomplete	incidents during May where the code promoted to production did not fully meet all requirements of associated user stories for	functional design are not met, users could experience the inability to complete required processes, resulting in incomplete data collection and potential issues in	commenced) conducting technical design reviews for complex user stories prior to development to ensure designs are complete and all requirements associated with the design are met. IV&V observed this activity has been	07/31/2020 - The Project continues to to spend additional time on the designs of complex user stories during June to ensure requirements and user story components were fully captured in design sessions. This process change has proven successful, and as such, IV&V recommends closing this		Concern		11000	change to spend extra time on the design of complex user stories to	
11.000	5/31/2020	complex user stories has resulted in the promotion of incomplete	incidents during May where the code promoted to production did not fully meet all requirements of associated user stories for CAMHD Progress Notes.	functional design are not met, users could experience the inability to complete required processes, resulting in incomplete data collection and potential issues in	commenced) conducting technical design reviews for complex user stories prior to development to ensure designs are complete and all requirements associated with the design are met. IV&V observed this activity has been implemented by DOH in the month of	07/31/2020 - The Project continues to to spend additional time on the designs of complex user stories during June to ensure requirements and user story components were fully captured in design sessions. This process change has proven successful, and as such, IV&V recommends closing this concern.		Concern		11000	change to spend extra time on the design of complex user	
11.000	5/31/2020	complex user stories has resulted in the promotion of incomplete	incidents during May where the code promoted to production did not fully meet all requirements of associated user stories for CAMHD Progress Notes. The components that	functional design are not met, users could experience the inability to complete required processes, resulting in incomplete data collection and potential issues in	commenced) conducting technical design reviews for complex user stories prior to development to ensure designs are complete and all requirements associated with the design are met. IV&V observed this activity has been	07/31/2020 - The Project continues to to spend additional time on the designs of complex user stories during June to ensure requirements and user story components were fully captured in design sessions. This process change has proven successful, and as such, IV&V recommends closing this concern. 06/30/2020 - IV&V acknowledges the		Concern		1 1 0 3	change to spend extra time on the design of complex user stories to ensure that all	
11.000	5/31/2020	complex user stories has resulted in the promotion of incomplete	incidents during May where the code promoted to production did not fully meet all requirements of associated user stories for CAMHD Progress Notes. The components that were developed and	functional design are not met, users could experience the inability to complete required processes, resulting in incomplete data collection and potential issues in	commenced) conducting technical design reviews for complex user stories prior to development to ensure designs are complete and all requirements associated with the design are met. IV&V observed this activity has been implemented by DOH in the month of	07/31/2020 - The Project continues to to spend additional time on the designs of complex user stories during June to ensure requirements and user story components were fully captured in design sessions. This process change has proven successful, and as such, IV&V recommends closing this concern. 06/30/2020 - IV&V acknowledges the Project Team continued to spend additional		Concern		1 1 0 0 1 1	change to spend extra time on the design of complex user stories to ensure that all requirement	
11.000	5/31/2020	complex user stories has resulted in the promotion of incomplete	incidents during May where the code promoted to production did not fully meet all requirements of associated user stories for CAMHD Progress Notes. The components that were developed and implemented were	functional design are not met, users could experience the inability to complete required processes, resulting in incomplete data collection and potential issues in	commenced) conducting technical design reviews for complex user stories prior to development to ensure designs are complete and all requirements associated with the design are met. IV&V observed this activity has been implemented by DOH in the month of	07/31/2020 - The Project continues to to spend additional time on the designs of complex user stories during June to ensure requirements and user story components were fully captured in design sessions. This process change has proven successful, and as such, IV&V recommends closing this concern. 06/30/2020 - IV&V acknowledges the Project Team continued to spend additional time on the designs of complex user stories		Concern		1 1 0 3 5 6 6 1	change to spend extra time on the design of complex user stories to ensure that all requirement s are	
11.000	5/31/2020	complex user stories has resulted in the promotion of incomplete	incidents during May where the code promoted to production did not fully meet all requirements of associated user stories for CAMHD Progress Notes. The components that were developed and implemented were functional, however the	functional design are not met, users could experience the inability to complete required processes, resulting in incomplete data collection and potential issues in	commenced) conducting technical design reviews for complex user stories prior to development to ensure designs are complete and all requirements associated with the design are met. IV&V observed this activity has been implemented by DOH in the month of	07/31/2020 - The Project continues to to spend additional time on the designs of complex user stories during June to ensure requirements and user story components were fully captured in design sessions. This process change has proven successful, and as such, IV&V recommends closing this concern. 06/30/2020 - IV&V acknowledges the Project Team continued to spend additional time on the designs of complex user stories during June to ensure requirements and		Concern		3 1 0 3 4 4 1	change to spend extra time on the design of complex user stories to ensure that all requirement is are represented	
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11.000	5/31/2020	complex user stories has resulted in the promotion of incomplete	incidents during May where the code promoted to production did not fully meet all requirements of associated user stories for CAMHD Progress Notes. The components that were developed and implemented were functional, however the effort was complicated by additional requirements	functional design are not met, users could experience the inability to complete required processes, resulting in incomplete data collection and potential issues in	commenced) conducting technical design reviews for complex user stories prior to development to ensure designs are complete and all requirements associated with the design are met. IV&V observed this activity has been implemented by DOH in the month of	07/31/2020 - The Project continues to to spend additional time on the designs of complex user stories during June to ensure requirements and user story components were fully captured in design sessions. This process change has proven successful, and as such, IV&V recommends closing this concern. 06/30/2020 - IV&V acknowledges the Project Team continued to spend additional time on the designs of complex user stories during June to ensure requirements and user story components were fully captured in design sessions. IV&V will continue to		Concern		3 1 0 3 3 4 1 1	change to spend extra time on the design of complex user stories to ensure that all requirement is are represented that proven to be	
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11.000	5/31/2020	complex user stories has resulted in the promotion of incomplete	incidents during May where the code promoted to production did not fully meet all requirements of associated user stories for CAMHD Progress Notes. The components that were developed and implemented were functional, however the effort was complicated by additional requirements being added during development that necessitated additional changes to the design. IV&V will continue to monitor the design review activity for large user stories moving	functional design are not met, users could experience the inability to complete required processes, resulting in incomplete data collection and potential issues in	commenced) conducting technical design reviews for complex user stories prior to development to ensure designs are complete and all requirements associated with the design are met. IV&V observed this activity has been implemented by DOH in the month of	07/31/2020 - The Project continues to to spend additional time on the designs of complex user stories during June to ensure requirements and user story components were fully captured in design sessions. This process change has proven successful, and as such, IV&V recommends closing this concern. 06/30/2020 - IV&V acknowledges the Project Team continued to spend additional time on the designs of complex user stories during June to ensure requirements and user story components were fully captured in design sessions. IV&V will continue to		Concern		3 1 0 3 3 4 1 1	change to spend extra time on the design of complex user stories to ensure that all requirement is are represented that proven to be	
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12.000	7/31/2020	DDD Project resource shortages may	The user adoption and	The significance and impact of OCM	IV&V recommends that BHA does as	03/31/2021 - The DDD staff who've been	Project	Risk	Low	Closed	The DDD	D Macdonald
12.000	7,31,2020	have a continued negative effect on	training efforts are	can never be understated. It is	much as possible within its sphere of	part of the review process are pleased with	Management	Misk	2011	Ciosca	staff who've	Dividedonald
		user adoption, training, and overall		clearly a best practice that best that	influence to increase user adoption and	the quality of the videos produced within					been part of	
		OCM activities.	' '	all staff utilize the solution in the	training. This includes procurement of	the toolset and have determined that the					the review	
			has stated that its users	same manner. Variations in how	the online training toolsets to offset the	toolset is a very helpful training tool for					process are	
				the system is utilized by its users is	need for in-person training, and adding	DDD staff and providers. As such, IV&V is					pleased with	
			be utilizing the system to	likely to cause variations in data	staff as needed to support OCM and	closing this finding.					the quality of	
			its fullest extent in terms	collection and analytical efforts	technical efforts.	02/28/2021 - Training videos using the new					the videos	
			of system workflow,	using the data collected.	IV&V recommends DOH perform a	toolset were nearing completion by the end					produced	
			provide their insights and		detailed investigation of the specific	of February. DOH is currently reviewing the					within the	
			input, follow up, etc. To		variations as to how the system is	drafts of the second set of videos and work					toolset, and	
			assist in OCM activities,		currently being used by the user	is progressing well. IV&V will continue to					have	
			DDD has defined the need		community. Consequently, users would	monitor this finding until DDD has had					determined	
			for an interactive training		be provided with constructive feedback	sufficient time to determine the overall					that the	
			tool to support Inspire.		on how the system should be utilized	quality of the training work products and					toolset is a	
					where gaps exist. This will likely lead to	whether the new toolset is addressing user					very helpful	
					additional refresher training to close	adoption and staffing shortages for these					training tool	
					identified system knowledge gaps.	task efforts.					for DDD staff	
						01/31/2021 - Training design activities					and	
						using the interactive training toolset					providers.	
						commenced in January and has attained						
						good progress. The use of this tool is						
						expected to provide some bandwidth relief						
						for DDD staff members responsible for						
						onboarding new staff members and						
						providers, and to provide refresher training to existing staff members. IV&V will						
12.000	0/21/2020	DII/DIII data in nan muadustian	11/81/ has been made	Failure to seems DU/DUI date leaves	IVOV sees seems and if and distant data is	<u> </u>	Duningt	leave	N.A. odiumo	0		D Mandanald
13.000	8/31/2020	PII/PHI data in non-production	IV&V has been made	Failure to secure PII/PHI data leaves	IV&V recommends if production data is	09/30/2021 - There was no substantive	Project	Issue	Medium	Open		D Macdonald
13.000	8/31/2020	PII/PHI data in non-production environments	aware that PII/PHI data	the organization open to highly	necessary in any non-production	09/30/2021 - There was no substantive change to this finding in September. This	Project Management	Issue	Medium	Open	I	D Macdonald
13.000	8/31/2020	1	aware that PII/PHI data currently exist in a non-	the organization open to highly targeted social engineering attacks,	necessary in any non-production environment that DOH establishes a	09/30/2021 - There was no substantive change to this finding in September. This effort remains on hold until additional staff	1 -	Issue	Medium	Open		D Macdonald
13.000	8/31/2020	1	aware that PII/PHI data currently exist in a non- production environment	the organization open to highly targeted social engineering attacks, heavy regulatory fines, and loss of	necessary in any non-production environment that DOH establishes a plan for effectively managing the	09/30/2021 - There was no substantive change to this finding in September. This effort remains on hold until additional staff are available to support. IV&V will continue	1 -	Issue	Medium	Open		D Macdonald
13.000	8/31/2020	1	aware that PII/PHI data currently exist in a non- production environment to meet project needs.	the organization open to highly targeted social engineering attacks,	necessary in any non-production environment that DOH establishes a plan for effectively managing the security of the PII/PHI data, including	09/30/2021 - There was no substantive change to this finding in September. This effort remains on hold until additional staff are available to support. IV&V will continue to monitor this medium priority security	1 -	Issue	Medium	Open		D Macdonald
13.000	8/31/2020	1	aware that PII/PHI data currently exist in a non- production environment to meet project needs. Generally this is not a	the organization open to highly targeted social engineering attacks, heavy regulatory fines, and loss of	necessary in any non-production environment that DOH establishes a plan for effectively managing the security of the PII/PHI data, including the potential masking of data.	09/30/2021 - There was no substantive change to this finding in September. This effort remains on hold until additional staff are available to support. IV&V will continue to monitor this medium priority security finding.	1 -	Issue	Medium	Open		D Macdonald
13.000	8/31/2020	1	aware that PII/PHI data currently exist in a non- production environment to meet project needs.	the organization open to highly targeted social engineering attacks, heavy regulatory fines, and loss of	necessary in any non-production environment that DOH establishes a plan for effectively managing the security of the PII/PHI data, including the potential masking of data. IV&V recommends that DOH mitigates	09/30/2021 - There was no substantive change to this finding in September. This effort remains on hold until additional staff are available to support. IV&V will continue to monitor this medium priority security	1 -	Issue	Medium	Open		D Macdonald
13.000	8/31/2020	1	aware that PII/PHI data currently exist in a non- production environment to meet project needs. Generally this is not a good security practice as	the organization open to highly targeted social engineering attacks, heavy regulatory fines, and loss of	necessary in any non-production environment that DOH establishes a plan for effectively managing the security of the PII/PHI data, including the potential masking of data. IV&V recommends that DOH mitigates	09/30/2021 - There was no substantive change to this finding in September. This effort remains on hold until additional staff are available to support. IV&V will continue to monitor this medium priority security finding. 08/31/2021 - Due to resource constraints,	1 -	Issue	Medium	Open		D Macdonald
13.000	8/31/2020	1	aware that PII/PHI data currently exist in a non- production environment to meet project needs. Generally this is not a good security practice as the presence of PII/PHI	the organization open to highly targeted social engineering attacks, heavy regulatory fines, and loss of	necessary in any non-production environment that DOH establishes a plan for effectively managing the security of the PII/PHI data, including the potential masking of data. IV&V recommends that DOH mitigates this finding by removing and/or masking	09/30/2021 - There was no substantive change to this finding in September. This effort remains on hold until additional staff are available to support. IV&V will continue to monitor this medium priority security finding. 08/31/2021 - Due to resource constraints, this effort has been put on hold until	1 -	Issue	Medium	Open		D Macdonald
13.000	8/31/2020	1	aware that PII/PHI data currently exist in a non-production environment to meet project needs. Generally this is not a good security practice as the presence of PII/PHI data in non-production	the organization open to highly targeted social engineering attacks, heavy regulatory fines, and loss of	necessary in any non-production environment that DOH establishes a plan for effectively managing the security of the PII/PHI data, including the potential masking of data. IV&V recommends that DOH mitigates this finding by removing and/or masking any PHI/PII data in its non-production	09/30/2021 - There was no substantive change to this finding in September. This effort remains on hold until additional staff are available to support. IV&V will continue to monitor this medium priority security finding. 08/31/2021 - Due to resource constraints, this effort has been put on hold until additional staff are made available to	1 -	Issue	Medium	Open		D Macdonald
13.000	8/31/2020	1	aware that PII/PHI data currently exist in a non-production environment to meet project needs. Generally this is not a good security practice as the presence of PII/PHI data in non-production environments increases	the organization open to highly targeted social engineering attacks, heavy regulatory fines, and loss of	necessary in any non-production environment that DOH establishes a plan for effectively managing the security of the PII/PHI data, including the potential masking of data. IV&V recommends that DOH mitigates this finding by removing and/or masking any PHI/PII data in its non-production environments.	09/30/2021 - There was no substantive change to this finding in September. This effort remains on hold until additional staff are available to support. IV&V will continue to monitor this medium priority security finding. 08/31/2021 - Due to resource constraints, this effort has been put on hold until additional staff are made available to support. IV&V will continue to monitor this	1 -	Issue	Medium	Open		D Macdonald
13.000	8/31/2020	1	aware that PII/PHI data currently exist in a non-production environment to meet project needs. Generally this is not a good security practice as the presence of PII/PHI data in non-production environments increases the potential for theft,	the organization open to highly targeted social engineering attacks, heavy regulatory fines, and loss of	necessary in any non-production environment that DOH establishes a plan for effectively managing the security of the PII/PHI data, including the potential masking of data. IV&V recommends that DOH mitigates this finding by removing and/or masking any PHI/PII data in its non-production environments. NEW - IV&V recommends DOH consider	09/30/2021 - There was no substantive change to this finding in September. This effort remains on hold until additional staff are available to support. IV&V will continue to monitor this medium priority security finding. 08/31/2021 - Due to resource constraints, this effort has been put on hold until additional staff are made available to support. IV&V will continue to monitor this medium priority security finding.	1 -	Issue	Medium	Open		D Macdonald
13.000	8/31/2020	1	aware that PII/PHI data currently exist in a non-production environment to meet project needs. Generally this is not a good security practice as the presence of PII/PHI data in non-production environments increases the potential for theft, loss or exposure thus	the organization open to highly targeted social engineering attacks, heavy regulatory fines, and loss of client trust and loyalty.	necessary in any non-production environment that DOH establishes a plan for effectively managing the security of the PII/PHI data, including the potential masking of data. IV&V recommends that DOH mitigates this finding by removing and/or masking any PHI/PII data in its non-production environments. NEW - IV&V recommends DOH consider limiting the volume of environments and access necessary to support development work, which should help	09/30/2021 - There was no substantive change to this finding in September. This effort remains on hold until additional staff are available to support. IV&V will continue to monitor this medium priority security finding. 08/31/2021 - Due to resource constraints, this effort has been put on hold until additional staff are made available to support. IV&V will continue to monitor this medium priority security finding. 07/31/2021 - BHA met with the	1 -	Issue	Medium	Open		D Macdonald
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13.000	8/31/2020	1	aware that PII/PHI data currently exist in a non-production environment to meet project needs. Generally this is not a good security practice as the presence of PII/PHI data in non-production environments increases the potential for theft, loss or exposure thus increasing the organization's risk. Failure to secure PII/PHI data leaves the organization open to highly targeted social engineering attacks, heavy regulatory fines, and loss of client	the organization open to highly targeted social engineering attacks, heavy regulatory fines, and loss of client trust and loyalty.	necessary in any non-production environment that DOH establishes a plan for effectively managing the security of the PII/PHI data, including the potential masking of data. IV&V recommends that DOH mitigates this finding by removing and/or masking any PHI/PII data in its non-production environments. NEW - IV&V recommends DOH consider limiting the volume of environments and access necessary to support development work, which should help	09/30/2021 - There was no substantive change to this finding in September. This effort remains on hold until additional staff are available to support. IV&V will continue to monitor this medium priority security finding. 08/31/2021 - Due to resource constraints, this effort has been put on hold until additional staff are made available to support. IV&V will continue to monitor this medium priority security finding. 07/31/2021 - BHA met with the Department of Human Services (DHS) to discuss the use of the Delphix tool which they currently use for masking PII/PHI data in non-production environments. An initial assessment of this tool would require downloads from D365, masking of data, and subsequent uploads in a sequential manner. This may not be the best approach for masking data. Consequently, BHA has collaborated with Microsoft to investigate using out of the box functions in coordination with flow jobs, however this	1 -	Issue	Medium	Open		D Macdonald

14.000	8/31/2020	Project not able to access Activity	The Project recently	The unavailability of activity logs	IV&V recommends that DHS continues	03/31/2021 - Per BHA, this finding is no	Release/Deployme	Risk	Low	Closed	Finding has	D Macdonald
	' '	Logs		may hamper the investigation of	to collaborate with Microsoft until the	longer an issue and recommends closure.	nt Planning				been	
				future security breaches.	activity logging feature is available in all	IV&V is closing this finding.					resolved.	
			production whereby	·	BHA non-production environments.	02/28/2021 - BHA continued this effort in						
			these logs can be		·	February despite a workaround being						
			accessed and exported as			necessary from Microsoft due to a layering						
			needed. However, IV&V			issue. Based on continued delays, it is						
			was made aware access			unclear when this important security						
			to activity logging for			activity will be completed. IV&V will						
			users with just view			continue to monitor this finding. (Per Kamu,						
			permissions will not be			this status information did not correctly						
			available from Microsoft			reflect the issue as the layering issue has no						
			in the public sector			relation to the activity logs.)						
			environment until the			01/31/2021 - The implementation effort for						
			end of September 2020.			this activity moved forward in January.						
			The unavailability of			Some of the entities will have activity						
			these specific activity logs			logging completed in the planned early						
			could potentially hamper			February Release 3.12, while others will be						
			the investigation of future			delayed until Release 3.13. IVV will						
			security events until			continue to monitor.						
			implemented.			12/31/2020 - The planning effort for						
						identifying the entities that will require						
						activation of the new activity logs was						
						completed during December. The						
						implementation effort has been prioritized						
						for inclusion in Release 3.12. IV&V will						
						continue to monitor this finding until		-		_		
15.000	9/30/2020	Due to multiple quality concerns, the	1 '	The identified quality issues have	To address quality issues, the Project	09/30/2021 - The Project's focus on quality	Project	Issue	Medium	Open		D Macdonald
		project may continue to face impactful system defects.	in August that affected claims were due to multi-	negatively affected DOH billing processes and DOH has stated these	should continue to pursue and/or consider:	again resulted in positive progress in	Management					
		impactiui system derects.	faceted quality issues	are the most impactful defects		September. R3.18 was promoted to production on 9/26/2021 with a few post-						
				discovered to date.	1) Perform revenue neutrality fiscal balance testing on a quarterly basis to	production on 9/26/2021 with a few post-						
			addressed during this	discovered to date.		currently under review. IV&V will continue						
			reporting period. IV&V		ensure revenues are as expected. 2) Performing typical project testing	to monitor this medium priority finding.						
			notes that there is one		including System Integration, User	08/31/2021 - The Project's focus on quality						
			remaining defect still		Acceptance, Performance, and	resulted in good progress in August.						
			being evaluated that		Regression Testing. Completed	Release 3.17 was promoted to production						
			affects a limited number		Assigning a dedicated resource to	on 8/15/2021 without any major defects or						
			of claims. Overall, the		provide oversight of CAMHD Fiscal	deployment issues. The recent RCA efforts						
			Project Team has		Processes.	focused on design error mitigation and						
			responded with a		4) BHA and RSM to collaborate on the	regression testing for high-risk areas. The						
			commitment to increase		necessary revisions to the submitted	Project has also pursued the ongoing						
			project quality and is in		design deliverables to increase level of	operational monitoring of failed D365						
			the process of identifying		detail and quality - Completed	processes as a means of detecting issues						
			improvements to		1	sooner than later. Overall, the quality						
			associated testing		for effectiveness In Progress	improvement measures and efforts						
			processes. These		6) Evaluate existing project staff skills	performed by the project have been						
			currently include:		and experience level to ensure they	positive, and as result, IV&V is lowering the						
			Performing Revenue		meet BHA support requirements - Open	priority of this finding to Medium. IV&V						
			Neutrality Testing to		7) IV&V recommends performing an	will continue to monitor this finding.						
	1		ensure expected revenue		RCA in collaboration with RSM after all	07/31/2021 - Release 3.16 was deployed to				1		
			streams are largely		future release deployments for	production on 7/2/2021 with just 3 new						
					future release deployments for continual quality improvement. Completed	production on 7/2/2021 with just 3 new medium priority production defects recorded as being attributable to the						

	10/5/2020	Hears of Computies and IDM for	The musicature of the			01/21/2021 The musical bases of	Townstad I/T	Camanan		Classed	The market	D Mand Lil
16.000	10/5/2020	Usage of Semantics and IDM for	The project noted its			01/31/2021 - The project has made great	Targeted KT	Concern		Closed		D Macdonald
		development and ongoing	intent to obtain more targeted knowledge			strides addressing this concern. A					has made	
		maintenance of the system requires				Semantics Layer KT session was conducted					good	
		BHA to take a proactive approach to support of these tools.	transfer of both the Semantics Reporting and			on 1/29/21 and multiple IDM and Semantic					progress establishing	
		support of these tools.	IDM tools. IV&V will			Layer sessions has been scheduled in					and initial	
						February. IV&V is closing this finding as we					execution of	
			continue to monitor this			no longer view this item as a concern.					the IDM and	
			concern.			12/31/2020 - IV&V is aware that an						
						overview of the Semantics Layer KT session					Semantics	
						was held on 12/16/20. The planning effort					Layer KT plan.	
						will result in additional Semantic Layer and					pian.	
						IDM KT sessions in the coming months.						
						IV&V will continue to monitor this finding.						
						11/30/2020 - The project conducted two						
						high-level overview sessions of the						
						Semantic Layer Reporting tools during						
						November. One session was focused on the						
						overall Semantic Layer, and the second						
						session was focused on Semantic Layer						
						Security. Additional targeted Knowledge						
						Transfer sessions on the Semantic Layer						
						tools will need to be provided by RSM;						
						however, these have not been scheduled.						
						IV&V will continue to monitor this finding.						
						10/31/2020 - The project intends to obtain						
						more targeted knowledge transfer for both						
						the Semantics Reporting and IDM tools and						
17.000	10/27/2020	The bandwidth of CAMHD Leadership	CAMHD has been	ICAMADU Landarchia participation in	IV&V recommends CAMHD look for			Risk		Closed	CAMHD	D Macdonald
		· ·		CAMDH Leadership participation in	1	06/30/2021 - As anticipated, the CAMHD	Project	MISK	Low	Cioseu		Dividedoriald
		is being hampered by planning tasks	provided with an	key activities could be significantly	opportunities to augment the	Leadership time dedicated to the Project	Management	Nisk	LOW	Closed	Leadership	Diviacuonalu
		is being hampered by planning tasks and activities for assessing project	provided with an approval to commence	key activities could be significantly hindered by the flood of activities	opportunities to augment the management staffing for planning Phase	Leadership time dedicated to the Project has returned to normal and expected levels.	1 '	NISK	LOW	Closed	Leadership time	Diviacuonalu
	, ,	is being hampered by planning tasks	provided with an approval to commence planning efforts for	key activities could be significantly hindered by the flood of activities that could occur as the department	opportunities to augment the management staffing for planning Phase 4 and M&O work.	Leadership time dedicated to the Project has returned to normal and expected levels. As such, IV&V is closing this finding.	1 '	Nisk	Low	Closed	Leadership time dedicated to	Diviacuonalu
	, ,	is being hampered by planning tasks and activities for assessing project	provided with an approval to commence planning efforts for expansion of the project	key activities could be significantly hindered by the flood of activities that could occur as the department assesses expansion of this project to	opportunities to augment the management staffing for planning Phase 4 and M&O work.	Leadership time dedicated to the Project has returned to normal and expected levels. As such, IV&V is closing this finding. 05/31/2021 - As anticipated, CAMHD	1 '	NSK	Low	cioseu	Leadership time dedicated to the project	Diviacuonalu
	, ,	is being hampered by planning tasks and activities for assessing project	provided with an approval to commence planning efforts for expansion of the project for ADAD and AMHD &	key activities could be significantly hindered by the flood of activities that could occur as the department	opportunities to augment the management staffing for planning Phase 4 and M&O work.	Leadership time dedicated to the Project has returned to normal and expected levels. As such, IV&V is closing this finding. 05/31/2021 - As anticipated, CAMHD Leadership time spent on efforts outside of	1 '	INISK	Low	cioseu	Leadership time dedicated to the project has returned	B Waccontain
		is being hampered by planning tasks and activities for assessing project	provided with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH. CAMHD Leadership	key activities could be significantly hindered by the flood of activities that could occur as the department assesses expansion of this project to	opportunities to augment the management staffing for planning Phase 4 and M&O work.	Leadership time dedicated to the Project has returned to normal and expected levels. As such, IV&V is closing this finding. 05/31/2021 - As anticipated, CAMHD Leadership time spent on efforts outside of the Inspire Project reduced during May.	1 '	NISK	Low	Closed	Leadership time dedicated to the project	D Wacuonaid
		is being hampered by planning tasks and activities for assessing project	provided with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH. CAMHD Leadership currently spends 25% of	key activities could be significantly hindered by the flood of activities that could occur as the department assesses expansion of this project to	opportunities to augment the management staffing for planning Phase 4 and M&O work.	Leadership time dedicated to the Project has returned to normal and expected levels. As such, IV&V is closing this finding. 05/31/2021 - As anticipated, CAMHD Leadership time spent on efforts outside of the Inspire Project reduced during May. This level of effort decreased to	1 '	NISK	Low	Closed	Leadership time dedicated to the project has returned	<i>b</i> wacconau
		is being hampered by planning tasks and activities for assessing project	provided with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH. CAMHD Leadership currently spends 25% of their available time	key activities could be significantly hindered by the flood of activities that could occur as the department assesses expansion of this project to the balance of divisions.	opportunities to augment the management staffing for planning Phase 4 and M&O work.	Leadership time dedicated to the Project has returned to normal and expected levels. As such, IV&V is closing this finding. 05/31/2021 - As anticipated, CAMHD Leadership time spent on efforts outside of the Inspire Project reduced during May. This level of effort decreased to approximately 10% of available time in	1 '	NSK	LOW	Closed	Leadership time dedicated to the project has returned	<i>b</i> wacconau
		is being hampered by planning tasks and activities for assessing project	provided with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH. CAMHD Leadership currently spends 25% of their available time dedicated to this planning	key activities could be significantly hindered by the flood of activities that could occur as the department assesses expansion of this project to the balance of divisions.	opportunities to augment the management staffing for planning Phase 4 and M&O work.	Leadership time dedicated to the Project has returned to normal and expected levels. As such, IV&V is closing this finding. 05/31/2021 - As anticipated, CAMHD Leadership time spent on efforts outside of the Inspire Project reduced during May. This level of effort decreased to approximately 10% of available time in May, largely for the planning of the	1 '	NSK	Low	Closed	Leadership time dedicated to the project has returned	<i>b</i> wacconau
		is being hampered by planning tasks and activities for assessing project	provided with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH. CAMHD Leadership currently spends 25% of their available time	key activities could be significantly hindered by the flood of activities that could occur as the department assesses expansion of this project to the balance of divisions.	opportunities to augment the management staffing for planning Phase 4 and M&O work.	Leadership time dedicated to the Project has returned to normal and expected levels. As such, IV&V is closing this finding. 05/31/2021 - As anticipated, CAMHD Leadership time spent on efforts outside of the Inspire Project reduced during May. This level of effort decreased to approximately 10% of available time in May, largely for the planning of the Max/Inspire divisional expansion effort. As	1 '	NSK	Low	Closed	Leadership time dedicated to the project has returned	<i>D</i> wacconard
		is being hampered by planning tasks and activities for assessing project	provided with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH. CAMHD Leadership currently spends 25% of their available time dedicated to this planning	key activities could be significantly hindered by the flood of activities that could occur as the department assesses expansion of this project to the balance of divisions.	opportunities to augment the management staffing for planning Phase 4 and M&O work.	Leadership time dedicated to the Project has returned to normal and expected levels. As such, IV&V is closing this finding. 05/31/2021 - As anticipated, CAMHD Leadership time spent on efforts outside of the Inspire Project reduced during May. This level of effort decreased to approximately 10% of available time in May, largely for the planning of the Max/Inspire divisional expansion effort. As such, IV&V is reducing the priority of this	1 '	NISK	Low	Closed	Leadership time dedicated to the project has returned	D Macconad
		is being hampered by planning tasks and activities for assessing project	provided with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH. CAMHD Leadership currently spends 25% of their available time dedicated to this planning	key activities could be significantly hindered by the flood of activities that could occur as the department assesses expansion of this project to the balance of divisions.	opportunities to augment the management staffing for planning Phase 4 and M&O work.	Leadership time dedicated to the Project has returned to normal and expected levels. As such, IV&V is closing this finding. 05/31/2021 - As anticipated, CAMHD Leadership time spent on efforts outside of the Inspire Project reduced during May. This level of effort decreased to approximately 10% of available time in May, largely for the planning of the Max/Inspire divisional expansion effort. As such, IV&V is reducing the priority of this finding from Medium to Low and will	1 '	NISK	Low	Closed	Leadership time dedicated to the project has returned	D Macconad
		is being hampered by planning tasks and activities for assessing project	provided with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH. CAMHD Leadership currently spends 25% of their available time dedicated to this planning	key activities could be significantly hindered by the flood of activities that could occur as the department assesses expansion of this project to the balance of divisions.	opportunities to augment the management staffing for planning Phase 4 and M&O work.	Leadership time dedicated to the Project has returned to normal and expected levels. As such, IV&V is closing this finding. 05/31/2021 - As anticipated, CAMHD Leadership time spent on efforts outside of the Inspire Project reduced during May. This level of effort decreased to approximately 10% of available time in May, largely for the planning of the Max/Inspire divisional expansion effort. As such, IV&V is reducing the priority of this finding from Medium to Low and will continue to monitor.	1 '	NISK	Low	Closed	Leadership time dedicated to the project has returned	D Macconad
		is being hampered by planning tasks and activities for assessing project	provided with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH. CAMHD Leadership currently spends 25% of their available time dedicated to this planning	key activities could be significantly hindered by the flood of activities that could occur as the department assesses expansion of this project to the balance of divisions.	opportunities to augment the management staffing for planning Phase 4 and M&O work.	Leadership time dedicated to the Project has returned to normal and expected levels. As such, IV&V is closing this finding. 05/31/2021 - As anticipated, CAMHD Leadership time spent on efforts outside of the Inspire Project reduced during May. This level of effort decreased to approximately 10% of available time in May, largely for the planning of the Max/Inspire divisional expansion effort. As such, IV&V is reducing the priority of this finding from Medium to Low and will continue to monitor. 04/30/2021 - CAMHD Leadership time	1 '	NISK	Low	Closed	Leadership time dedicated to the project has returned	D Macaonad
		is being hampered by planning tasks and activities for assessing project	provided with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH. CAMHD Leadership currently spends 25% of their available time dedicated to this planning	key activities could be significantly hindered by the flood of activities that could occur as the department assesses expansion of this project to the balance of divisions.	opportunities to augment the management staffing for planning Phase 4 and M&O work.	Leadership time dedicated to the Project has returned to normal and expected levels. As such, IV&V is closing this finding. 05/31/2021 - As anticipated, CAMHD Leadership time spent on efforts outside of the Inspire Project reduced during May. This level of effort decreased to approximately 10% of available time in May, largely for the planning of the Max/Inspire divisional expansion effort. As such, IV&V is reducing the priority of this finding from Medium to Low and will continue to monitor. 04/30/2021 - CAMHD Leadership time spent on efforts outside of the INSPIRE	1 '	NISK	Low	Closed	Leadership time dedicated to the project has returned	D Macaonad
		is being hampered by planning tasks and activities for assessing project	provided with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH. CAMHD Leadership currently spends 25% of their available time dedicated to this planning	key activities could be significantly hindered by the flood of activities that could occur as the department assesses expansion of this project to the balance of divisions.	opportunities to augment the management staffing for planning Phase 4 and M&O work.	Leadership time dedicated to the Project has returned to normal and expected levels. As such, IV&V is closing this finding. 05/31/2021 - As anticipated, CAMHD Leadership time spent on efforts outside of the Inspire Project reduced during May. This level of effort decreased to approximately 10% of available time in May, largely for the planning of the Max/Inspire divisional expansion effort. As such, IV&V is reducing the priority of this fining from Medium to Low and will continue to monitor. 04/30/2021 - CAMHD Leadership time spent on efforts outside of the INSPIRE Project continued to increase during early	1 '	NISK	Low	Closed	Leadership time dedicated to the project has returned	D Macconad
		is being hampered by planning tasks and activities for assessing project	provided with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH. CAMHD Leadership currently spends 25% of their available time dedicated to this planning	key activities could be significantly hindered by the flood of activities that could occur as the department assesses expansion of this project to the balance of divisions.	opportunities to augment the management staffing for planning Phase 4 and M&O work.	Leadership time dedicated to the Project has returned to normal and expected levels. As such, IV&V is closing this finding. 05/31/2021 - As anticipated, CAMHD Leadership time spent on efforts outside of the Inspire Project reduced during May. This level of effort decreased to approximately 10% of available time in May, largely for the planning of the Max/Inspire divisional expansion effort. As such, IV&V is reducing the priority of this finding from Medium to Low and will continue to monitor. 04/30/2021 - CAMHD Leadership time spent on efforts outside of the INSPIRE Project continued to increase during early April but has decreased at the end of the	1 '	NISK	Low	Closed	Leadership time dedicated to the project has returned	D Macconad
		is being hampered by planning tasks and activities for assessing project	provided with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH. CAMHD Leadership currently spends 25% of their available time dedicated to this planning	key activities could be significantly hindered by the flood of activities that could occur as the department assesses expansion of this project to the balance of divisions.	opportunities to augment the management staffing for planning Phase 4 and M&O work.	Leadership time dedicated to the Project has returned to normal and expected levels. As such, IV&V is closing this finding. 05/31/2021 - As anticipated, CAMHD Leadership time spent on efforts outside of the Inspire Project reduced during May. This level of effort decreased to approximately 10% of available time in May, largely for the planning of the Max/Inspire divisional expansion effort. As such, IV&V is reducing the priority of this finding from Medium to Low and will continue to monitor. 04/30/2021 - CAMHD Leadership time spent on efforts outside of the INSPIRE Project continued to increase during early April but has decreased at the end of the month. Approximately 60-70% of	1 '	NISK	Low	Closed	Leadership time dedicated to the project has returned	D Macaonad
		is being hampered by planning tasks and activities for assessing project	provided with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH. CAMHD Leadership currently spends 25% of their available time dedicated to this planning	key activities could be significantly hindered by the flood of activities that could occur as the department assesses expansion of this project to the balance of divisions.	opportunities to augment the management staffing for planning Phase 4 and M&O work.	Leadership time dedicated to the Project has returned to normal and expected levels. As such, IV&V is closing this finding. 05/31/2021 - As anticipated, CAMHD Leadership time spent on efforts outside of the Inspire Project reduced during May. This level of effort decreased to approximately 10% of available time in May, largely for the planning of the Max/Inspire divisional expansion effort. As such, IV&V is reducing the priority of this finding from Medium to Low and will continue to monitor. 04/30/2021 - CAMHD Leadership time spent on efforts outside of the INSPIRE Project continued to increase during early April but has decreased at the end of the month. Approximately 60-70% of Leadership time was spent on Phase 4	1 '	NISK	Low	Closed	Leadership time dedicated to the project has returned	D Macaonad
		is being hampered by planning tasks and activities for assessing project	provided with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH. CAMHD Leadership currently spends 25% of their available time dedicated to this planning	key activities could be significantly hindered by the flood of activities that could occur as the department assesses expansion of this project to the balance of divisions.	opportunities to augment the management staffing for planning Phase 4 and M&O work.	Leadership time dedicated to the Project has returned to normal and expected levels. As such, IV&V is closing this finding. 05/31/2021 - As anticipated, CAMHD Leadership time spent on efforts outside of the Inspire Project reduced during May. This level of effort decreased to approximately 10% of available time in May, largely for the planning of the Max/Inspire divisional expansion effort. As such, IV&V is reducing the priority of this finding from Medium to Low and will continue to monitor. 04/30/2021 - CAMHD Leadership time spent on efforts outside of the INSPIRE Project continued to increase during early April but has decreased at the end of the month. Approximately 60-70% of Leadership time was spent on Phase 4 Planning, COVID Remediation, and the new	1 '	NISK	Low	Closed	Leadership time dedicated to the project has returned	Divided
		is being hampered by planning tasks and activities for assessing project	provided with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH. CAMHD Leadership currently spends 25% of their available time dedicated to this planning	key activities could be significantly hindered by the flood of activities that could occur as the department assesses expansion of this project to the balance of divisions.	opportunities to augment the management staffing for planning Phase 4 and M&O work.	Leadership time dedicated to the Project has returned to normal and expected levels. As such, IV&V is closing this finding. 05/31/2021 - As anticipated, CAMHD Leadership time spent on efforts outside of the Inspire Project reduced during May. This level of effort decreased to approximately 10% of available time in May, largely for the planning of the Max/Inspire divisional expansion effort. As such, IV&V is reducing the priority of this finding from Medium to Low and will continue to monitor. 04/30/2021 - CAMHD Leadership time spent on efforts outside of the INSPIRE Project continued to increase during early April but has decreased at the end of the month. Approximately 60-70% of Leadership time was spent on Phase 4 Planning, COVID Remediation, and the new Vaccine Registration application efforts.	1 '	NISK	Low	Closed	Leadership time dedicated to the project has returned	J. Macconiad
		is being hampered by planning tasks and activities for assessing project	provided with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH. CAMHD Leadership currently spends 25% of their available time dedicated to this planning	key activities could be significantly hindered by the flood of activities that could occur as the department assesses expansion of this project to the balance of divisions.	opportunities to augment the management staffing for planning Phase 4 and M&O work.	Leadership time dedicated to the Project has returned to normal and expected levels. As such, IV&V is closing this finding. 05/31/2021 - As anticipated, CAMHD Leadership time spent on efforts outside of the Inspire Project reduced during May. This level of effort decreased to approximately 10% of available time in May, largely for the planning of the Max/Inspire divisional expansion effort. As such, IV&V is reducing the priority of this finding from Medium to Low and will continue to monitor. 04/30/2021 - CAMHD Leadership time spent on efforts outside of the INSPIRE Project continued to increase during early April but has decreased at the end of the month. Approximately 60-70% of Leadership time was spent on Phase 4 Planning, COVID Remediation, and the new Vaccine Registration application efforts. The CAMHD level of effort is anticipated to	1 '	NISK	Low	Closed	Leadership time dedicated to the project has returned	Dividend
		is being hampered by planning tasks and activities for assessing project	provided with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH. CAMHD Leadership currently spends 25% of their available time dedicated to this planning	key activities could be significantly hindered by the flood of activities that could occur as the department assesses expansion of this project to the balance of divisions.	opportunities to augment the management staffing for planning Phase 4 and M&O work.	Leadership time dedicated to the Project has returned to normal and expected levels. As such, IV&V is closing this finding. 05/31/2021 - As anticipated, CAMHD Leadership time spent on efforts outside of the Inspire Project reduced during May. This level of effort decreased to approximately 10% of available time in May, largely for the planning of the Max/Inspire divisional expansion effort. As such, IV&V is reducing the priority of this finding from Medium to Low and will continue to monitor. 04/30/2021 - CAMHD Leadership time spent on efforts outside of the INSPIRE Project continued to increase during early April but has decreased at the end of the month. Approximately 60-70% of Leadership time was spent on Phase 4 Planning, COVID Remediation, and the new Vaccine Registration application efforts. The CAMHD level of effort is anticipated to decrease to approximately 20% in May as	1 '	NISK	Low	Closed	Leadership time dedicated to the project has returned	D Macaonad
		is being hampered by planning tasks and activities for assessing project	provided with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH. CAMHD Leadership currently spends 25% of their available time dedicated to this planning	key activities could be significantly hindered by the flood of activities that could occur as the department assesses expansion of this project to the balance of divisions.	opportunities to augment the management staffing for planning Phase 4 and M&O work.	Leadership time dedicated to the Project has returned to normal and expected levels. As such, IV&V is closing this finding. 05/31/2021 - As anticipated, CAMHD Leadership time spent on efforts outside of the Inspire Project reduced during May. This level of effort decreased to approximately 10% of available time in May, largely for the planning of the Max/Inspire divisional expansion effort. As such, IV&V is reducing the priority of this finding from Medium to Low and will continue to monitor. 04/30/2021 - CAMHD Leadership time spent on efforts outside of the INSPIRE Project continued to increase during early April but has decreased at the end of the month. Approximately 60-70% of Leadership time was spent on Phase 4 Planning, COVID Remediation, and the new Vaccine Registration application efforts. The CAMHD level of effort is anticipated to decrease to approximately 20% in May as DOH has hired a Project Manager in April	1 '	NISK	Low	Closed	Leadership time dedicated to the project has returned	Dividend
		is being hampered by planning tasks and activities for assessing project	provided with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH. CAMHD Leadership currently spends 25% of their available time dedicated to this planning	key activities could be significantly hindered by the flood of activities that could occur as the department assesses expansion of this project to the balance of divisions.	opportunities to augment the management staffing for planning Phase 4 and M&O work.	Leadership time dedicated to the Project has returned to normal and expected levels. As such, IV&V is closing this finding. 05/31/2021 - As anticipated, CAMHD Leadership time spent on efforts outside of the Inspire Project reduced during May. This level of effort decreased to approximately 10% of available time in May, largely for the planning of the Max/Inspire divisional expansion effort. As such, IV&V is reducing the priority of this finding from Medium to Low and will continue to monitor. 04/30/2021 - CAMHD Leadership time spent on efforts outside of the INSPIRE Project continued to increase during early April but has decreased at the end of the month. Approximately 60-70% of Leadership time was spent on Phase 4 Planning, COVID Remediation, and the new Vaccine Registration application efforts. The CAMHD level of effort is anticipated to decrease to approximately 20% in May as	1 '	NISK	Low	Closed	Leadership time dedicated to the project has returned	Divided

18.000	11/30/2020	Due to consistent technical issues	The IDM and Semantic		IV&V recommends the project to	08/31/2021 -The number of issues	Release/Deployme	Issue	Low	Closed	The volume	D Macdonald
10.000	11/30/2020	requiring escalation to Microsoft,	layer efforts have		continue to monitor the status of	requiring assistance from Microsoft	nt Planning	13300	LOW	Closed	of	Diviacuonalu
		some project efforts are being	experienced several		outstanding Microsoft tickets and to	continues to remain limited, and as such,					interactions	
		delayed.	delays attributable to		escalate the priority of these tickets as	IV&V is closing this finding.					needed with	
		delayea.	issues escalated to		deemed necessary.	07/31/2021 - While the number of issues					Microsoft	
			Microsoft. The issues		,	requiring assistance from Microsoft					remains low	
			have ranged from			remains limited, interactions with Microsoft					and	
			administrative /			are increasing again due to the interface					manageable.	
			communication (entering			functionality planned for implementation in					This	
			issues into the			the current and remaining DD&I releases.					condition is	
			Commercial support			The FHIR API interface has required					no longer	
			instance vs the			multiple interactions with Microsoft that					impeding	
			Government Cloud			have resulted in unplanned schedule					project	
			support instance), to			slippages for the FHIR API implementation.					progress.	
			several key technical			IV&V will continue to monitor this finding.						
			issues requiring			06/30/2021 - The number of issues						
			assistance to resolve. To			requiring assistance from Microsoft						
			date, these support needs			continues to be low with only two known						
			have added over a month			items open. As such, IV&V is reducing the						
			to the IDM and Semantic			priority of this finding to low and will						
			Layer project schedules.			continue to monitor.						
						05/31/2021 - There is only one open						
						Microsoft ticket affecting the attachment of						
						Claims to the Batch. As such, IV&V is						
						reducing the criticality of this finding from						
						High to Medium and will continue to						
						monitor.						
19.000	12/31/2020	Due to on-going deployment	There have been several	Repeatable documented release	Develop a plan to institutionalize the	09/30/2021 - R3.18 was promoted to	Release/Deployme	Issue	Medium	Open		D Macdonald
		processes and technical execution	defects pushed to	and deployment will help ensure	execution of "Smoke Testing" for	production on 9/26/2021 with a few post-	nt Planning					
		issues, the project may continue to	production with Phase 3	that mistakes are minimized, and	promotions to non-production and	production issues that are currently being						
		encounter defects and challenges in	releases. Some of the	that functionality is not mistakenly	production environments. This will help	reviewed. The Project Team is including						
		meeting projected timelines for		deprecated when deployments take	to ensure that all components needed	additional detail in the deployment scripts						
		production and non-production	production have been narrowed down to	place.	to test have been properly deployed prior to the actual execution of test	to ensure all requirements of the						
		deployments.	environmental		activities. Completed	deployment effort are identified and addressed. Based on the recent deployment						
			promotional activities. In		· ·	successes in releases R3.16 through R3.18,						
			these instances, the DEV		resources to support the current	IV&V is reducing the criticality of this						
			and TEST environments		1	finding to medium. IV&V notes that the						
			were not in sync with the		the support from RSM resources to	next release (R3.19) will be deployed as a						
			Were not in syne with the		the support from Noivi resources to	mext release (ns.15) will be deployed as a						
			production environment		provide assistance and knowledge	full solution upgrade, which includes a					1	
			production environment (missing business rules.		provide assistance and knowledge transfer for some of the more complex	full solution upgrade, which includes a compilation of all patch upgrades from						
			(missing business rules,		transfer for some of the more complex	compilation of all patch upgrades from						
1			(missing business rules, missing components,		transfer for some of the more complex deployment components. New	compilation of all patch upgrades from R3.15 through R3.19. IV&V will continue to						
			(missing business rules, missing components, missing dependencies,		transfer for some of the more complex deployment components. New Work in collaboration with RSM to	compilation of all patch upgrades from R3.15 through R3.19. IV&V will continue to monitor this finding.						
			(missing business rules, missing components,		transfer for some of the more complex deployment components. New	compilation of all patch upgrades from R3.15 through R3.19. IV&V will continue to						
			(missing business rules, missing components, missing dependencies, etc.). IVV is aware that		transfer for some of the more complex deployment components. New Work in collaboration with RSM to establish a plan for DOH to assume all	compilation of all patch upgrades from R3.15 through R3.19. IV&V will continue to monitor this finding. 08/31/2021 - Release 3.17 was promoted to						
			(missing business rules, missing components, missing dependencies, etc.). IVV is aware that DOH staff shadowed RSM		transfer for some of the more complex deployment components. New Work in collaboration with RSM to establish a plan for DOH to assume all deployment activities to ensure	compilation of all patch upgrades from R3.15 through R3.19. IV&V will continue to monitor this finding. 08/31/2021 - Release 3.17 was promoted to production on 8/15/2021 without any						
			(missing business rules, missing components, missing dependencies, etc.). IVV is aware that DOH staff shadowed RSM staff for all deployment		transfer for some of the more complex deployment components. New Work in collaboration with RSM to establish a plan for DOH to assume all deployment activities to ensure complete ownership of these processes.	compilation of all patch upgrades from R3.15 through R3.19. IV&V will continue to monitor this finding. 08/31/2021 - Release 3.17 was promoted to production on 8/15/2021 without any major defects or deployment issues.						
			(missing business rules, missing components, missing dependencies, etc.). IVV is aware that DOH staff shadowed RSM staff for all deployment releases during Phase 2		transfer for some of the more complex deployment components. New Work in collaboration with RSM to establish a plan for DOH to assume all deployment activities to ensure complete ownership of these processes. This should assist with consistency in	compilation of all patch upgrades from R3.15 through R3.19. IV&V will continue to monitor this finding. 08/31/2021 - Release 3.17 was promoted to production on 8/15/2021 without any major defects or deployment issues. Additional detail was included in the						
			(missing business rules, missing components, missing dependencies, etc.). IVV is aware that DOH staff shadowed RSM staff for all deployment releases during Phase 2 with RSM providing		transfer for some of the more complex deployment components. New Work in collaboration with RSM to establish a plan for DOH to assume all deployment activities to ensure complete ownership of these processes. This should assist with consistency in approach and execution going forward. As appropriate, consult with RSM on	compilation of all patch upgrades from R3.15 through R3.19. IV&V will continue to monitor this finding. 08/31/2021 - Release 3.17 was promoted to production on 8/15/2021 without any major defects or deployment issues. Additional detail was included in the deployment scripts to help ensure a team-						
			(missing business rules, missing components, missing dependencies, etc.). IVV is aware that DOH staff shadowed RSM staff for all deployment releases during Phase 2 with RSM providing instruction and DOH staff		transfer for some of the more complex deployment components. New Work in collaboration with RSM to establish a plan for DOH to assume all deployment activities to ensure complete ownership of these processes. This should assist with consistency in approach and execution going forward. As appropriate, consult with RSM on	compilation of all patch upgrades from R3.15 through R3.19. IV&V will continue to monitor this finding. 08/31/2021 - Release 3.17 was promoted to production on 8/15/2021 without any major defects or deployment issues. Additional detail was included in the deployment scripts to help ensure a teamwide understanding of the deployment						
			(missing business rules, missing components, missing dependencies, etc.). IVV is aware that DOH staff shadowed RSM staff for all deployment releases during Phase 2 with RSM providing instruction and DOH staff physically executing the		transfer for some of the more complex deployment components. New Work in collaboration with RSM to establish a plan for DOH to assume all deployment activities to ensure complete ownership of these processes. This should assist with consistency in approach and execution going forward. As appropriate, consult with RSM on best practices that BHA could employ to support deployment.	compilation of all patch upgrades from R3.15 through R3.19. IV&V will continue to monitor this finding. 08/31/2021 - Release 3.17 was promoted to production on 8/15/2021 without any major defects or deployment issues. Additional detail was included in the deployment scripts to help ensure a teamwide understanding of the deployment requirements for differing components.						
			(missing business rules, missing components, missing dependencies, etc.). IVV is aware that DOH staff shadowed RSM staff for all deployment releases during Phase 2 with RSM providing instruction and DOH staff physically executing the tasks and activities via		transfer for some of the more complex deployment components. New Work in collaboration with RSM to establish a plan for DOH to assume all deployment activities to ensure complete ownership of these processes. This should assist with consistency in approach and execution going forward. As appropriate, consult with RSM on best practices that BHA could employ to support deployment.	compilation of all patch upgrades from R3.15 through R3.19. IV&V will continue to monitor this finding. 08/31/2021 - Release 3.17 was promoted to production on 8/15/2021 without any major defects or deployment issues. Additional detail was included in the deployment scripts to help ensure a teamwide understanding of the deployment requirements for differing components. This is an evolving process that is showing						

20.000 3	3/28/2021	The pending RSM contract expiration	The RSM contract for	DOH needs to be in a position to	Work hand in hand with RSM to ensure	05/31/2021 - Per CAMHD, the RSM contract	Project	Concern		Closed	The RSM	Vic Dudoit
		will require BHA to perform	Phase 3 is currently	completely stand on its own	that DOH has the knowledge, skills, and	amendments to extend the DD&I effort	Management				amendments	
			planned to complete in	without the assistance of vendor		(Mod 5) to the end of December 2021 and					were fully	
		State prior to contract end.		support by fall of 2021. If DOH is	project prior to September 2021. If the	also provide M&O services (Mod 6) through					executed in	
			need a transition plan to	not in a position to solely take on	knowledge transfer takes more time	May 2022 were fully executed in May.					May 2021.	
			ensure that it has all	the development of user stories,	than planned, consider developing,	IV&V is closing this preliminary concern.						
			fully capable of managing	testing, regression testing, deployment, and the support and	testing, and promoting less releases in	04/30/2021 - The RSM contract amendment is still pending approval. This						
			all aspects of supporting	maintenance of the entire system,	of vendor support approaches.	amendment will extend the DD&I effort						
			and maintaining the D365	-	Vendor support approaches.	(Mod 5) to the end of December 2021 and						
			solution without vendor	stability may be challenged.		will also provide M&O services (Mod 6)						
			support until at least the	, , , , , , , , , , , , , , , , , , , ,		through May 2022. Mod 5 is expected to						
			Phase 4 expansion effort			be approved in May 2021. This will delay						
			is procured and initiated.			the near-term need for a Transition Plan						
			The Phase 4 effort is			until first quarter 2022. IV&V will continue						
			currently expected to			to monitor this finding.						
			commence late in the 4th									
			quarter of 2021, or early									
			in the first quarter of									
			2022. The Phase 4									
			procurement scope is									
			planned to include									
			additional DD&I activities, as well as M&O support									
			activities.									
			activities.									
21.000 4	4/30/2021	The DDD Project Manager will be on	The DDD Project Manager		1) IV&V recommends DDD to continue	08/31/2021 - The DDD Project Manager	Project	Issue	Medium	Closed	The DDD	Darren
		leave and unavailable to the project	performs most of the	to all daily project interactions	to look for opportunities to augment	returned from her absence, alleviating the	Management				Project	
					1.1		•					
		starting in May.	project duties on behalf	1 -	the existing technical staff in order to	DDD technical staff bandwidth/workload					Manager has	
1 1		Istarting in May.	of DDD and her absence	managerial perspective. If her	fully support current DDI project work.	challenges. IV&V is closing this finding.	-				Manager has returned	
		Istarting in May.	of DDD and her absence may cause an increased	managerial perspective. If her duties are not re-assigned to	fully support current DDI project work. 2) IV&V recommends DDD to consider	challenges. IV&V is closing this finding. 07/31/2021 - The DDD technical staff					Manager has returned from her	
		starting in May.	of DDD and her absence may cause an increased level of risk to the project.	managerial perspective. If her duties are not re-assigned to capable staff prior to her planned	fully support current DDI project work. 2) IV&V recommends DDD to consider augmenting their current PM/Business	challenges. IV&V is closing this finding. 07/31/2021 - The DDD technical staff continued to face bandwidth/workload	-				Manager has returned from her leave, fully	
		starting in May.	of DDD and her absence may cause an increased level of risk to the project. DDD has commenced	managerial perspective. If her duties are not re-assigned to capable staff prior to her planned absence, DDD will be in a	fully support current DDI project work. 2) IV&V recommends DDD to consider augmenting their current PM/Business staff in order to allow their technical	challenges. IV&V is closing this finding. 07/31/2021 - The DDD technical staff continued to face bandwidth/workload challenges during the month of July.	-				Manager has returned from her leave, fully mitigating	
		starting in May.	of DDD and her absence may cause an increased level of risk to the project. DDD has commenced planning efforts and has	managerial perspective. If her duties are not re-assigned to capable staff prior to her planned absence, DDD will be in a challenged position to effectively	fully support current DDI project work. 2) IV&V recommends DDD to consider augmenting their current PM/Business	challenges. IV&V is closing this finding. 07/31/2021 - The DDD technical staff continued to face bandwidth/workload challenges during the month of July. Fortunately, the DDD Project Manager is	-				Manager has returned from her leave, fully	
		starting in May.	of DDD and her absence may cause an increased level of risk to the project. DDD has commenced planning efforts and has assigned staff to backfill	managerial perspective. If her duties are not re-assigned to capable staff prior to her planned absence, DDD will be in a challenged position to effectively contribute to at least the next	fully support current DDI project work. 2) IV&V recommends DDD to consider augmenting their current PM/Business staff in order to allow their technical	challenges. IV&V is closing this finding. 07/31/2021 - The DDD technical staff continued to face bandwidth/workload challenges during the month of July. Fortunately, the DDD Project Manager is scheduled to return to work on 8/2/2021	-				Manager has returned from her leave, fully mitigating	
		starting in May.	of DDD and her absence may cause an increased level of risk to the project. DDD has commenced planning efforts and has	managerial perspective. If her duties are not re-assigned to capable staff prior to her planned absence, DDD will be in a challenged position to effectively	fully support current DDI project work. 2) IV&V recommends DDD to consider augmenting their current PM/Business staff in order to allow their technical	challenges. IV&V is closing this finding. 07/31/2021 - The DDD technical staff continued to face bandwidth/workload challenges during the month of July. Fortunately, the DDD Project Manager is	-				Manager has returned from her leave, fully mitigating	
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		starting in May.	of DDD and her absence may cause an increased level of risk to the project. DDD has commenced planning efforts and has assigned staff to backfill her, although they are currently assigned to other project tasks and activities. IV&V will continue to monitor this	managerial perspective. If her duties are not re-assigned to capable staff prior to her planned absence, DDD will be in a challenged position to effectively contribute to at least the next	fully support current DDI project work. 2) IV&V recommends DDD to consider augmenting their current PM/Business staff in order to allow their technical	challenges. IV&V is closing this finding. 07/31/2021 - The DDD technical staff continued to face bandwidth/workload challenges during the month of July. Fortunately, the DDD Project Manager is scheduled to return to work on 8/2/2021 allowing the technical staff to return fully to their technical responsibilities. 06/30/2021 - The absence of the DDD	-				Manager has returned from her leave, fully mitigating	
		starting in May.	of DDD and her absence may cause an increased level of risk to the project. DDD has commenced planning efforts and has assigned staff to backfill her, although they are currently assigned to other project tasks and activities. IV&V will	managerial perspective. If her duties are not re-assigned to capable staff prior to her planned absence, DDD will be in a challenged position to effectively contribute to at least the next	fully support current DDI project work. 2) IV&V recommends DDD to consider augmenting their current PM/Business staff in order to allow their technical	challenges. IV&V is closing this finding. 07/31/2021 - The DDD technical staff continued to face bandwidth/workload challenges during the month of July. Fortunately, the DDD Project Manager is scheduled to return to work on 8/2/2021 allowing the technical staff to return fully to their technical responsibilities. 06/30/2021 - The absence of the DDD Project Manager continues to cause bandwidth/workload challenges for DDD technical staff. Time available for typical	-				Manager has returned from her leave, fully mitigating	
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		starting in May.	of DDD and her absence may cause an increased level of risk to the project. DDD has commenced planning efforts and has assigned staff to backfill her, although they are currently assigned to other project tasks and activities. IV&V will continue to monitor this	managerial perspective. If her duties are not re-assigned to capable staff prior to her planned absence, DDD will be in a challenged position to effectively contribute to at least the next	fully support current DDI project work. 2) IV&V recommends DDD to consider augmenting their current PM/Business staff in order to allow their technical	challenges. IV&V is closing this finding. 07/31/2021 - The DDD technical staff continued to face bandwidth/workload challenges during the month of July. Fortunately, the DDD Project Manager is scheduled to return to work on 8/2/2021 allowing the technical staff to return fully to their technical responsibilities. 06/30/2021 - The absence of the DDD Project Manager continues to cause bandwidth/workload challenges for DDD technical staff. Time available for typical DDD CRM assignments was limited in June due to this resource constraint. IV&V has promoted this finding from a Preliminary Concern to a Medium criticality issue and will continue to monitor.					Manager has returned from her leave, fully mitigating	
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		starting in May.	of DDD and her absence may cause an increased level of risk to the project. DDD has commenced planning efforts and has assigned staff to backfill her, although they are currently assigned to other project tasks and activities. IV&V will continue to monitor this	managerial perspective. If her duties are not re-assigned to capable staff prior to her planned absence, DDD will be in a challenged position to effectively contribute to at least the next	fully support current DDI project work. 2) IV&V recommends DDD to consider augmenting their current PM/Business staff in order to allow their technical	challenges. IV&V is closing this finding. 07/31/2021 - The DDD technical staff continued to face bandwidth/workload challenges during the month of July. Fortunately, the DDD Project Manager is scheduled to return to work on 8/2/2021 allowing the technical staff to return fully to their technical responsibilities. 06/30/2021 - The absence of the DDD Project Manager continues to cause bandwidth/workload challenges for DDD technical staff. Time available for typical DDD CRM assignments was limited in June due to this resource constraint. IV&V has promoted this finding from a Preliminary Concern to a Medium criticality issue and will continue to monitor. 05/31/2021 - The highest priority tasks and activities typically accomplished by the DDD					Manager has returned from her leave, fully mitigating	
		starting in May.	of DDD and her absence may cause an increased level of risk to the project. DDD has commenced planning efforts and has assigned staff to backfill her, although they are currently assigned to other project tasks and activities. IV&V will continue to monitor this	managerial perspective. If her duties are not re-assigned to capable staff prior to her planned absence, DDD will be in a challenged position to effectively contribute to at least the next	fully support current DDI project work. 2) IV&V recommends DDD to consider augmenting their current PM/Business staff in order to allow their technical	challenges. IV&V is closing this finding. 07/31/2021 - The DDD technical staff continued to face bandwidth/workload challenges during the month of July. Fortunately, the DDD Project Manager is scheduled to return to work on 8/2/2021 allowing the technical staff to return fully to their technical responsibilities. 06/30/2021 - The absence of the DDD Project Manager continues to cause bandwidth/workload challenges for DDD technical staff. Time available for typical DDD CRM assignments was limited in June due to this resource constraint. IV&V has promoted this finding from a Preliminary Concern to a Medium criticality issue and will continue to monitor. 05/31/2021 - The highest priority tasks and					Manager has returned from her leave, fully mitigating	
		starting in May.	of DDD and her absence may cause an increased level of risk to the project. DDD has commenced planning efforts and has assigned staff to backfill her, although they are currently assigned to other project tasks and activities. IV&V will continue to monitor this	managerial perspective. If her duties are not re-assigned to capable staff prior to her planned absence, DDD will be in a challenged position to effectively contribute to at least the next	fully support current DDI project work. 2) IV&V recommends DDD to consider augmenting their current PM/Business staff in order to allow their technical	challenges. IV&V is closing this finding. 07/31/2021 - The DDD technical staff continued to face bandwidth/workload challenges during the month of July. Fortunately, the DDD Project Manager is scheduled to return to work on 8/2/2021 allowing the technical staff to return fully to their technical responsibilities. 06/30/2021 - The absence of the DDD Project Manager continues to cause bandwidth/workload challenges for DDD technical staff. Time available for typical DDD CRM assignments was limited in June due to this resource constraint. IV&V has promoted this finding from a Preliminary Concern to a Medium criticality issue and will continue to monitor. 05/31/2021 - The highest priority tasks and activities typically accomplished by the DDD Project Manager have been re-assigned to					Manager has returned from her leave, fully mitigating	
		starting in May.	of DDD and her absence may cause an increased level of risk to the project. DDD has commenced planning efforts and has assigned staff to backfill her, although they are currently assigned to other project tasks and activities. IV&V will continue to monitor this	managerial perspective. If her duties are not re-assigned to capable staff prior to her planned absence, DDD will be in a challenged position to effectively contribute to at least the next	fully support current DDI project work. 2) IV&V recommends DDD to consider augmenting their current PM/Business staff in order to allow their technical	challenges. IV&V is closing this finding. 07/31/2021 - The DDD technical staff continued to face bandwidth/workload challenges during the month of July. Fortunately, the DDD Project Manager is scheduled to return to work on 8/2/2021 allowing the technical staff to return fully to their technical responsibilities. 06/30/2021 - The absence of the DDD Project Manager continues to cause bandwidth/workload challenges for DDD technical staff. Time available for typical DDD CRM assignments was limited in June due to this resource constraint. IV&V has promoted this finding from a Preliminary Concern to a Medium criticality issue and will continue to monitor. 05/31/2021 - The highest priority tasks and activities typically accomplished by the DDD Project Manager have been re-assigned to other DDD staff. IV&V notes that this					Manager has returned from her leave, fully mitigating	

22.000 6/30/2021	Unplanned rework may have an impact on delivering DDI Functionality by the end of the DDI period.	The continued volume of unplanned rework may have an impact on delivering planned DDI functionality with only 4 possible DDI releases remaining for completion.	38% of al August an improved Project of expected to the arr production this prelia 08/31-20 Defect re of all USP August sa	D21 - Defect resolution remained at III delivered user story points during and September. While slightly dover previous months, the ontinues to see a higher-than-I volume of unplanned rework due mount of defect fixes released to on. IV&V will continue to monitor minary concern moving forward. D21 - Unplanned rework continues. Emediation constituted almost 45% Ps delivered in June and July. Sew slight improvement in this area, as were reduced to 38% of the total livered.	Preliminary Concern	D MacDonald
23.000 7/30/2021	The project schedules for 'big boulder' interface functionality development are slipping.	The FHIR interface and CAFAS interface are currently at risk of not making the planned R3.17 release. The Single Sign on components of the HHIE interface are also currently at risk of not making the planned R3.17 release, and the ADT/Labs components have already missed needed intermediate target dates for the planned R3.17 release. The Project will need to re-assess the planned implementation dates for these 'big boulder' interfaces, including identification of the timing needs by the business teams. At a minimum, the CAFAS and HHIE interfaces are needed by the program. IV&V also notes that	solution of R3.18, he complete enable the boulder's in Septen delays. We compone to produce in R3.18, Process in ADT/Labs Provider Improver R3.19. The currently interface with upd. 08/31/20 boulder in interactic CAFAS and Teams) e The HHIE	was deployed to production in overver HHIE still needs to ethe configuration on their side to his functionality to work. Other 'big schedule slippages were observed of the complete of the configuration on their side to his functionality to work. Other 'big schedule slippages were observed of the complete of the compl	Preliminary Concern	D MacDonald

24.000	7/31/2021	The current DDI period expires at the	The current Project		09/30/2021 - The Project continues	Preliminary		D MacDonald
		end of December 2021 which will	Staffing Model shows a		discussions for extending the DD&I effort	Concern		
		require BHA to perform transition of	planned reduction in RSM		while the previously planned slowdown of			
		the D365 solution to the State prior	resources support		DD&I work continues through the			
		to contract end.	starting in September		remainder of the 2021 calendar year. A new			
			2021 through December		IAPDU is being developed for submittal			
			2021. Prior to this		with a goal to obtain funding for technical			
			timeframe, BHA should		project resources through May 2023. IV&V			
			commence the		will continue to monitor.			
			development of a		08/31/2021 - The Project is in discussions			
			transition plan to ensure		to potentially extend the DD&I effort, while			
			the appropriate		the previously planned slowdown of efforts			
			replacement State		will continue through the balance of the			
			resources are		2021 calendar year. IV&V will continue to			
			identified/secured and		monitor.			
			the necessary knowledge					
			transfer sessions are					
			planned and executed					
			with RSM. BHA will need					
			to be sure they are ready					
			to take on the					
			development of user					
			stories, testing,					
			deployment, and the					
			support and maintenance					
			of the entire system by					
			the end of the DDI period					