

OFFICE OF ENTERPRISE TECHNOLOGY SERVICES

P.O. BOX 119, HONOLULU, HAWAI'I 96810-0119 Ph: (808) 586-6000 | Fax: (808) 586-1922 ETS.HAWAII.GOV

August 11, 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

June 1 – June 30, 2021

Final submitted: July 9, 2021



Agenda

Executive Summary

IV&V Findings & Recommendations

Appendices

- A Rating Scales
- B Inputs
- C Project Trends





Executive Summary

Resource constraints continued to put the Project at risk during this reporting period. Concerns that continue to result from the Project's DOH staffing resource constraints include:

- Corrective actions for the top five R3.12 and R3.15 Root Cause Analyses (RCA) were partially implemented as planned. The Project plans to review the RCAs in further detail in July.
- The Release 3.15 priority defects identified for a potential June Mid-Sprint Deployment (MSD) were pushed into the regular planned Release 3.16 in July.
- Impactful system defects that are the outcome of multiple quality concerns.

All of the IV&V risks have materialized into issues. IV&V will continue to monitor the high critical findings for sprint planning, release deployment, test practice validation, regression testing, and overall quality. We encourage the Project to continue implementing recommendations to mitigate risk and avoid the reoccurrence of issues in upcoming releases.

Apr	May	Jun	Category	IV&V Observations
Sprint needs is not adequate, which compromises project projec		The bandwidth of skilled BHA MS Dynamics resources to support the Project's technical needs is not adequate, which compromises project productivity and quality. The DOH team continues to be constrained by the staff shortages. The rating for this category remains Red (high) for the June 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 June reporting period. IV&V will continue to monitor the US development and validation process in upcoming reporting periods.
R	Test Practice Validation The Project Team is repeating regression testing including June MSD components for R3.16 release in July. BHA has attended a number of regression testing tool (EasyResions) sessions conducted by Microsoft to evaluate the effort required to support and maintain the tool. The rating for this category remains Red (high) for the June reporting period			



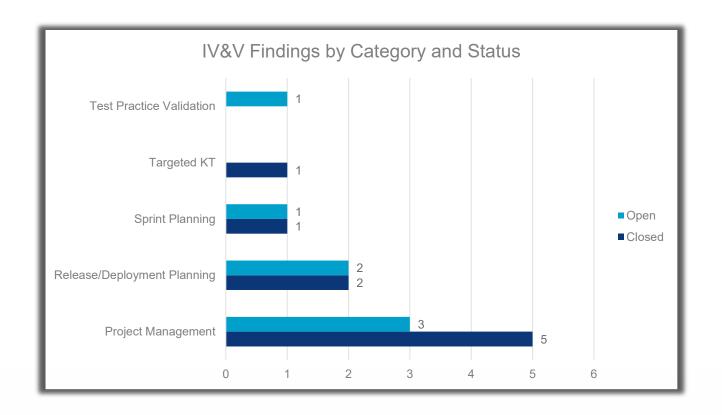
Executive Summary

Apr	May	Jun	Category	IV&V Observations
R	R	R	Release / Deployment Planning	The majority of the R3.15 post-production issues in May were attributed to deployment processes and technical execution. RCA corrective actions to help improve release/deployments were partially implemented in June. The criticality rating for this category remains Red (high) for the June reporting period.
G	G	G	OJT and KT Sessions	The criticality rating for the OJT and KT Sessions category remains Green (low) for the May 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 May reporting period. IV&V will continue to monitor this category moving forward.
G	G	G	Project Performance Metrics	The Project plans on implementing 120 User Story Points for R3.16 which is planned for release in early July. 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 will be planned for late August or early September 2021. The criticality rating for the Organization Maturity Assessment (OMA) category remains Green (low).
Y	R	R	Project Management	Quality issues continue to be a concern for IV&V in June. A planned portion of RCA action plans were implemented in June. Staff resource constraints continue to have an impact on fully executing essential R3.12 and R3.15 RCA action plans which are viewed as a cause for on-going quality issues. The criticality rating for this category remains Red (high) for the June reporting period.



Executive Summary

As of the June 2021 reporting period, there are a total of seven open findings – four High Issues, two Medium Issues, and one Low Issue 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. There were no substantive changes observed in June as hiring within the State continues to be a challenge. The bandwidth of BHA senior technical staff trained in the Dynamics environment continues to be inadequate in meeting the demands of the Project. This finding will remain as a high priority issue until resolved by BHA.	(1)
Recor	nmendations	Status
	Project should investigate mechanisms of increasing the bandwidth of the BHA Technical Team, either by ing resources through new hires, or vendor contracts.	In progress
	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
	Project should consider the formation of a first level M&O resource team to triage/address production ects in a timely manner, without disrupting new development work.	In progress
	Project should consider procurement of an online training toolset to support OCM and technical efforts to et the need for in-person training.	Completed



Test Practice Validation

#	Key Findings	Criticality Rating
	High Issue – As a result of regression testing not being consistently performed, production releases are breaking and/or deprecating existing functionality in the production environment. Manual regression testing for DDD and CAMHD was completed for the planned Mid Sprint Deployment	
2	(MSD) of defects resulting from R3.15 in early June. The project team subsequently decided to forgo the MSD and instead implement the associated MSD changes into the R3.16 production release. This action will require regression testing to be performed again for the MSD changes in R3.16.	A
	BHA attended several regression testing tool (EasyRepro) sessions conducted by Microsoft during the month of June. BHA is concerned with the amount of overhead required to setup and maintain the tool with current staffing limitations. BHA will continue to evaluate/analyze the tool to determine the associated efforts required to support and maintain the tool.	

F	Recommendations	Status
•	IV&V recommends DDD and CAMHD to develop a common and consistent approach across divisions for performing regression testing.	In Progress
•	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



Test Practice Validation (cont'd)

Recommendations	Status
IV&V recommends performing an RCA in collaboration with RSM for the continued concerns with regression testing efforts.	In Progress
 Determine if current regression testing timeframes are adequate and if not, add more time to the pre- production regression test efforts for all release deployments. 	In Progress
Updating the regression test scripts to ensure consistency with system configuration.	Completed
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



Test Practice Validation (cont'd)

Recommendations	Status
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



Release / Deployment Planning

#	Key Findings	Criticality Rating
19	High 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. The majority of the R3.15 post-production issues in May were attributed to deployment processes and technical execution. The planned MSD to remedy the high priority R3.15 defects in June was not deployed to production but instead will be deployed in the R3.16 release.	(1)
	Due to resource constraints, a planned portion of the deployment-related corrective actions from the R3.12 and R3.15 RCA's have been implemented . IV&V looks to see the team implement further recommendations in the next releases.	

Recommendations		
 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. 	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
 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



Release / Deployment Planning (cont'd)

Recommendations	Status
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)

#	Key Findings	Criticality Rating
18	Change from Medium Issue to Low Issue - Due to consistent technical issues requiring escalation to Microsoft (MS), some project efforts are being delayed. The number of issues requiring assistance from Microsoft continues to be low with only two known items open. As such, IV&V is reducing the priority of this finding to low and will continue to monitor.	•

Recommendations	Status
 IV&V recommends the project to continue to monitor the status of outstanding Microsoft tickets and to escalate the priority of these tickets as deemed necessary. 	In Progress



#	Key Findings	
15	High Issue - Due to multiple quality concerns, the Project may continue to face impactful system defects. A Mid Sprint Deployment (MSD) was identified for June to remedy defects caused by R3.15. This was deferred to the July R3.16 regular release after planned regression testing was executed. Quality issues continue to remain a concern for IV&V. Due to resource constraints, the Project has adopted a measured pace to implement corrective actions from the R3.12 and R3.15 RCAs. The Project plans to review these RCAs and associated action items in further detail in July. IV&V will continue to monitor this high issue in July.	H
Recon	nmendations	Status
Dedicate sufficient time in between releases for BHA and RSM to execute/implement RCA correction actions to reduce the volume of unplanned rework.		In Progress
Evaluate existing project staff skills and experience level to ensure they meet BHA support requirements.		
• Peri	Perform revenue neutrality fiscal balance testing on a quarterly basis to ensure revenues are as expected.	
 Perform typical project testing including System Integration, User Acceptance, Performance, and Regression Testing. 		In Progress
Assign dedicated resources to provide oversight of CAMHD Fiscal Processes.		In Progress

Recommendations	Status
Monitor implemented improvements for effectiveness.	In Progress
 IV&V recommends performing an RCA in collaboration with RSM after all future release deployments for continual quality improvement. 	In Progress
BHA and RSM to collaborate on the necessary revisions to the submitted design deliverables to increase level of detail and quality.	Completed

#	Key Findings	
Medium Issue – PII/PHI data in non-production environments. BHA has coordinated with the DHS/MedQuest Division to evaluate the use of their Delphix data masking tool to address the PII/PHI data in non-production environments. Additional meetings and collaboration are planned in July. IV&V will continue to monitor this 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
17	Closed Low Risk - The bandwidth of CAMHD Leadership is being hampered by planning tasks and activities for assessing project expansion to other divisions. As anticipated, the CAMHD Leadership time dedicated to the Project has returned to normal and expected levels. As such, IV&V is closing this finding.	Closed

Recommendations	Status
 IV&V recommends CAMHD look for opportunities to augment the management staffing for planning Phase 4 and M&O work. 	Closed



#	Key Findings	Criticality Rating
21	Change from Preliminary Concern to Medium Issue – The DDD Project Manager will be on leave and unavailable to the project starting in May. 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.	M

Recommendations	Status
 IV&V recommends DDD to continue to look for opportunities to augment the existing technical staff in order to fully support current DDI project work. 	New
 IV&V recommends DDD to consider augmenting their current PM/Business staff in order to allow their technical staff to focus on technical duties. 	New

#	# Key Findings	
22	New Preliminary Concern – 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.	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 	June – No regular promotions to production were planned in June. Available velocity was estimated at 114 user story points for R3.16, and a total of 120 USPs are planned for production release in early July. IV&V notes that this release will include originally planned user stories, planned user stories specific to the HSRI interface, and the resolved defects from R3.15 deferred to the R3.16 scheduled release. IV&V notes that RSM includes USP counts from Mid Sprint Deployments prior to a planned release as component of the planned release. IV&V notes that the issues identified for a Mid Sprint Release in June were deferred to the scheduled R3.16 release. Overall, the cumulative Phase 3 targeted USP's	N/A
		through R3.15 was planned for 1,332. The cumulative USP total (including R3.16 planned in early July) is 1,688.3. This exceeds expectations for volume of work product on the schedule.	



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 	 June – R3.16 is planned for release in early July and 120 USPs are planned for production promotion. 62% of the total USPs are associated with planned user stories and requests. 38% of the total USPs are associated with defects either encountered during the release or pulled from the backlog. 	N/A

Organizational Maturity Assessment

Measure IV&V Observations

The Organizational Maturity Assessment (OMA) is updated on a bi-monthly basis. The next OMA will be planned for late August or early September 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.

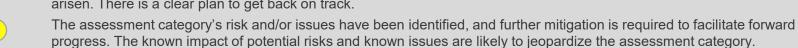
- See Findings and Recommendations Log (provided under separate cover)
- IV&V Assessment Category Rating Definitions

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.



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

Appendix B

Inputs

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

Meetings attended during the June 2021 reporting period:

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

Eclipse IV&V® Base Standards and Checklists

Artifacts reviewed during the June 2021 reporting period:

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





Appendix C: Project Trends

Appendix C Project Trends

Trend:	Overall	Projec	t Health	1						
Process Area					2020	-2021				
Process Area	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
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										
		i				i .		·		
Total Open Findings	7	7	10	11	11	10	11	8	8	8
Issue - high	0	0	0	0	0	4	4	4	4	4
Issue - medium	1	2	2	4	4	0	0	0	2	2
Issue - low	0	0	0	0	0	0	0	0	0	1
Risk - high	0	0	0	0	0	0	0	0	0	0
Risk - medium	3	3	3	2	2	2	2	4	0	0
Risk - low	0	0	0	3	3	4	4	0	1	0
Preliminary Concern	3	3	5	2	2	0	1	0	1	1





Solutions that Matter

ID No	Identified Date	Title	Observation	Significance	Recommendation	Updates	Process Area	Finding Type	Priority	Status	Closure Reason	Iteration	Risk Owner
1.000	12/31/2019	Detailed investigation into the	IV&V is currently	While having a high level roadmap is	As much as possible, the project should	01/31/2020 - IV&V is closing this concern,	Sprint Planning	Concern	N/A	Closed	Due to multiple	General	V Ramesh
		project's sprint planning processes	investigating the following	good, the project should be able to	identify what feature enhancements will	and will be tracking items related to					new items being		
		and adoption of generally	topics as they relate to	identify what feature enhancements	be targeted for each Release and should	Definition of Done, roadmap, resourcing, and					tracked at a		
		accepted agile best practices.	Sprint Planning and the	will be targeted for each planned	clearly map out the roadmap out through	backlog grooming in new, separate findings.					more granular		
			project's overall approach to	release. This roadmap will help the	the last Phase 3 release in September						level, this item		
			agile software development:	project manage scope and	2020.						has been closed.		
			- IV&V acknowledges that	productivity. Relatedly, the	Additionally, the project should clearly								
			the project is now planning	"definition done" is an important	define "Done" to ensure the project team								
			three sprints outs, however,	artifact to ensure that the project is	is working towards the same goal and								
			it appears that only a "high-	successful. Otherwise, the project	increase opportunities for success. Having								
			level" sprint planning	will struggle to prioritize	a clear "definition of done" will help								
			roadmap has been	-	provide the project with guidance on how								
			produced, and it is unclear	scope.	to stay within scope.								
			exactly how the project is										
			targeting features for each										
			release through the end of Mod 4.										
			- IV&V is not aware of how										
			the project is currently										
			defining "done" for Mod 3										
			and Mod 4										
			Additionally, in the January										
			2020 reporting period, IV&V										
			will seek additional										
			information and visibility										
			into the project's processes										
			specific to prioritizing										
2.000	12/31/2019	As a result of regression testing	R3.3 introduced a defect	Thorough vetting and validation of		06/30/2021 - Manual regression testing for	Test Practice	Issue	High	Open		General	D
		not being consistently performed,	that deprecated features in	regression test cases is necessary to	should continue to pursue and/or	DDD and CAMHD was completed for the	Validation						Macdonald
		production releases are both	production specific to	prevent both defects and the	consider:	planned Mid Sprint Deployment (MSD) of							
		breaking and deprecating existing	Integrated Support and Life	deprecation of production	' ' ' ' '	defects resulting from R3.15 in early June.							
		functionality in the production	Trajectory functionality.	functionality when a release is	ensure consistency with system	The project team subsequently decided to							
		environment.	there are other examples of	pushed live. When defects occur in	configuration - Completed	forgo the MSD and instead implement the							
			functionality being	production, the project should follow a defined and repeatable process for	Modifying release schedules to allow for regression testing timeframes -	associated MSD changes into the R3.16 production release. This action will require							
			deprecated after a release,	determining the root cause of the	Completed	regression testing to be performed again for							
			some of which are still being		3. Grouping releases by functionality type	the MSD changes in R3.16.							
			investigated. As of this	prosie	to avoid unnecessary repetitive work	BHA attended several regression testing tool							
			report, IV&V has not		being performed in any given section of	(EasyRepro) sessions conducted by Microsoft							
			evaluated the project's root		the solution - Completed	during the month of June. BHA is concerned							
			cause analysis (RCA) process		4. Performing regression testing after	with the amount of overhead required to							
			used to determine why such		every release, or possibly every other	setup and maintain the tool with current		1					
			functionality was		release, or potentially tying regression	staffing limitations. BHA will continue to		1					
			deprecated but will discuss		tests to full solution upgrade releases. In	evaluate/analyze the tool to determine the							
			further with BHA in January		addition, consider alternating the DDD	associated efforts required to support and		1					
			2020.		and CAMHD scripts every other release -	maintain the tool.							
					Completed	05/31/2021 - Pre-Production testing efforts							
					5. Modifying regression test scripts to	are not meeting the needs of the project.							
					start AFTER case creation, limiting the	While DDD continues to perform a full end-to-	1	1					
					time it takes to execute - Completed	end regression test, CAMHD is performing							
					6. Modifying the deployment scripts	component testing due to self-imposed time		1					
					based on information gained from	constraints.		1					
					previous release deployments -	On 5/20/21, the project promoted R3.15 to		1					
					Completed	production. Although three high priority post-							

3.000	12/31/2019	Usage of open source JavaScript	IV&V learned in December	Open source tools and frameworks	IV&V recommends BHA work to establish	08/31/2020 - IV&V is unaware of any	Targeted KT	Risk	Low	Closed	RSM has	General	ln l
3.000	12/31/2019	framework for development and	2019 that the Calculator 3.0	offer organizations great	a reliable and repeatable process for	additional KT gaps being identified by DOH,	raigeteu Ki	Misk	LUW	Cioseu	successfully held	General	Macdonald
		ongoing maintenance of Calculator		opportunities to build and configure	keeping abreast of communal updates	and as such, is closing this finding.					several KT		iviacuonalu
		3.0 requires BHA to take a	Vue.JS, an open source	customized solutions at lower costs	and support opportunities for a new suite	and the state of t					sessions for this		
		proactive approach to support and	· ·	than through software purchase or	of tools - Completed	07/31/2020 - The Project resolved the					technology and		
		security.	this framework is relatively	licensing. However, open source	IV&V recommends BHA continue to hold	majority of the outstanding Calculator 3.0					functionality,		
		, ,	new, the open source	tools and frameworks often do not	targeted KT sessions with RSM on	defects during July which was implemented in					and DOH staff		
			support community is small.	come with support models, other	maintaining Calculator 3.0 via a suite of	the mid-sprint release on 7/17/2020. The					have stated that		
			IV&V's concerns include:	than those offered through the tool's	tools, and determine what additional	final Calculator 3.0 Knowledge Transfer					it was well		
			- The availability of reliable	community. Because of this, the	skillsets, training, and/or resources are	session was conducted on 7/17/2020. IV&V					received.		
			support for Vue.JS	organization bears the weight of	needed to support BHA's long-term	recommends BHA to identify and							
			- The project's	seeking out reliable help and	ownership of Calculator 3.0 - Completed	communicate any additional KT gaps to RSM							
			understanding of any known	support, as well as much take a		during the month of August. If no additional							
			vulnerabilities with Vue.JS,	proactive approach to security and		needs are identified, IV&V will close this							
			and development of a	identifying any vulnerabilities in the		finding.							
			process to remain current	tools.		06/30/2020 - The project continued to focus							
			on vulnerabilities discovered			attention on the Calculator 3.0 defects during							
			by the support community.			the month of June. RSM conducted another							
			- The RSM lead for			Calculator 3.0 Knowledge Transfer session on							
			Calculator 3.0 went on			6/26/2020 and scheduled a final session for							
			extended parental leave in			7/17/2020.							
			December 2019			05/24/2020 The market continued to female							
			IV&V acknowledges that			05/31/2020 - The project continued to focus							
			BHA has downloaded Vue.JS			attention on the Calculator 3.0 user stories							
			to start getting familiar with			and defects during the month of May. RSM							
			IL.			conducted another Calculator 3.0 Knowledge							
5 000	1/21/2020	Due to the project not following a	There have been several	A complete up to date and	IVA/ recommends desumenting	Transfer session on 5/29/2020 which IV&V	Polosco/Doploym	Issue	Modium	Clased	You finding has	Conoral	D
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/Deploym	Issue	Medium	Closed	Key finding has	General	D Macdonald
5.000	1/31/2020	detailed deployment script, the	defects pushed to	documented deployment script is	deployment scripts for both the patch	12/31/2020 - IV&V has closed this issue as the related recommendations below has been		Issue	Medium	Closed	been addressed	1	D Macdonald
5.000	1/31/2020	detailed deployment script, the project may continue to	defects pushed to production with Phase 3	documented deployment script is needed to ensure the repeatability	deployment scripts for both the patch method and the full solution upgrade	12/31/2020 - IV&V has closed this issue as the related recommendations below has been completed. A subsequent medium issue		Issue	Medium	Closed	been addressed and proposed	1	D Macdonald
5.000	1/31/2020	detailed deployment script, the project may continue to experience defects related to	defects pushed to production with Phase 3 releases. Some of the	documented deployment script is needed to ensure the repeatability and stability of DOH's production	deployment scripts for both the patch method and the full solution upgrade method. The script(s) should be in the	12/31/2020 - IV&V has closed this issue as the related recommendations below has been completed. A subsequent medium issue finding (#19) has been opened to address		Issue	Medium	Closed	been addressed and proposed IV&V	1	D Macdonald
5.000	1/31/2020	detailed deployment script, the project may continue to	defects pushed to production with Phase 3 releases. Some of the defects introduced to	documented deployment script is needed to ensure the repeatability and stability of DOH's production deployments. Since there are	deployment scripts for both the patch method and the full solution upgrade method. The script(s) should be in the form of a step-by-step procedure that	12/31/2020 - IV&V has closed this issue as the related recommendations below has been completed. A subsequent medium issue finding (#19) has been opened to address ongoing deployment processes and technical		Issue	Medium	Closed	been addressed and proposed IV&V recommendatio	1	D Macdonald
5.000	1/31/2020	detailed deployment script, the project may continue to experience defects related to	defects pushed to production with Phase 3 releases. Some of the defects introduced to production have been	documented deployment script is needed to ensure the repeatability and stability of DOH's production deployments. Since there are currently two deployment types	deployment scripts for both the patch method and the full solution upgrade method. The script(s) should be in the form of a step-by-step procedure that walks through from start to finish of the	12/31/2020 - IV&V has closed this issue as the related recommendations below has been completed. A subsequent medium issue finding (#19) has been opened to address ongoing deployment processes and technical execution issues.		Issue	Medium	Closed	been addressed and proposed IV&V recommendatio ns have been	1	D Macdonald
5.000	1/31/2020	detailed deployment script, the project may continue to experience defects related to	defects pushed to production with Phase 3 releases. Some of the defects introduced to	documented deployment script is needed to ensure the repeatability and stability of DOH's production deployments. Since there are	deployment scripts for both the patch method and the full solution upgrade method. The script(s) should be in the form of a step-by-step procedure that	12/31/2020 - IV&V has closed this issue as the related recommendations below has been completed. A subsequent medium issue finding (#19) has been opened to address ongoing deployment processes and technical		Issue	Medium	Closed	been addressed and proposed IV&V recommendatio	1	D Macdonald
5.000	1/31/2020	detailed deployment script, the project may continue to experience defects related to	defects pushed to production with Phase 3 releases. Some of the defects introduced to production have been narrowed down to	documented deployment script is needed to ensure the repeatability and stability of DOH's production deployments. Since there are currently two deployment types (patches and full solution upgrades),	deployment scripts for both the patch method and the full solution upgrade method. The script(s) should be in the form of a step-by-step procedure that walks through from start to finish of the deployment process and involve several	12/31/2020 - IV&V has closed this issue as the related recommendations below has been completed. A subsequent medium issue finding (#19) has been opened to address ongoing deployment processes and technical execution issues. 11/30/2020 - Release 3.10 was promoted to		Issue	Medium	Closed	been addressed and proposed IV&V recommendatio ns have been completed. A	1	D Macdonald
5.000	1/31/2020	detailed deployment script, the project may continue to experience defects related to	defects pushed to production with Phase 3 releases. Some of the defects introduced to production have been narrowed down to environmental promotional	documented deployment script is needed to ensure the repeatability and stability of DOH's production deployments. Since there are currently two deployment types (patches and full solution upgrades), two scripts may be warranted. An	deployment scripts for both the patch method and the full solution upgrade method. The script(s) should be in the form of a step-by-step procedure that walks through from start to finish of the deployment process and involve several technical staff to ensure staff availability	12/31/2020 - IV&V has closed this issue as the related recommendations below has been completed. A subsequent medium issue finding (#19) has been opened to address ongoing deployment processes and technical execution issues. 11/30/2020 - Release 3.10 was promoted to production on 11/11/2020. Approximately		Issue	Medium	Closed	been addressed and proposed IV&V recommendatio ns have been completed. A subsequent	1	D Macdonald
5.000	1/31/2020	detailed deployment script, the project may continue to experience defects related to	defects pushed to production with Phase 3 releases. Some of the defects introduced to production have been narrowed down to environmental promotional activities. In these instances,	documented deployment script is needed to ensure the repeatability and stability of DOH's production deployments. Since there are currently two deployment types (patches and full solution upgrades), two scripts may be warranted. An embedded process and documented	deployment scripts for both the patch method and the full solution upgrade method. The script(s) should be in the form of a step-by-step procedure that walks through from start to finish of the deployment process and involve several technical staff to ensure staff availability to accomplish these tasks when primary deployment personnel are unavailable.	12/31/2020 - IV&V has closed this issue as the related recommendations below has been completed. A subsequent medium issue finding (#19) has been opened to address ongoing deployment processes and technical execution issues. 11/30/2020 - Release 3.10 was promoted to production on 11/11/2020. Approximately nine (9) new defects were identified after the		Issue	Medium	Closed	been addressed and proposed IV&V recommendatio ns have been completed. A subsequent finding #19 has	1	D Macdonald
5.000	1/31/2020	detailed deployment script, the project may continue to experience defects related to	defects pushed to production with Phase 3 releases. Some of the defects introduced to production have been narrowed down to environmental promotional activities. In these instances, the DEV and TEST	documented deployment script is needed to ensure the repeatability and stability of DOH's production deployments. Since there are currently two deployment types (patches and full solution upgrades), two scripts may be warranted. An embedded process and documented script will help ensure that mistakes	deployment scripts for both the patch method and the full solution upgrade method. The script(s) should be in the form of a step-by-step procedure that walks through from start to finish of the deployment process and involve several technical staff to ensure staff availability to accomplish these tasks when primary deployment personnel are unavailable.	12/31/2020 - IV&V has closed this issue as the related recommendations below has been completed. A subsequent medium issue finding (#19) has been opened to address ongoing deployment processes and technical execution issues. 11/30/2020 - Release 3.10 was promoted to production on 11/11/2020. Approximately nine (9) new defects were identified after the deployment. Root causes are suspected to be		Issue	Medium	Closed	been addressed and proposed IV&V recommendatio ns have been completed. A subsequent finding #19 has been created to	1	D Macdonald
5.000	1/31/2020	detailed deployment script, the project may continue to experience defects related to	defects pushed to production with Phase 3 releases. Some of the defects introduced to production have been narrowed down to environmental promotional activities. In these instances, the DEV and TEST environments were not in	documented deployment script is needed to ensure the repeatability and stability of DOH's production deployments. Since there are currently two deployment types (patches and full solution upgrades), two scripts may be warranted. An embedded process and documented script will help ensure that mistakes are minimized, and that functionality	deployment scripts for both the patch method and the full solution upgrade method. The script(s) should be in the form of a step-by-step procedure that walks through from start to finish of the deployment process and involve several 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	12/31/2020 - IV&V has closed this issue as the related recommendations below has been completed. A subsequent medium issue finding (#19) has been opened to address ongoing deployment processes and technical execution issues. 11/30/2020 - Release 3.10 was promoted 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		Issue	Medium	Closed	been addressed and proposed IV&V recommendatio ns have been completed. A subsequent finding #19 has been created to address on-	1	D Macdonald
5.000	1/31/2020	detailed deployment script, the project may continue to experience defects related to	defects pushed to production with Phase 3 releases. Some of the defects introduced to production have been narrowed down to environmental promotional activities. In these instances, the DEV and TEST environments were not in sync with the production	documented deployment script is needed to ensure the repeatability and stability of DOH's production deployments. Since there are currently two deployment types (patches and full solution 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	deployment scripts for both the patch method and the full solution upgrade method. The script(s) should be in the form of a step-by-step procedure that walks through from start to finish of the deployment process and involve several 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	12/31/2020 - IV&V has closed this issue as the related recommendations below has been completed. A subsequent medium issue finding (#19) has been opened to address ongoing deployment processes and technical execution issues. 11/30/2020 - Release 3.10 was promoted 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		Issue	Medium	Closed	been addressed and proposed IV&V recommendatio ns have been completed. A subsequent finding #19 has been created to address on- going	1	D Macdonald
5.000	1/31/2020	detailed deployment script, the project may continue to experience defects related to	defects pushed to production with Phase 3 releases. Some of the defects introduced to production have been narrowed down to 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	documented deployment script is needed to ensure the repeatability and stability of DOH's production deployments. Since there are currently two deployment types (patches and full solution 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	deployment scripts for both the patch method and the full solution upgrade method. The script(s) should be in the form of a step-by-step procedure that walks through from start to finish of the deployment process and involve several 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 cleaner and more repeatable set of deployment	12/31/2020 - IV&V has closed this issue as the related recommendations below has been completed. A subsequent medium issue finding (#19) has been opened to address ongoing deployment processes and technical execution issues. 11/30/2020 - Release 3.10 was promoted 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 task required as part of the implementation was not included in the deployment, resulting in		Issue	Medium	Closed	been addressed and proposed IV&V recommendatio ns have been completed. A subsequent finding #19 has been created to address on- going deployment processes and technical	1	D Macdonald
5.000	1/31/2020	detailed deployment script, the project may continue to experience defects related to	defects pushed to production with Phase 3 releases. Some of the defects introduced to production have been narrowed down to 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, etc.). IVV is	documented deployment script is needed to ensure the repeatability and stability of DOH's production deployments. Since there are currently two deployment types (patches and full solution 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	deployment scripts for both the patch method and the full solution upgrade method. The script(s) should be in the form of a step-by-step procedure that walks through from start to finish of the deployment process and involve several 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 cleaner	12/31/2020 - IV&V has closed this issue as the related recommendations below has been completed. A subsequent medium issue finding (#19) has been opened to address ongoing deployment processes and technical execution issues. 11/30/2020 - Release 3.10 was promoted 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 task required as part of the implementation was		Issue	Medium	Closed	been addressed and proposed IV&V recommendations have been completed. A subsequent finding #19 has been created to address ongoing deployment processes and technical execution	1	D Macdonald
5.000	1/31/2020	detailed deployment script, the project may continue to experience defects related to	defects pushed to production with Phase 3 releases. Some of the defects introduced to production have been narrowed down to 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, etc.). IVV is aware that DOH staff	documented deployment script is needed to ensure the repeatability and stability of DOH's production deployments. Since there are currently two deployment types (patches and full solution 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	deployment scripts for both the patch method and the full solution upgrade method. The script(s) should be in the form of a step-by-step procedure that walks through from start to finish of the deployment process and involve several 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 cleaner and more repeatable set of deployment	12/31/2020 - IV&V has closed this issue as the related recommendations below has been completed. A subsequent medium issue finding (#19) has been opened to address ongoing deployment processes and technical execution issues. 11/30/2020 - Release 3.10 was promoted 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 task required as part of the implementation was not included in the deployment, resulting in contacts being deprecated from the Circle of Support in Inspire. It is unclear if any other		Issue	Medium	Closed	been addressed and proposed IV&V recommendatio ns have been completed. A subsequent finding #19 has been created to address on- going deployment processes and technical	1	D Macdonald
5.000	1/31/2020	detailed deployment script, the project may continue to experience defects related to	defects pushed to production with Phase 3 releases. Some of the defects introduced to production have been narrowed down to 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, etc.). IVV is aware that DOH staff shadowed RSM staff for all	documented deployment script is needed to ensure the repeatability and stability of DOH's production deployments. Since there are currently two deployment types (patches and full solution 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	deployment scripts for both the patch method and the full solution upgrade method. The script(s) should be in the form of a step-by-step procedure that walks through from start to finish of the deployment process and involve several 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 cleaner and more repeatable set of deployment	12/31/2020 - IV&V has closed this issue as the related recommendations below has been completed. A subsequent medium issue finding (#19) has been opened to address ongoing deployment processes and technical execution issues. 11/30/2020 - Release 3.10 was promoted 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 task required as part of the implementation was not included in the deployment, resulting in contacts being deprecated from the Circle of Support in Inspire. It is unclear if any other deployment issues may have also contributed		Issue	Medium	Closed	been addressed and proposed IV&V recommendations have been completed. A subsequent finding #19 has been created to address ongoing deployment processes and technical execution	1	D Macdonald
5.000	1/31/2020	detailed deployment script, the project may continue to experience defects related to	defects pushed to production with Phase 3 releases. Some of the defects introduced to production have been narrowed down to 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, etc.). IVV is aware that DOH staff shadowed RSM staff for all deployment releases during	documented deployment script is needed to ensure the repeatability and stability of DOH's production deployments. Since there are currently two deployment types (patches and full solution 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	deployment scripts for both the patch method and the full solution upgrade method. The script(s) should be in the form of a step-by-step procedure that walks through from start to finish of the deployment process and involve several 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 cleaner and more repeatable set of deployment	12/31/2020 - IV&V has closed this issue as the related recommendations below has been completed. A subsequent medium issue finding (#19) has been opened to address ongoing deployment processes and technical execution issues. 11/30/2020 - Release 3.10 was promoted 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 task required as part of the implementation was not included in the deployment, resulting in contacts being deprecated from the Circle of Support in Inspire. It is unclear if any other deployment issues may have also contributed to the new defects. Deployment corrections		Issue	Medium	Closed	been addressed and proposed IV&V recommendations have been completed. A subsequent finding #19 has been created to address ongoing deployment processes and technical execution	1	D Macdonald
5.000	1/31/2020	detailed deployment script, the project may continue to experience defects related to	defects pushed to production with Phase 3 releases. Some of the defects introduced to production have been narrowed down to 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, etc.). IVV is aware that DOH staff shadowed RSM staff for all deployment releases during Phase 2 with RSM providing	documented deployment script is needed to ensure the repeatability and stability of DOH's production deployments. Since there are currently two deployment types (patches and full solution 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	deployment scripts for both the patch method and the full solution upgrade method. The script(s) should be in the form of a step-by-step procedure that walks through from start to finish of the deployment process and involve several 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 cleaner and more repeatable set of deployment	12/31/2020 - IV&V has closed this issue as the related recommendations below has been completed. A subsequent medium issue finding (#19) has been opened to address ongoing deployment processes and technical execution issues. 11/30/2020 - Release 3.10 was promoted 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 task required as part of the implementation was not included in the deployment, resulting in contacts being deprecated from the Circle of Support in Inspire. It is unclear if any other deployment issues may have also contributed to the new defects. Deployment corrections were applied in a mid sprint release on		Issue	Medium	Closed	been addressed and proposed IV&V recommendations have been completed. A subsequent finding #19 has been created to address ongoing deployment processes and technical execution	1	D Macdonald
5.000	1/31/2020	detailed deployment script, the project may continue to experience defects related to	defects pushed to production with Phase 3 releases. Some of the defects introduced to production have been narrowed down to 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, etc.). IVV is aware that DOH staff shadowed RSM staff for all deployment releases during Phase 2 with RSM providing instruction and DOH staff	documented deployment script is needed to ensure the repeatability and stability of DOH's production deployments. Since there are currently two deployment types (patches and full solution 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	deployment scripts for both the patch method and the full solution upgrade method. The script(s) should be in the form of a step-by-step procedure that walks through from start to finish of the deployment process and involve several 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 cleaner and more repeatable set of deployment	12/31/2020 - IV&V has closed this issue as the related recommendations below has been completed. A subsequent medium issue finding (#19) has been opened to address ongoing deployment processes and technical execution issues. 11/30/2020 - Release 3.10 was promoted 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 task required as part of the implementation was not included in the deployment, resulting in contacts being deprecated from the Circle of Support in Inspire. It is unclear if any other deployment issues may have also contributed to the new defects. Deployment corrections were applied in a mid sprint release on 11/27/2020. Based on the recurrence of this		Issue	Medium	Closed	been addressed and proposed IV&V recommendations have been completed. A subsequent finding #19 has been created to address ongoing deployment processes and technical execution	1	D Macdonald
5.000	1/31/2020	detailed deployment script, the project may continue to experience defects related to	defects pushed to production with Phase 3 releases. Some of the defects introduced to production have been narrowed down to 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, 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	documented deployment script is needed to ensure the repeatability and stability of DOH's production deployments. Since there are currently two deployment types (patches and full solution 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	deployment scripts for both the patch method and the full solution upgrade method. The script(s) should be in the form of a step-by-step procedure that walks through from start to finish of the deployment process and involve several 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 cleaner and more repeatable set of deployment	12/31/2020 - IV&V has closed this issue as the related recommendations below has been completed. A subsequent medium issue finding (#19) has been opened to address ongoing deployment processes and technical execution issues. 11/30/2020 - Release 3.10 was promoted 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 task required as part of the implementation was not included in the deployment, resulting in contacts being deprecated from the Circle of Support in Inspire. It is unclear if any other deployment issues may have also contributed to the new defects. Deployment corrections were applied in a mid sprint release on 11/27/2020. Based on the recurrence of this finding, IV&V has changed this Risk to an		Issue	Medium	Closed	been addressed and proposed IV&V recommendations have been completed. A subsequent finding #19 has been created to address ongoing deployment processes and technical execution	1	D Macdonald
5.000	1/31/2020	detailed deployment script, the project may continue to experience defects related to	defects pushed to production with Phase 3 releases. Some of the defects introduced to production have been narrowed down to 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, 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	documented deployment script is needed to ensure the repeatability and stability of DOH's production deployments. Since there are currently two deployment types (patches and full solution 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	deployment scripts for both the patch method and the full solution upgrade method. The script(s) should be in the form of a step-by-step procedure that walks through from start to finish of the deployment process and involve several 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 cleaner and more repeatable set of deployment	12/31/2020 - IV&V has closed this issue as the related recommendations below has been completed. A subsequent medium issue finding (#19) has been opened to address ongoing deployment processes and technical execution issues. 11/30/2020 - Release 3.10 was promoted 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 task required as part of the implementation was not included in the deployment, resulting in contacts being deprecated from the Circle of Support in Inspire. It is unclear if any other deployment issues may have also contributed to the new defects. Deployment corrections were applied in a mid sprint release on 11/27/2020. Based on the recurrence of this finding, IV&V has changed this Risk to an Issue and will continue to monitor until		Issue	Medium	Closed	been addressed and proposed IV&V recommendations have been completed. A subsequent finding #19 has been created to address ongoing deployment processes and technical execution	1	D Macdonald
5.000	1/31/2020	detailed deployment script, the project may continue to experience defects related to	defects pushed to production with Phase 3 releases. Some of the defects introduced to production have been narrowed down to 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, 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 keyboard. For Phase 3, it is	documented deployment script is needed to ensure the repeatability and stability of DOH's production deployments. Since there are currently two deployment types (patches and full solution 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	deployment scripts for both the patch method and the full solution upgrade method. The script(s) should be in the form of a step-by-step procedure that walks through from start to finish of the deployment process and involve several 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 cleaner and more repeatable set of deployment	12/31/2020 - IV&V has closed this issue as the related recommendations below has been completed. A subsequent medium issue finding (#19) has been opened to address ongoing deployment processes and technical execution issues. 11/30/2020 - Release 3.10 was promoted 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 task required as part of the implementation was not included in the deployment, resulting in contacts being deprecated from the Circle of Support in Inspire. It is unclear if any other deployment issues may have also contributed to the new defects. Deployment corrections were applied in a mid sprint release on 11/27/2020. Based on the recurrence of this finding, IV&V has changed this Risk to an Issue and will continue to monitor until resolved.		Issue	Medium	Closed	been addressed and proposed IV&V recommendations have been completed. A subsequent finding #19 has been created to address ongoing deployment processes and technical execution	1	D Macdonald
5.000	1/31/2020	detailed deployment script, the project may continue to experience defects related to	defects pushed to production with Phase 3 releases. Some of the defects introduced to production have been narrowed down to 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, 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 keyboard. For Phase 3, it is unclear whether a complete,	documented deployment script is needed to ensure the repeatability and stability of DOH's production deployments. Since there are currently two deployment types (patches and full solution 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	deployment scripts for both the patch method and the full solution upgrade method. The script(s) should be in the form of a step-by-step procedure that walks through from start to finish of the deployment process and involve several 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 cleaner and more repeatable set of deployment	12/31/2020 - IV&V has closed this issue as the related recommendations below has been completed. A subsequent medium issue finding (#19) has been opened to address ongoing deployment processes and technical execution issues. 11/30/2020 - Release 3.10 was promoted 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 task required as part of the implementation was not included in the deployment, resulting in contacts being deprecated from the Circle of Support in Inspire. It is unclear if any other deployment issues may have also contributed to the new defects. Deployment corrections were applied in a mid sprint release on 11/27/2020. Based on the recurrence of this finding, IV&V has changed this Risk to an Issue and will continue to monitor until resolved.		Issue	Medium	Closed	been addressed and proposed IV&V recommendations have been completed. A subsequent finding #19 has been created to address ongoing deployment processes and technical execution	1	D Macdonald
5.000	1/31/2020	detailed deployment script, the project may continue to experience defects related to	defects pushed to production with Phase 3 releases. Some of the defects introduced to production have been narrowed down to 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, 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 keyboard. For Phase 3, it is	documented deployment script is needed to ensure the repeatability and stability of DOH's production deployments. Since there are currently two deployment types (patches and full solution 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	deployment scripts for both the patch method and the full solution upgrade method. The script(s) should be in the form of a step-by-step procedure that walks through from start to finish of the deployment process and involve several 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 cleaner and more repeatable set of deployment	12/31/2020 - IV&V has closed this issue as the related recommendations below has been completed. A subsequent medium issue finding (#19) has been opened to address ongoing deployment processes and technical execution issues. 11/30/2020 - Release 3.10 was promoted 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 task required as part of the implementation was not included in the deployment, resulting in contacts being deprecated from the Circle of Support in Inspire. It is unclear if any other deployment issues may have also contributed to the new defects. Deployment corrections were applied in a mid sprint release on 11/27/2020. Based on the recurrence of this finding, IV&V has changed this Risk to an Issue and will continue to monitor until resolved.		Issue	Medium	Closed	been addressed and proposed IV&V recommendations have been completed. A subsequent finding #19 has been created to address ongoing deployment processes and technical execution	1	D Macdonald

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.	BHA does not have a 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.	The 'Definition of Done" document guides the Project's vision, business, and technical goals that are important inputs for stakeholders to 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.	Project is currently in the process of creating the Definition of Done. IV&V recommends that the project create this document and socialize this with project 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.	02/29/2020 - The project created and documented the Phase 3 Definition of Done and socialized it in February. IV&V 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.	Project Management	Concern	N/A	Closed	Definition of Done completed and socialized.	General	V Ramesh
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.	The backlog of defects, requests, and user stories continues to grow. Currently, there are approximately 429 defects and requests, of which almost 200 have a status of 'New'. IVV notes that a large percentage of the backlogged work items do not have user story points estimated. Many of the items listed in the backlog are old, and some may have had needs or requirements change over time or may now be obsolete. IV&V notes that DDD and CAMHD have initiated this effort and agreed to prioritize grooming the backlog by the end of February.	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.	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) W recommends that the project consider utilizing an age-based methodology for	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. 03/31/2020 - IV&V validates that the backlog grooming effort has made great progress,	Project Management	Risk	Low	Closed	The project has demonstrated they are consistently grooming the backlog.	General	D Macdonald

8.000	bandwidth may not be sufficient to meet the needs of the project, which could compromise project productivity.	The BHA Technical Team plays a role that is critical to project success. Currently, the responsibilities associated with the BHA Technical Team have expanded beyond their collective available bandwidth. IV&V notes that BHA began addressing this bandwidth issue, which includes increased collaboration with key RSM resources, and are working to potentially change the structure of the Technical Team.	efforts of all technical DOH staff on the project. As such, the Team's time is both extremely valuable and scarce. If the Team's expected workload exceeds bandwidth, the project could experience bottlenecks. Optimization of the BHA Technical Team's time is to the benefit of the project and plays a critical role in the project's ability to hit performance targets and achieve the Phase 3 definition of done.	The Project should investigate mechanisms of increasing the bandwidth of the BHA Technical Team, either by adding resources through new hires, or vendor contracts. The Project should assess, where possible, if there are responsibilities of the BHA Technical Team that can be reassigned to other project staff. The Project should evaluate where process inefficiencies can be addressed and streamlined to possibly free up the BHA Technical Team's availability. The Project should consider the formation of a first level M&O resource team to triage/address production defects in a timely manner, without disrupting new development work. The Project should consider procurement of an online training toolset to support OCM and technical efforts to offset the need for in-person training - COMPLETED.	06/30/2021 - There were no substantive changes observed in June as hiring within the State continues to be a challenge. The bandwidth of BHA senior technical staff trained in the Dynamics environment continues to be inadequate in meeting the demands of the Project. This finding will remain as a high priority issue until resolved by BHA. 05/31/2021 - No substantive changes were noted in May. BHA continued to assume more lead responsibilities in the areas of user story ownership and performing code reviews. However, the bandwidth of BHA senior technical staff trained in the Dynamics environment is not adequate to meet the demands of the project. This technical resource shortage has compromised project productivity and quality whereby team members are focusing on resolving defects rather than delivering planned DDI work, which continues to be pushed to subsequent releases. While RSM is adding resources to support Releases 3.16 and 3.17, so must BHA. This finding is a major concern for IV&V and as a	Sprint Planning	Issue	High	Open		General	D Macdonald
9.000	product features to be delivered in the near term (next 3 months),	BHA does not have a 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 address this concern.	A Roadmap is a tool that guides an 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 and the Phase.	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	result, we are raising the criticality of this 02/29/2020 - In February, the project further defined the Phase 3 Product Roadmap and aligned it with the Phase 3 Definition of Done. IV&V recommends the project continually	Project Management	Concern	N/A	Closed	Product Roadmap aligned with Definition of Done	General	V Ramesh

10.000	3/31/2020	The COVID-19 pandemic and the	On 3/23/2020, the Governor	DOH stakeholder participation in key	- IV&V recommends BHA to ramp up	04/30/2021 - The Project continues to	Project	Risk	Low	Closed	The Project	D
	-,,	related "stay at home" order could	1 1 1	activities could be significantly	efforts to setup, train, and assist	maintain its ability to operate with staff	Management			ciosca	continues to	Macdonald
		hinder project activities and	from home order" that has	hindered, not only by required	stakeholders on remote work devices and	working remotely, effectively overcoming the					maintain its	
		negatively impact the project	reduced state departments	remote work by DOH and SI staff, but	tools and make every effort to help them	"stay at home, work from home order" that					ability to	
		schedule and budget.	ability to be fully functional	also by the flood of activities that	to become highly functional with remote	reduced BHA's ability to be fully functional in					operate with	
			as the large majority of state	could occur as the department could	access technology (e.g. MS	the office. The potential DDD and CAMHD					staff working	
			workers will be required to	become overwhelmed processing	Teams/Skype) - Completed	budget challenges reported in March were					remotely,	
			work from home/remotely	and providing services due to the	- IV&V recommends the project and DOH	also overcome during April, providing fiscal					effectively	
			at least until the end of April	resulting economic impacts to	create a detailed, documented risk	relief to BHA. As such, IV&V is closing this					overcoming the	
			and some offices may be	citizens. Some stakeholders may be	mitigation strategy and plan that is	finding.					"stay at home,	
			' '	unable (due to stricter shutdown	reviewed regularly and revised to address	The state of the s					work from home	
				policies) or unwilling to perform	the current state of the COVID-19 threat	maintain its ability to operate with staff					order" that	
				these activities during this chaotic	and related impacts over the next 6 to 12	working remotely, while COVID-related					reduced BHA's	
				time. Planned SI on-site visits will	months - In Progress	responsibilities continue to grow for CAMHD					ability to be fully	
				also likely be changed to remote	- IV&V recommends updates to the OCM	Leadership. The Governor announced that					functional in the	
				which could reduce the effectiveness	Plan to include any new activities or	potential furloughs and/or layoffs of State					office. The	
				of their project activities. Going	updates to planned activities to aid the	workers will no longer be necessary based on					potential DDD	
				forward most if not all project	organization through this COVID-19	the signing of the American Rescue Plan.					and CAMHD	
				activities will more than likely be	situation in the short and long term -	IV&V has reduced the priority of this finding					budget	
				conducted remotely until this crisis	Open	from Medium to Low and will continue to					challenges	
				passes.		monitor moving forward.					reported in	
						02/28/2021 - As reported in January, there					March were also	
						were no substantive changes observed for					overcome	
						this finding in February. The Project					during April,	
						continued to maintain its ability to operate					providing fiscal	
						with staff working remotely. IV&V continues to note that there may be potential future					relief to BHA.	
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	3,52,2525	complex user stories has resulted		functional design are not met, users	commenced) conducting technical design	1 ' '		00		Ciosca	change to spend	
		in the promotion of incomplete		could experience the inability to	reviews for complex user stories prior to	complex user stories during June to ensure					extra time on	
		solutions into production.	· '	complete required processes,	development to ensure designs are	requirements and user story components					the design of	
			meet all requirements of	resulting in incomplete data	complete and all requirements associated	1 '					complex user	
			associated user stories for	collection and potential issues in	with the design are met. IV&V observed	process change has proven successful, and as					stories to ensure	
				service delivery.	this activity has been implemented by	such, IV&V recommends closing this concern.					that all	
			components that were	•	DOH in the month of May.	06/30/2020 - IV&V acknowledges the Project					requirements	
			developed and implemented		,	Team continued to spend additional time on					are represented	
			were functional, however			the designs of complex user stories during					has proven to be	
			the effort was complicated			June to ensure requirements and user story					successful.	
			by additional requirements			components were fully captured in design						
			being added during			sessions. IV&V will continue to monitor in						
			development that			July.						
			necessitated additional									
			changes to the design. IV&V									
			will continue to monitor the									
			design review activity for									
			large user stories moving									
			forward									
	l						1					1

12.000	7/31/2020	DDD Project resource shortages	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 part	Project	Risk	Low	Closed	The DDD staff	ln l
12.000		may have a continued negative	training efforts are	can never be understated. It is	much as possible within its sphere of	of the review process are pleased with the	Management	INISK	LOW	Cioseu	who've been	Macdonald
		effect on user adoption, training,	hampered based on staffing	clearly a best practice that best that	influence to increase user adoption and	quality of the videos produced within the	Widnagement				part of the	Ividedoridid
		and overall OCM activities.	shortages. DDD has stated	all staff utilize the solution in the	· ·	toolset and have determined that the toolset					review process	
		and overall ocivi activities.	that its users have been	same manner. Variations in how the		is a very helpful training tool for DDD staff					are pleased with	
			found to not be utilizing the	system is utilized by its users is likely	for in-person training, and adding staff as	and providers. As such, IV&V is closing this					the quality of	
			system to its fullest extent in	to cause variations in data collection	needed to support OCM and technical	finding.					the videos	
			terms of system workflow,	and analytical efforts using the data	efforts.	02/28/2021 - Training videos using the new					produced within	
			provide their insights and	collected.	IV&V recommends DOH perform a	toolset were nearing completion by the end					the toolset, and	
			input, follow up, etc. To	conceted.	detailed investigation of the specific	of February. DOH is currently reviewing the					have	
			assist in OCM activities, DDD		variations as to how the system is	drafts of the second set of videos and work is					determined that	
			has defined the need for an		currently being used by the user	progressing well. IV&V will continue to					the toolset is a	
			interactive training tool to		community. Consequently, users would	monitor this finding until DDD has had					very helpful	
			support Inspire.		be provided with constructive feedback	sufficient time to determine the overall					training tool for	
					on how the system should be utilized	quality of the training work products and					DDD staff and	
					where gaps exist. This will likely lead to	whether the new toolset is addressing user					providers.	
					additional refresher training to close	adoption and staffing shortages for these task						
					identified system knowledge gaps.	efforts.						
						01/31/2021 - Training design activities using						
						the interactive training toolset 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 continue to monitor this finding						
13.000	8/31/2020	PII/PHI data in non-production	IV&V has been made aware	Failure to secure PII/PHI data leaves	IV&V recommends if production data is	06/30/2021 - BHA has coordinated with the	Project	Issue	Medium	Open		D
		environments	that PII/PHI data currently	the organization open to highly	necessary in any non-production	DHS/MedQuest Division to evaluate the use	Management					Macdonald
			exist in a non-production	targeted social engineering attacks,	environment that DOH establishes a plan	of their Delphix data masking tool to address						
			environment to meet	heavy regulatory fines, and loss of	for effectively managing the security of	the PII/PHI data in non-production						
			project needs. Generally this	client trust and loyalty.	the PII/PHI data, including the potential	environments. Additional meetings and						
			is not a good security		masking of data.	collaboration are planned in July. IV&V will						
			practice as the presence of		IV&V recommends that DOH mitigates	continue to monitor this finding.						
			PII/PHI data in non-		this finding by removing and/or masking	05/31/2021 - As reported in previous months,						
			production environments		any PHI/PII data in its non-production	there were no substantive changes for this						
			increases the potential for		environments.	finding in May. Due to resource constraints,						
			theft, loss or exposure thus		NEW - IV&V recommends DOH consider	establishing a plan for managing PHI/PII data						
			increasing the organization's		limiting the volume of environments and	in non-production BHA environments has not						
			risk. Failure to secure PII/PHI		access necessary to support development	T'						
			data leaves the organization		work, which should help minimize this	shortages continues to prevent BHA from						
			open to highly targeted		risk.	accomplishing needed new activities to						
			social engineering attacks,			support the Max/Inspire Project. It remains		1				
			heavy regulatory fines, and			unclear when this important security						
			loss of client trust and			mitigation activity will be completed.						
			loyalty.			04/30/2021 - There were no substantive						
						changes for this finding in April. Due to						
						resource constraints, establishing a plan for		1				
						managing PHI/PII data in non-production BHA						
1		1		1	İ	environments has not yet commenced.	I	1	1	l	1	1
						Taskaisal staff kanalusidtk -kt					l l	
						Technical staff bandwidth shortages						
						continues to prevent BHA from accomplishing						
						-						

14.000 8/31/2020 Project not able to access Activity Logs The Project recently deployed audit log functionality into production whereby these logs can be accessed and exported as needed. However, IV&V was made aware access to activity logging for users with just view permissions will not be available from Microsoft until the end of September 2020. The unavailability of these specific activity logs could potentially hamper the investigation of future The unavailability of activity logs may V&V recommends that DHS continues to collaborate with Microsoft until the collaborate with Microsoft until the elacitivity logging feature is available in all BHA non-production environments. The Project recently deployed audit log functionality into production whereby these logs can be accessed and exported as needed. However, IV&V was made aware access to activity logging for users with just view permissions will not be available from Microsoft until the end of September 2020. The unavailability of these specific activity logs could potentially hamper the investigation of future The unavailability of activity logs may V&V recommends that DHS continues to collaborate with Microsoft until the eactivity logsing feature is available in all BHA non-production environments. The unavailability of activity logs and provided available in all BHA non-production environments. The unavailability of activity logsing feature is available in all BHA non-production environments. The unavailability of activity logsing feature is available in all BHA non-production environments. The unavailability of activity logsing feature is available in all BHA non-production environments. The unavailability of activity logsing feature is available in all BHA non-production environments. The unavailability of activity logsing feature is available in all BHA non-production environments. The unavailability of activity logsing feature	D Macdonald
functionality into production whereby these logs can be accessed and exported as needed. However, IV&V was made aware access to activity logging for users will not be available from Microsoft in the public sector environment until the end of September 2020. The unavailability of these specific activity logs could potentially hamper the	Macadian
whereby these logs can be accessed and exported as needed. However, IV&V was made aware accests to activity logging for users will not be available from Microsoft in the public sector environment until the end of September 2020. The unavailability of these specific activity logs could potentially hamper the	
accessed and exported as needed. However, IV&V was needed. However, IV&V was needed. However, IV&V was necessary from Microsoft due to a layering issue. Based on continued delays, it is unclear when this important security activity will be completed. IV&V will continue to monitor this will not be available from Microsoft in the public sector environment until the end of September 2020. The unavailability of these specific activity logs could potentially hamper the	
needed. However, IV&V was made aware access to activity logging for users with just view permissions will not be available from Microsoft in the public sector environment until the end of September 2020. The unavailability of these specific activity logs could potentially hamper the	
made aware access to activity logging for users when this important security activity will be with just view permissions will not be available from Microsoft in the public sector environment until the end of September 2020. The unavailability of these specific activity logs could potentially hamper the	
activity logging for users with just view permissions will not be available from Microsoft in the public sector environment until the end of September 2020. The unavailability of these specific activity logs could potentially hamper the when this important security activity will be completed. IV&V will continue to monitor this finding. (Per Kamu, this status information did not correctly reflect the issue as the layering issue has no relation to the activity logs.) 01/31/2021 - The implementation effort for this activity moved forward in January. Some of the entities will have activity logging	
with just view permissions will not be available from Microsoft in the public sector environment until the end of September 2020. The unavailability of these specific activity logs could potentially hamper the with just view permissions completed. IV&V will continue to monitor this finding. (Per Kamu, this status information did not correctly reflect the issue as the layering issue has no relation to the activity logs.) 01/31/2021 - The implementation effort for this activity moved forward in January. Some of the entities will have activity logging	
will not be available from Microsoft in the public sector environment until the end of September 2020. The unavailability of these specific activity logs could potentially hamper the finding. (Per Kamu, this status information did not correctly reflect the issue as the layering issue has no relation to the activity logs.) 10	
Microsoft in the public sector environment until the end of September 2020. The unavailability of these specific activity logs could potentially hamper the	
sector environment until the end of September 2020. The unavailability of these specific activity logs could potentially hamper the layering issue has no relation to the activity logs.) layering issue has no relation to the activity logs.) logs.) 01/31/2021 - The implementation effort for this activity moved forward in January. Some of the entities will have activity logging	
end of September 2020. The unavailability of these unavailability of these specific activity logs could potentially hamper the logs.) 01/31/2021 - The implementation effort for this activity moved forward in January. Some of the entities will have activity logging	
unavailability of these specific activity logs could potentially hamper the unavailability of these specific activity logs could sp	
specific activity logs could potentially hamper the this activity moved forward in January. Some of the entities will have activity logging	
potentially hamper the of the entities will have activity logging	
Integration of rature	
security events until	
implemented. until Release 3.13. IVV will continue to	
monitor.	1
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, System defects identified in The identified quality issues have To address quality issues, the Project 06/30/2021 - A Mid Sprint Deployment (MSD) Project Issue High Open	D
the project may continue to face	Macdonald
impactful system defects. were due to multi-faceted processes and DOH has stated these consider: caused by R3.15. This was deferred to the July	
quality issues were are the most impactful defects 1) Perform revenue neutrality fiscal R3.16 regular release after planned	
individually addressed discovered to date. balance testing on a quarterly basis to regression testing was executed. Quality	
during this reporting period. ensure revenues are as expected. issues continue to remain a concern for IV&V.	
IV&V notes that there is one 2) Performing typical project testing Due to resource constraints, the Project has	
remaining defect still being including System Integration, User adopted a measured pace to implement	
evaluated that affects a Acceptance, Performance, and Regression corrective actions from the R3.12 and R3.15	
limited number of claims. Testing. RCAs. The Project plans to review these RCAs	
Overall, the Project Team 3) Assigning a dedicated resource to and associated action items in further detail	
has responded with a provide oversight of CAMHD Fiscal in July. IV&V will continue to monitor this	
commitment to increase Processes. high issue in July.	
project quality and is in the 4) BHA and RSM to collaborate on the 05/31/2021 - Quality issues continued to	
process of identifying necessary revisions to the submitted negatively affect the project in May primarily	
improvements to associated design deliverables to increase level of in the areas of regression testing, smoke	
testing processes. These detail and quality - Completed testing, environment inconsistencies, and	
currently include: 5) Monitor implemented improvements code deployments. R3.12 RCA action plans to	
Performing Revenue for effectiveness In Progress improve quality have not been fully	
Performing Revenue for effectiveness In Progress improve quality have not been fully Neutrality Testing to ensure 6) Evaluate existing project staff skills and implemented due to technical resource	
Performing Revenue for effectiveness In Progress improve quality have not been fully Neutrality Testing to ensure expected revenue streams for effectiveness In Progress improve quality have not been fully (6) Evaluate existing project staff skills and implemented due to technical resource experience level to ensure they meet BHA constraints. This includes adding process	
Performing Revenue for effectiveness In Progress improve quality have not been fully Neutrality Testing to ensure expected revenue streams are largely unchanged from support requirements - Open improve quality have not been fully implemented due to technical resource constraints. This includes adding process steps to existing CAMHD component testing	
Performing Revenue Neutrality Testing to ensure expected revenue streams are largely unchanged from one period to the next. Performing Revenue for effectiveness In Progress 6) Evaluate existing project staff skills and experience level to ensure they meet BHA support requirements - Open support requirements - Open 7) IV&V recommends performing an RCA and updates to deployment checklists.	
Performing Revenue Neutrality Testing to ensure expected revenue streams are largely unchanged from one period to the next. Conducting System for effectiveness In Progress for effectiveness In Progress improve quality have not been fully implemented due to technical resource constraints. This includes adding process steps to existing CAMHD component testing and updates to deployment checklists. Although the BHA investigated adding a paid	
Performing Revenue Neutrality Testing to ensure expected revenue streams are largely unchanged from one period to the next. Performing Revenue for effectiveness In Progress improve quality have not been fully implemented due to technical resource experience level to ensure they meet BHA constraints. This includes adding process steps to existing CAMHD component testing one period to the next. 7) IV&V recommends performing an RCA and updates to deployment checklists.	

46.600	10/5/2022	lu (0 // //	l=1			04/04/0004 71		Ic		la .		l _n
16.000	10/5/2020	Usage of Semantics and IDM for	The project noted its intent			01/31/2021 - The project has made great	Targeted KT	Concern		Closed	The project has	D
		development and ongoing	to obtain more targeted			strides addressing this concern. A Semantics					made good	Macdonald
		maintenance of the system	knowledge transfer of both			Layer KT session was conducted on 1/29/21					progress	
			the Semantics Reporting and			and multiple IDM and Semantic Layer					establishing and	
		approach to support of these tools.				sessions has been scheduled in February.					initial execution	
			continue to monitor this			IV&V is closing this finding as we no longer					of the IDM and	
			concern.			view this item as a concern.					Semantics Layer	
						12/31/2020 - IV&V is aware that an overview					KT plan.	
						of the Semantics Layer KT session was held on						
						12/16/20. The planning effort will result in						
						additional Semantic Layer and 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						
						will be planning and scheduling these						
17.000	10/27/2020	The bandwidth of CAMHD	CAMHD has been provided	CAMDH Leadership participation in	IV&V recommends CAMHD look for	06/30/2021 - As anticipated, the CAMHD	Project	Risk	Low	Closed	CAMHD	D
17.000	10/27/2020	The bandwidth of CAMHD Leadership is being hampered by	CAMHD has been provided with an approval to	CAMDH Leadership participation in key activities could be significantly	IV&V recommends CAMHD look for opportunities to augment the	06/30/2021 - As anticipated, the CAMHD Leadership time dedicated to the Project has	Project Management	Risk	Low	Closed	Leadership time	D Macdonald
17.000	10/27/2020					1 ' '	,	Risk	Low	Closed		D Macdonald
17.000	10/27/2020	Leadership is being hampered by	with an approval to	key activities could be significantly	opportunities to augment the	Leadership time dedicated to the Project has	,	Risk	Low	Closed	Leadership time	D Macdonald
17.000	10/27/2020	Leadership is being hampered by planning tasks and activities for	with an approval to commence planning efforts	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. As	,	Risk	Low	Closed	Leadership time dedicated to the	D Macdonald
17.000	10/27/2020	Leadership is being hampered by planning tasks and activities for assessing project expansion to	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	opportunities to augment the management staffing for planning Phase	Leadership time dedicated to the Project has returned to normal and expected levels. As such, IV&V is closing this finding.	,	Risk	Low	Closed	Leadership time dedicated to the project has	D Macdonald
17.000	10/27/2020	Leadership is being hampered by planning tasks and activities for assessing project expansion to	with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH.	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	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	,	Risk	Low	Closed	Leadership time dedicated to the project has returned to	D Macdonald
17.000	10/27/2020	Leadership is being hampered by planning tasks and activities for assessing project expansion to	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	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	,	Risk	Low	Closed	Leadership time dedicated to the project has returned to	D Macdonald
17.000	10/27/2020	Leadership is being hampered by planning tasks and activities for assessing project expansion to	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	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	,	Risk	Low	Closed	Leadership time dedicated to the project has returned to	D Macdonald
17.000	10/27/2020	Leadership is being hampered by planning tasks and activities for assessing project expansion to	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	opportunities to augment the management staffing for planning Phase	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	,	Risk	Low	Closed	Leadership time dedicated to the project has returned to	D Macdonald
17.000	10/27/2020	Leadership is being hampered by planning tasks and activities for assessing project expansion to	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	opportunities to augment the management staffing for planning Phase	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	,	Risk	Low	Closed	Leadership time dedicated to the project has returned to	D Macdonald
17.000	10/27/2020	Leadership is being hampered by planning tasks and activities for assessing project expansion to	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	opportunities to augment the management staffing for planning Phase	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	,	Risk	Low	Closed	Leadership time dedicated to the project has returned to	D Macdonald
17.000	10/27/2020	Leadership is being hampered by planning tasks and activities for assessing project expansion to	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	opportunities to augment the management staffing for planning Phase	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	,	Risk	Low	Closed	Leadership time dedicated to the project has returned to	D Macdonald
17.000	10/27/2020	Leadership is being hampered by planning tasks and activities for assessing project expansion to	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	opportunities to augment the management staffing for planning Phase	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	,	Risk	Low	Closed	Leadership time dedicated to the project has returned to	D Macdonald
17.000	10/27/2020	Leadership is being hampered by planning tasks and activities for assessing project expansion to	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	opportunities to augment the management staffing for planning Phase	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.	,	Risk	Low	Closed	Leadership time dedicated to the project has returned to	D Macdonald
17.000	10/27/2020	Leadership is being hampered by planning tasks and activities for assessing project expansion to	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	opportunities to augment the management staffing for planning Phase	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	,	Risk	Low	Closed	Leadership time dedicated to the project has returned to	D Macdonald
17.000	10/27/2020	Leadership is being hampered by planning tasks and activities for assessing project expansion to	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	opportunities to augment the management staffing for planning Phase	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	,	Risk	Low	Closed	Leadership time dedicated to the project has returned to	D Macdonald
17.000	10/27/2020	Leadership is being hampered by planning tasks and activities for assessing project expansion to	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	opportunities to augment the management staffing for planning Phase	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	,	Risk	Low	Closed	Leadership time dedicated to the project has returned to	D Macdonald
17.000	10/27/2020	Leadership is being hampered by planning tasks and activities for assessing project expansion to	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	opportunities to augment the management staffing for planning Phase	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.	,	Risk	Low	Closed	Leadership time dedicated to the project has returned to	D Macdonald
17.000	10/27/2020	Leadership is being hampered by planning tasks and activities for assessing project expansion to	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	opportunities to augment the management staffing for planning Phase	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	,	Risk	Low	Closed	Leadership time dedicated to the project has returned to	D Macdonald
17.000	10/27/2020	Leadership is being hampered by planning tasks and activities for assessing project expansion to	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	opportunities to augment the management staffing for planning Phase	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	,	Risk	Low	Closed	Leadership time dedicated to the project has returned to	D Macdonald
17.000	10/27/2020	Leadership is being hampered by planning tasks and activities for assessing project expansion to	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	opportunities to augment the management staffing for planning Phase	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	,	Risk	Low	Closed	Leadership time dedicated to the project has returned to	D Macdonald
17.000	10/27/2020	Leadership is being hampered by planning tasks and activities for assessing project expansion to	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	opportunities to augment the management staffing for planning Phase	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	Management	Risk	Low	Closed	Leadership time dedicated to the project has returned to	D Macdonald
17.000	10/27/2020	Leadership is being hampered by planning tasks and activities for assessing project expansion to	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	opportunities to augment the management staffing for planning Phase	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	Management	Risk	Low	Closed	Leadership time dedicated to the project has returned to	D Macdonald
17.000	10/27/2020	Leadership is being hampered by planning tasks and activities for assessing project expansion to	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	opportunities to augment the management staffing for planning Phase	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 who will be	Management	Risk	Low	Closed	Leadership time dedicated to the project has returned to	D Macdonald
17.000	10/27/2020	Leadership is being hampered by planning tasks and activities for assessing project expansion to	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	opportunities to augment the management staffing for planning Phase	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 who will be dedicated to the Vaccine Registration Project,	Management	Risk	Low	Closed	Leadership time dedicated to the project has returned to	D Macdonald
17.000	10/27/2020	Leadership is being hampered by planning tasks and activities for assessing project expansion to	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	opportunities to augment the management staffing for planning Phase	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 who will be	Management	Risk	Low	Closed	Leadership time dedicated to the project has returned to	D Macdonald

18.000	11/30/2020	Due to consistent technical issues	The IDM and Semantic layer		IV&V recommends the project to	06/30/2021 - The number of issues requiring	Release/Deploym	Iccup	Low	Open	ln.
10.000	11/30/2020	requiring escalation to Microsoft,	efforts have experienced		continue to monitor the status of	assistance from Microsoft continues to be	ent Planning	issue	LOW	Open	Macdonald
			several delays attributable		outstanding Microsoft tickets and to	low with only two known items open. As	CITE FIGHTHING				iviacuonala
			to issues escalated to		escalate the priority of these tickets as	such, IV&V is reducing the priority of this					
		luelayeu.	Microsoft. The issues have		deemed necessary.	finding to low and will continue to monitor.					
			ranged from administrative	,	deemed necessary.	05/31/2021 - There is only one open					
			communication (entering			Microsoft ticket affecting the attachment of					
			issues into the Commercial			Claims to the Batch. As such, IV&V is reducing					
			support instance vs the			the criticality of this finding from High to					
			Government Cloud support			Medium and will continue to monitor.					
			instance), to several key			04/30/2021 - BHA continues to work with					
			technical issues requiring			Microsoft on technical issues as they arise in					
			assistance to resolve. To			the Government Community Cloud (GCC)					
			date, these support needs			instance. The issue with fields being locked					
			have added over a month to			has been resolved, however, a new MS ticket					
			the IDM and Semantic Layer			was opened to address workflows and					
			project schedules.			business rules being disabled after a solution					
			p. speec somewares.			upgrade was applied. This issue has put a halt					
						to all solution aware CRM development and					
						code promotion work. This issue has delayed					
						the R3.15 production release by at least a					
						week. IV&V will continue to monitor this					
						finding.					
						03/31/2021 - BHA continues to work with					
						Microsoft on technical issues as they arise in					
						the Government Community Cloud (GCC)					
						instance. The issue with fields being locked is					
19.000	12/31/2020	Due to on-going deployment	There have been several	Repeatable documented release and	Develop a plan to institutionalize the	06/30/2021 - The majority of the R3.15 post-	Release/Deploym	Issue	High	Open	D
		processes and technical execution	defects pushed to	deployment will help ensure that	execution of "Smoke Testing" for	production issues in May were attributed to	ent Planning				Macdonald
		issues, the project may continue to	production with Phase 3	mistakes are minimized, and that	promotions to non-production and	deployment processes and technical				1	
		encounter defects and challenges	releases. Some of the	functionality is not mistakenly							
				runctionality is not mistakemy	production environments. This will help	execution. The planned MSD to remedy the					
	1	in meeting projected timelines for	defects introduced to	deprecated when deployments take	to ensure that all components needed to	execution. The planned MSD to remedy the high priority R3.15 defects in June was not					
		in meeting projected timelines for production and non-production	defects introduced to production have been		to ensure that all components needed to						
		1	1	deprecated when deployments take	to ensure that all components needed to	high priority R3.15 defects in June was not					
		production and non-production	production have been	deprecated when deployments take	to ensure that all components needed to test have been properly deployed prior to	high priority R3.15 defects in June was not deployed to production but instead will be					
		production and non-production	production have been narrowed down to	deprecated when deployments take place.	to ensure that all components needed to test have been properly deployed prior to the actual execution of test activities.	high priority R3.15 defects in June was not deployed to production but instead will be deployed in the R3.16 release.					
		production and non-production	production have been narrowed down to environmental promotional	deprecated when deployments take place.	to ensure that all components needed to test have been properly deployed prior to the actual execution of test activities. Work in collaboration with RSM to establish a plan for DOH to assume all	high priority R3.15 defects in June was not deployed to production but instead will be deployed in the R3.16 release. Due to resource constraints, a planned					
		production and non-production	production have been narrowed down to environmental promotional activities. In these instances,	deprecated when deployments take place.	to ensure that all components needed to test have been properly deployed prior to the actual execution of test activities. Work in collaboration with RSM to establish a plan for DOH to assume all	high priority R3.15 defects in June was not deployed to production but instead will be deployed in the R3.16 release. Due to resource constraints, a planned portion of the deployment-related corrective					
		production and non-production	production have been narrowed down to environmental promotional activities. In these instances, the DEV and TEST	deprecated when deployments take place.	to ensure that all components needed to test have been properly deployed prior to the actual execution of test activities. Work in collaboration with RSM to establish a plan for DOH to assume all deployment activities to ensure complete	high priority R3.15 defects in June was not deployed to production but instead will be deployed in the R3.16 release. Due to resource constraints, a planned portion of the deployment-related corrective actions from the R3.12 and R3.15 RCA's have					
		production and non-production	production have been narrowed down to environmental promotional activities. In these instances, the DEV and TEST environments were not in	deprecated when deployments take place.	to ensure that all components needed to test have been properly deployed prior to the actual execution of test activities. 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.	high priority R3.15 defects in June was not deployed to production but instead will be deployed in the R3.16 release. Due to resource constraints, a planned portion of the deployment-related corrective actions from the R3.12 and R3.15 RCA's have been implemented . IV&V looks to see the team implement further recommendations in the next releases.					
		production and non-production	production have been narrowed down to environmental promotional activities. In these instances, the DEV and TEST environments were not in sync with the production	deprecated when deployments take place.	to ensure that all components needed to test have been properly deployed prior to the actual execution of test activities. 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.	high priority R3.15 defects in June was not deployed to production but instead will be deployed in the R3.16 release. Due to resource constraints, a planned portion of the deployment-related corrective actions from the R3.12 and R3.15 RCA's have been implemented . IV&V looks to see the team implement further recommendations in					
		production and non-production	production have been narrowed down to environmental promotional activities. In these instances, the DEV and TEST environments were not in sync with the production environment (missing	deprecated when deployments take place.	to ensure that all components needed to test have been properly deployed prior to the actual execution of test activities. 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.	high priority R3.15 defects in June was not deployed to production but instead will be deployed in the R3.16 release. Due to resource constraints, a planned portion of the deployment-related corrective actions from the R3.12 and R3.15 RCA's have been implemented . IV&V looks to see the team implement further recommendations in the next releases.					
		production and non-production	production have been narrowed down to 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, etc.). IVV is	deprecated when deployments take place.	to ensure that all components needed to test have been properly deployed prior to the actual execution of test activities. 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.	high priority R3.15 defects in June was not deployed to production but instead will be deployed in the R3.16 release. Due to resource constraints, a planned portion of the deployment-related corrective actions from the R3.12 and R3.15 RCA's have been implemented . IV&V looks to see the team implement further recommendations in the next releases. 05/31/2021 - Release R3.15 was promoted to					
		production and non-production	production have been narrowed down to 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, etc.). IVV is aware that DOH staff	deprecated when deployments take place.	to ensure that all components needed to test have been properly deployed prior to the actual execution of test activities. 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.	high priority R3.15 defects in June was not deployed to production but instead will be deployed in the R3.16 release. Due to resource constraints, a planned portion of the deployment-related corrective actions from the R3.12 and R3.15 RCA's have been implemented . IV&V looks to see the team implement further recommendations in the next releases. 05/31/2021 - Release R3.15 was promoted to production on 5/20/2021. Three high priority defect issues were identified, addressed, and re-promoted to production on 5/21/2021.					
		production and non-production	production have been narrowed down to 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, etc.). IVV is aware that DOH staff shadowed RSM staff for all	deprecated when deployments take place.	to ensure that all components needed to test have been properly deployed prior to the actual execution of test activities. 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. Look at implementing 'hard' code freeze dates as well as test environment	high priority R3.15 defects in June was not deployed to production but instead will be deployed in the R3.16 release. Due to resource constraints, a planned portion of the deployment-related corrective actions from the R3.12 and R3.15 RCA's have been implemented . IV&V looks to see the team implement further recommendations in the next releases. 05/31/2021 - Release R3.15 was promoted to production on 5/20/2021. Three high priority defect issues were identified, addressed, and re-promoted to production on 5/21/2021. Since then, several other issues were					
		production and non-production	production have been narrowed down to 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, etc.). IVV is aware that DOH staff	deprecated when deployments take place.	to ensure that all components needed to test have been properly deployed prior to the actual execution of test activities. 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.	high priority R3.15 defects in June was not deployed to production but instead will be deployed in the R3.16 release. Due to resource constraints, a planned portion of the deployment-related corrective actions from the R3.12 and R3.15 RCA's have been implemented . IV&V looks to see the team implement further recommendations in the next releases. 05/31/2021 - Release R3.15 was promoted to production on 5/20/2021. Three high priority defect issues were identified, addressed, and re-promoted to production on 5/21/2021.					
		production and non-production	production have been narrowed down to 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, etc.). IVV is aware that DOH staff shadowed RSM staff for all deployment releases during Phase 2 with RSM providing	deprecated when deployments take place.	to ensure that all components needed to test have been properly deployed prior to the actual execution of test activities. 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. Look at implementing 'hard' code freeze dates as well as test environment deployment dates to ensure that testing and deployment activities are not	high priority R3.15 defects in June was not deployed to production but instead will be deployed in the R3.16 release. Due to resource constraints, a planned portion of the deployment-related corrective actions from the R3.12 and R3.15 RCA's have been implemented . IV&V looks to see the team implement further recommendations in the next releases. 05/31/2021 - Release R3.15 was promoted to production on 5/20/2021. Three high priority defect issues were identified, addressed, and re-promoted to production on 5/21/2021. Since then, several other issues were identified, indicating that a full impact analysis was not performed prior to the re-					
		production and non-production	production have been narrowed down to 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, etc.). IVV is aware that DOH staff shadowed RSM staff for all deployment releases during Phase 2 with RSM providing instruction and DOH staff	deprecated when deployments take place.	to ensure that all components needed to test have been properly deployed prior to the actual execution of test activities. 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. 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	high priority R3.15 defects in June was not deployed to production but instead will be deployed in the R3.16 release. Due to resource constraints, a planned portion of the deployment-related corrective actions from the R3.12 and R3.15 RCA's have been implemented . IV&V looks to see the team implement further recommendations in the next releases. 05/31/2021 - Release R3.15 was promoted to production on 5/20/2021. Three high priority defect issues were identified, addressed, and re-promoted to production on 5/21/2021. Since then, several other issues were identified, indicating that a full impact analysis was not performed prior to the re-promotion effort. IV&V notes that code					
		production and non-production	production have been narrowed down to 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, 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	deprecated when deployments take place.	to ensure that all components needed to test have been properly deployed prior to the actual execution of test activities. 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. 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 Request the assistance of the RSM	high priority R3.15 defects in June was not deployed to production but instead will be deployed in the R3.16 release. Due to resource constraints, a planned portion of the deployment-related corrective actions from the R3.12 and R3.15 RCA's have been implemented . IV&V looks to see the team implement further recommendations in the next releases. 05/31/2021 - Release R3.15 was promoted to production on 5/20/2021. Three high priority defect issues were identified, addressed, and re-promoted to production on 5/21/2021. Since then, several other issues were identified, indicating that a full impact analysis was not performed prior to the repromotion effort. IV&V notes that code promotion corrective action initiatives					
		production and non-production	production have been narrowed down to 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, 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	deprecated when deployments take place.	to ensure that all components needed to test have been properly deployed prior to the actual execution of test activities. 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. 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 Request the assistance of the RSM Solution Architect in reviewing and	high priority R3.15 defects in June was not deployed to production but instead will be deployed in the R3.16 release. Due to resource constraints, a planned portion of the deployment-related corrective actions from the R3.12 and R3.15 RCA's have been implemented . IV&V looks to see the team implement further recommendations in the next releases. 05/31/2021 - Release R3.15 was promoted to production on 5/20/2021. Three high priority defect issues were identified, addressed, and re-promoted to production on 5/21/2021. Since then, several other issues were identified, indicating that a full impact analysis was not performed prior to the repromotion effort. IV&V notes that code promotion corrective action initiatives resulting from the R3.12 RCA were not					
		production and non-production	production have been narrowed down to 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, 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 keyboard. For Phase 3, it is	deprecated when deployments take place.	to ensure that all components needed to test have been properly deployed prior to the actual execution of test activities. 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. 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 Request the assistance of the RSM Solution Architect in reviewing and correcting issues associated with	high priority R3.15 defects in June was not deployed to production but instead will be deployed in the R3.16 release. Due to resource constraints, a planned portion of the deployment-related corrective actions from the R3.12 and R3.15 RCA's have been implemented . IV&V looks to see the team implement further recommendations in the next releases. 05/31/2021 - Release R3.15 was promoted to production on 5/20/2021. Three high priority defect issues were identified, addressed, and re-promoted to production on 5/21/2021. Since then, several other issues were identified, indicating that a full impact analysis was not performed prior to the re-promotion effort. IV&V notes that code promotion corrective action initiatives resulting from the R3.12 RCA were not implemented prior to the release of R3.15.					
		production and non-production	production have been narrowed down to 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, 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 keyboard. For Phase 3, it is unclear whether a complete,	deprecated when deployments take place.	to ensure that all components needed to test have been properly deployed prior to the actual execution of test activities. 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. 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 Request the assistance of the RSM Solution Architect in reviewing and correcting issues associated with consistency of the configurations across	high priority R3.15 defects in June was not deployed to production but instead will be deployed in the R3.16 release. Due to resource constraints, a planned portion of the deployment-related corrective actions from the R3.12 and R3.15 RCA's have been implemented . IV&V looks to see the team implement further recommendations in the next releases. 05/31/2021 - Release R3.15 was promoted to production on 5/20/2021. Three high priority defect issues were identified, addressed, and re-promoted to production on 5/21/2021. Since then, several other issues were identified, indicating that a full impact analysis was not performed prior to the re-promotion effort. IV&V notes that code promotion corrective action initiatives resulting from the R3.12 RCA were not implemented prior to the release of R3.15. CAMHD technical staff mentioned that					
		production and non-production	production have been narrowed down to 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, 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 keyboard. For Phase 3, it is	deprecated when deployments take place.	to ensure that all components needed to test have been properly deployed prior to the actual execution of test activities. 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. 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 Request the assistance of the RSM Solution Architect in reviewing and correcting issues associated with	high priority R3.15 defects in June was not deployed to production but instead will be deployed in the R3.16 release. Due to resource constraints, a planned portion of the deployment-related corrective actions from the R3.12 and R3.15 RCA's have been implemented . IV&V looks to see the team implement further recommendations in the next releases. 05/31/2021 - Release R3.15 was promoted to production on 5/20/2021. Three high priority defect issues were identified, addressed, and re-promoted to production on 5/21/2021. Since then, several other issues were identified, indicating that a full impact analysis was not performed prior to the re-promotion effort. IV&V notes that code promotion corrective action initiatives resulting from the R3.12 RCA were not implemented prior to the release of R3.15.					

20.000	3/28/2021	expiration will require BHA to perform transition of the D365 solution to the State prior to contract end.	The RSM contract for Phase 3 is currently planned to complete in September 2021. BHA will need a transition plan to ensure that it has all knowledge transfer and is fully capable of managing all aspects of supporting and maintaining the D365 solution without vendor support until at least the Phase 4 expansion effort is procured and initiated. The Phase 4 effort is currently expected to 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.		Work hand in hand with RSM to ensure that DOH has the knowledge, skills, and capabilities to perform all aspects of the project prior to September 2021. If the knowledge transfer takes more time than planned, consider developing, testing, and promoting less releases in the summer months as the transition off of vendor support approaches.	05/31/2021 - Per CAMHD, the RSM contract amendments to extend the DD&I effort (Mod 5) to the end of December 2021 and also provide M&O services (Mod 6) through May 2022 were fully executed in May. IV&V is closing this preliminary concern. 04/30/2021 - The RSM contract amendment is still pending approval. This amendment will extend the DD&I effort (Mod 5) to the end of December 2021 and will also provide M&O services (Mod 6) through May 2022. Mod 5 is expected to be approved in May 2021. This will delay the near-term need for a Transition Plan until first quarter 2022. IV&V will continue to monitor this finding.	Project Management	Concern		Closed	The RSM amendments were fully executed in May 2021.	Vic Dudoit
21.000	4/30/2021	The DDD Project Manager will be on leave and unavailable to the project starting in May.	her absence may cause an increased level of risk to the project. DDD has	The DDD Project Manager is critical to all daily project interactions affecting DDD from a functional and 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 several releases.	1) IV&V recommends DDD to continue to look for opportunities to augment the existing technical staff in order to 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 staff to focus on technical duties.	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 results in some level of bandwidth/workload challenges for DDD technical staff.	Project Management	Issue	Medium	Open		D Macdonald
22.000	6/30/2021	'	The continued volume of unplanned rework may have an impact on delivering planned DDI functionality with only 4 possible DDI releases remaining for completion.					Preliminary Co	l oncern			D MacDonald