

OFFICE OF ENTERPRISE TECHNOLOGY SERVICES

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January 13, 2022

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

December 1 – December 31, 2021

Final submitted: January 10, 2022



Agenda

Executive Summary

IV&V Findings & Recommendations

Appendices

- A Rating Scales
- B Inputs
- C Project Trends





Executive Summary

The Project continues to demonstrate sustained quality improvements as the R3.20 release promoted to production on 12/16/2021 resulted in just a few non-critical post-production defects known to date.

IV&V's most significant concern relates to project resources. In addition to the current BHA staff shortages reported, other resource issues were identified in December. Two key BHA team members will be unavailable starting in January and one is retiring the end of December. Although mitigation efforts are in progress to remedy these issues, we are still concerned about the Project's ability to deliver upcoming releases on time and with quality results.

The implementation dates of 'big boulder' interfaces functionality continued to slip in December, primarily attributable to third-party vendor delays. IV&V will continue to monitor the implementation progress of the 'big boulder' interfaces functionality as well as the finding regarding critical BHA resource constraints.

Oct	Nov	Dec	Category	IV&V Observations	
R	R Sprint resource issues were identified. Two key CAMHD resources are unavailable starting early in January and one DDD resource is retiring the end of December. The Project		For December, the two CAMHD technical positions remained vacant and additional resource issues were identified. Two key CAMHD resources are unavailable starting as early in January and one DDD resource is retiring the end of December. The Project has commenced mitigation efforts to remediate these resource issues. The criticality rating for this category remains Red (high) for the December reporting period.		
		There are no active findings in User Story (US) Validation category which remains Green (low criticality) for the December reporting period. IV&V will continue to monitor the US development and validation process in upcoming reporting periods.			
Y	Y	Y	Test Practice	The Project deployed R3.20 to production on 12/16/2021 with a few non-critical post-production defects. Regression testing continues to show positive results in the month of December.	
			Validation	BHA continued its efforts to select an automated regression tool as they await a proof of concept for a tool called Eggplant to compare with Microsoft's EasyRepro tool. IV&V will continue to monitor this finding.	



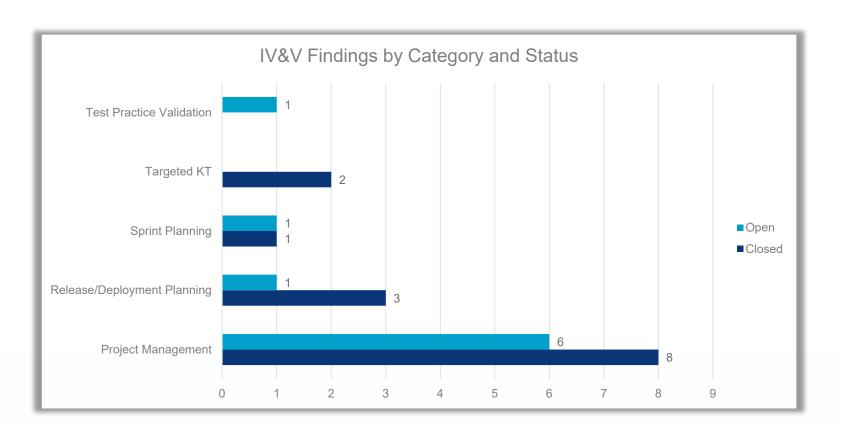
Executive Summary

Oct	Nov	Dec	Category	IV&V Observations	
R	R			production issues to date. IV&V is concerned that 2 of the 3 primary BHA deployment team members will not be fully available to support the project starting in January. IV&V	
G	G OJT and KT Sessions The criticality rating for the OJT and KT Sessions category remains Green (low) for December reporting period with no active findings.		The criticality rating for the OJT and KT Sessions category remains Green (low) for the December reporting period with no active findings.		
G	G	G	There are no active findings in this category which remains Green (low criticality) for the December reporting period. IV&V will continue to monitor this category moving forward		
G	G	G Project Performance Story Points for R3.20 exceeding the planned US Story Points of 97. IV&V will keep the criticality rating for this category a Green (low) will continue to monitor this category moving forward.			
G	G	G Organizational Maturity Assessment There were no updates to this category. The criticality rating for the OMA category remains Green (low).			
Y	Y	Y	Project Management	T recommended by tyky - the taptilit for extending the filliand wiki illimetrames is still	



Executive Summary

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





Assessment Categories

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

- Sprint Planning
- User Story Validation
- Test Practice Validation
- Release / Deployment Planning
- On-the-Job Training (OJT) and Knowledge 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
7	High Issue - The BHA Technical Team bandwidth may not be adequate to meet the needs of the project, which could compromise project productivity. The two technical positions for CAMHD remain open during December. There were additional resource issues identified during December which include 1) BHA Solution Architect on leave from early January through early April 2) Key BHA Deployment team member partially allocated to a significant CAMHD/MedQuest rate change initiative during February, and 3) DDD IT/Security resource is retiring at the end of December. The Project has commenced mitigation efforts to remediate these resource issues to include backfilling from within the divisions, supplementing the project with additional RSM resources, and reducing the size of the upcoming release. IV&V is very concerned with these new resource issues and will continue to closely monitor this high criticality issue.	H
Recor	nmendations	Status
	A needs, and should pursue, additional Knowledge Transfer sessions on the updated Calculator 3.0 ution. Knowledge Transfer sessions should include complete documentation of the solution.	In progress
	e Project should investigate mechanisms of increasing the bandwidth of the BHA Technical Team, either by ling resources through new hires, or vendor contracts.	In progress
	e Project should assess, where possible, if there are responsibilities of the BHA Technical Team that can reassigned to other project staff.	In progress



IV&V Findings & Recommendations Sprint Planning

Recommendations	Status
The Project should evaluate where process inefficiencies can be addressed and streamlined to possibly free up the BHA Technical Team's availability.	In progress
The Project should consider the formation of a first level resource team to triage/address production defects in a timely manner, without disrupting new development work.	In progress
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



Test Practice Validation

#	Key Findings	Criticality Rating
2	Medium Issue – As a result of regression testing not being consistently performed, production releases are breaking and/or deprecating existing functionality in the production environment. R3.20 was promoted to production on 12/16/2021 with a few non-critical post-production defects identified after the production release. Overall regression testing continues to improve with each release. The Project continued to evaluate the EasyRepro and Eggplant tools for automated regression testing, however, available staffing for this effort is still a roadblock to commencing this activity in earnest. IV&V will continue to monitor this medium criticality issue.	M
Recor	nmendations	Status
	suing additional formal training in AzureDevOps for test automation at the earliest possible juncture and nmence efforts to automate at least the 2 primary regression test scripts.	In progress
	V recommends DDD and CAMHD to develop a common and consistent approach across divisions for forming regression testing.	Completed
	ermine if current regression testing timeframes are adequate and if not, add more time to the preduction regression test efforts for all release deployments.	Completed
• Upo	dating the regression test scripts to ensure consistency with system configuration.	Completed



Test Practice Validation (cont'd)

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

Release / Deployment Planning

#	Key Findings	Criticality Rating
18	Medium Issue - Due to ongoing deployment processes and technical execution issues, the Project may continue to encounter defects and challenges in meeting projected timelines for production and non-production deployments. R3.20 was promoted to production on 12/16/2021 with a few non-critical post-production defects. To date, it is not known if these issues are related to the deployment as RCA efforts are in progress. IV&V is concerned that 2 of the 3 primary technical staff responsible for promotional activities will be unavailable to support the project; one through early April, and the other part-time during February. IV&V notes that the Project is planning for smaller releases to mitigate any potential impacts based on promotional resource availability. IV&V will continue to monitor this medium criticality issue.	M
Reco	ommendations	Status
• Fr		
re	nsure there are adequate and qualified resources to support the current deployment processes. This may quire the support from RSM resources to provide assistance and knowledge transfer for some of the more amplex deployment components.	In Progress
• W	quire the support from RSM resources to provide assistance and knowledge transfer for some of the more	In Progress Completed



Release / Deployment Planning (cont'd)

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



Release / Deployment Planning (cont'd)

Recommendations	Status
 Develop a plan to institutionalize the execution of "Smoke Testing" for promotions to non-production and production environments. This will help to ensure that all components needed to test have been properly deployed prior to the actual execution of test activities. 	Completed
 Due to an error prone process of 'cherry picking' what is and what is not ready for deployment, IV&V recommends that DOH and RSM collaborate to determine an improved manner for managing DOH environments. (As a result of how the current development environment is being managed, 'cherry picking' components to deploy will continue to occur. This recommendation is closed.) 	Closed



Project Management

#	Key Findings	Criticality Rating
14	Medium Issue - Due to multiple quality concerns, the Project may continue to face impactful system defects. R3.20 was promoted to production on 12/16/2021 with a few non-critical post - production defects. Root cause analysis efforts for these defects are in progress. A total of 107.5 USPs were promoted for this release as overall quality continues to show sustained improvement. IV&V will continue to monitor this medium criticality issue.	M

Recommendations	Status
Evaluate existing project staff skills and experience level to ensure they meet BHA support requirements.	Open
Perform revenue neutrality fiscal balance testing on a quarterly basis to ensure revenues are as expected.	In Progress
Assign dedicated resources to provide oversight of CAMHD Fiscal Processes.	In Progress
Monitor implemented improvements for effectiveness.	In Progress

Recommendations	
 IV&V recommends performing an RCA in collaboration with RSM after all future release deployments for continual quality improvement. 	Completed
BHA and RSM to collaborate on the necessary revisions to the submitted design deliverables to increase level of detail and quality.	Completed
 Perform typical project testing including System Integration, User Acceptance, Performance, and Regression Testing. 	Completed
 Dedicate sufficient time in between releases for BHA and RSM to execute/implement RCA correction actions to reduce the volume of unplanned rework. 	Completed

#	Key Findings							
12	 Medium Issue – PII/PHI data in non-production environments. Again, there was no substantive change to this finding in December. This effort continues to remain on hold until additional staff are available to address this issue. IV&V continues to note that a Security Assessment is planned for the first quarter of 2022, which will likely require BHA to act on this finding. IV&V will continue to monitor this medium criticality issue. 							
Recor	nmendations	Status						
	V recommends DOH consider limiting the volume of environments with PII/PHI data and access essary to support development work, which should help minimize this risk.	Open						
	V recommends if production data is necessary in any non-production environment that DOH establishes a for effectively managing the security of the PII/PHI data, including the potential masking of data.	In Progress						
	V recommends that DOH mitigates this finding by minimizing and/or masking PHI/PII data in designated -production environments.	In Progress						

#	Key Findings	Criticality Rating
21	Low Issue – Unplanned rework may have an impact on delivering DDI functionality by the end of the DDI period. The percentage of defects vs planned user stories and requests rose slightly during December. The defect percentage was 29% in the December release which is close to the target of ≤ 20% of the USPs deployed to production. IV&V will continue to monitor this low criticality issue.	L

Recommendations	Status
Reduce the amount of unplanned rework by continuing to focus on quality improvement measures.	In Progress
Strive for defect performance metric not to exceed 20% of all user story points in any given release.	In Progress



#	Key Findings	Criticality Rating
22	Low Issue – The project schedules for 'big boulder' interfaces functionality development are slipping. 'Big Boulder' prioritized features/functionality implementation schedules continued to slip during December, largely due to interface delays working with multiple third-party entities. The ePrescribe effort has been re-scheduled for R3.22. The CAFAS interface and the HHIE ADT Interface have both been re-scheduled for R3.22 or R3.23. The Provider Interface Files effort is currently in a TBD status as a change in approach to developing an API is being considered. The 270/271 Medicaid Eligibility Interface with MQD is also in a TBD status as of the end of December. The required	L
	forms have been submitted to MQD and additional details on intermediate milestones are in process of being assessed. IV&V will continue to monitor this low criticality issue.	

Recommendations	Status
 Extend the current DDI timeframe to allow for the completion of 'big boulder' interfaces functionality development. 	In Progress
BHA to add more resources to support the development of "big boulder' interfaces functionality.	New



#	Key Findings	Criticality Rating
23	Low Issue – The current DDI period expires at the end of December 2021 which will require RSM to transition the D365 solution to the State prior to contract end. There were no substantive changes to this finding observed during December as BHA continues to pursue CMS Federal funding approval for extending DD&I through October 2022 followed by M&O through September 2024. IV&V will continue to monitor this finding until Federal funding approved.	L

Recommendations	Status
Obtain IAPDU approval from CMS.	In Progress



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 	December – Available velocity was estimated at 97 user story points for R3.20, and despite a shortened release cycle, a total of 107.5 USPs were promoted to production on 12/14/2021. This was aided by the promotion of the previously completed integration of CAMHD's Power BI Reports into Max, which had previously been blocked by a Microsoft issue. This user story accounted for 19 of the total USP's. Overall, cumulative Phase 3 targeted USP's through R3.20 was planned for 1,614, and the actual USP count is now 2,180.27. This continues to exceed expectations for volume of work performed.	N/A

Project Performance Metrics (cont'd.)

Metric	Description	IV&V Observations	IV&V Updates
Defect Metrics	Understand and track the following: • Defects by category (bug fixes) • US Points assigned to defects in a release vs US Points assigned to planned US in a release	 December – R3.20 was deployed to production on December 19, 2021. A total of 107.5 USP's were promoted to production. 71% of the total USP's were associated with planned user stories and requests. 29% of the total USP's were associated with defects that were either encountered during the release effort or pulled from the backlog. 	N/A

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.

arisen. There is a clear plan to get back on track.

The assessment category's risk and/or issues have been identified, and further mitigation is required to facilitate forward.

progress. The known impact of potential risks and known issues are likely to jeopardize the assessment category.

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

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

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

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

Significant schedule issues exist (> 60 days late). Milestone and task completion dates will need to be re-planned.

Executive management and/or project sponsorship attention is required to bring the assessment category under control.



Appendix A

Finding Criticality Ratings

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

Appendix B: Inputs

Appendix B

Inputs

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

Meetings attended during the December 2021 reporting period:

- Daily Scrum Meetings (selected)
- 2. 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
- 7. IV&V Draft IV&V Status Review Meeting with DOH
- IV&V Draft IV&V Status Review Meeting with RSM and DOH

Eclipse IV&V® Base Standards and Checklists

Artifacts reviewed during the December 2021 reporting period:

- 1. Daily Scrum Notes (selected)
- 2. Twice Weekly Issues Meeting Notes (selected)
- 3. Code Review Process Documentation



Appendix C: Project Trends

Appendix C Project Trends

Trend: Overall Project Health										
Drococc Area	2021									
Process Area		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
User Story Validation										
Test Practice Validation										
Sprint Planning										
Release / Deployment Planning										
OJT and KT Sessions										
Targeted KT										
Project Performance Metrics										
Organizational Maturity Metrics										
General Project Management										
Total Open Findings	11	8	8	8	10	8	8	9	8	8
Issue - high	4	4	4	4	4	2	1	2	1	1
Issue - medium	0	0	2	2	2	3	4	4	4	4
Issue - low	0	0	0	1	1	0	0	3	3	3
Risk - high	0	0	0	0	0	0	0	0	0	0
Risk - medium	2	4	0	0	0	0	0	0	0	0
Risk - low	4	0	1	0	0	0	0	0	0	0
Preliminary Concern	1	0	1	1	3	3	3	0	0	0





Solutions that Matter

ID	Date Identified	Finding	Finding Statement	Supporting Analysis	PCG Recommendation	Finding Update	Process Area	Finding Type	Priority	Status	Closure Reas	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	01/31/2020 - IV&V is closing this	Sprint Planning	Preliminary	N/A	Closed	Due to	Ramesh, Vijaya (PCG)
		project's sprint planning processes	investigating the	good, the project should be able to	should identify what feature	concern, and will be tracking items		Concern			multiple	
		and adoption of generally accepted	following topics as they	identify what feature enhancements will	enhancements will be targeted for	related to Definition of Done, roadmap,					new items	
		agile best practices.	relate to Sprint Planning	be targeted for each planned release.	each Release and should clearly	resourcing, and backlog grooming in					being	
			and the project's overall	This roadmap will help the project	map out the roadmap out through	new, separate findings.					tracked at a	
			approach to agile	manage scope and productivity.	the last Phase 3 release in						more	
			software development: -	Relatedly, the "definition done" is an	September 2020.Additionally, the						granular	
			IV&V acknowledges that	important artifact to ensure that the	project should clearly define						level, this	
			the project is now	project is successful. Otherwise, the	"Done" to ensure the project team						item has	
			planning three sprints	project will struggle to prioritize	is working towards the same goal						been	
			outs, however, it appears	requests/enhancements and manage	and increase opportunities for						closed.	
			that only a "high-level"	scope.	success. Having a clear "definition							
			sprint planning roadmap		of done" will help provide the							
			has been produced, and		project with guidance on how to							
			it is unclear exactly how		stay within scope.							
			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									
			4Additionally, in the									
			January 2020 reporting									
			period, IV&V will seek									
			additional information									
			and visibility into the									
			project's processes									
2.000	12/31/2019		R3.3 introduced a defect	Thorough vetting and validation of		12/31/2021 - R3.20 was promoted to	Test Practice Validation	Issue	Medium	Open		Darren Macdonald
		being consistently performed,	that deprecated features	regression test cases is necessary to	in AzureDevOps for test	production on 12/16/2021 with a few						
		production releases are breaking	in production specific to	prevent both defects and the	automation at the earliest possible	non-critical post-production defects						
		and/or deprecating existing	Integrated Support and	deprecation of production functionality	juncture and commence efforts to	identified after the production release.						
		functionality in the production	Life Trajectory	when a release is pushed live. When	automate at least the 2 primary	Overall regression testing continues to						
		environment.	functionality. DDD has	defects occur in production, the project	regression test scripts.	improve with each release.						
			informed IV&V that there are other examples of	should follow a defined and repeatable process for determining the root cause	IV&V recommends DDD and CAMHD to develop a common and	The Project continued to evaluate the EasyRepro and Eggplant tools for						
			functionality being	of the problem.	•							
			deprecated after a	or the problem.	consistent approach across divisions for performing regression	automated regression testing, however, available staffing for this effort is still a						
			release, some of which		testing.	roadblock to commencing this activity in						
			are still being		Determine if current regression	earnest. IV&V will continue to monitor						
			investigated. As of this		testing timeframes are adequate	this medium criticality issue.						
			report, IV&V has not		and if not, add more time to the	11/30/2021 - R3.19 was promoted to						
			evaluated the project's		pre-production regression test	production as a Full Solution Upgrade						
			root cause analysis (RCA)		efforts for all release deployments.	(FSU) on 11/14/2021. There were eight						
			process used to		Updating the regression test scripts	non-critical post-production issues that						
			determine why such		to ensure consistency with system	were a combination of coding and						
			functionality was		configuration.	promotional issues.						
			deprecated but will		Modifying release schedules to	The Project continued to evaluate the						
			discuss further with BHA		allow for regression testing	EasyRepro and Eggplant tools for						
			in January 2020.		timeframes	automated regression testing and a						
					Planning releases by functionality	demo of the Eggplant tool is currently						
					type to avoid unnecessary	being scheduled. IV&V will continue to						
					repetitive work being performed in	monitor this medium criticality finding.						
					any given section of the solution.	10/31/2021 - The project determined						
					Performing regression testing after	that a formal RCA was not warranted for						
					every release, or possibly every	R3.18, which was deployed into	l					

	12/31/2019	I I	DV0 V I	0	INVOVA	00/24/2020 11/81/:	Taxabad I/T	Di-L	Low	Closed	DCN4 bee	Darren Macdonald
3.000	12/31/2019	Usage of open source JavaScript	IV&V learned in	Open source tools and frameworks offer	IV&V recommends BHA work to	08/31/2020 - IV&V is unaware of any	Targeted KT	Risk	LOW			Darren Macdonald
		framework for development and	December 2019 that the	organizations great opportunities to	establish a reliable and repeatable	additional KT gaps being identified by					successfully	
		ongoing maintenance of Calculator		build and configure customized	process for keeping abreast of	DOH, and as such, is closing this					held several	
		3.0 requires BHA to take a	functionality is built in	-	communal updates and support	finding.07/31/2020 - The Project					KT sessions	
		proactive approach to support and		software purchase or licensing.	opportunities for a new suite of	resolved the majority of the outstanding					for this	
		security.	JavaScript framework. As	However, open source tools and	tools - CompletedIV&V	Calculator 3.0 defects during July which					technology	
			this framework is	frameworks often do not come with	recommends BHA continue to hold	was implemented in the mid-sprint					and	
			relatively new, the open	support models, other than those	targeted KT sessions with RSM on	release on 7/17/2020. The final					functionalit	
			source support	offered through the tool's community.	maintaining Calculator 3.0 via a	Calculator 3.0 Knowledge Transfer					y, and DOH	
			community is small.	Because of this, the organization bears	suite of tools, and determine what	session was conducted on 7/17/2020.					staff have	
			IV&V's concerns include:	the weight of seeking out reliable help	additional skillsets, training, and/or	IV&V recommends BHA to identify and					stated that	
			The availability of reliable	and support, as well as much take a	resources are needed to support	communicate any additional KT gaps to					it was well	
			support for Vue.JS - The	proactive approach to security and	BHA's long-term ownership of	RSM during the month of August. If no					received.	
			project's understanding	identifying any vulnerabilities in the	Calculator 3.0 - Completed	additional needs are identified, IV&V will						
			of any known	tools.	·	close this finding. 06/30/2020 - The						
			vulnerabilities with			project continued to focus attention on						
			Vue.JS, and development			the Calculator 3.0 defects during the						
			of a process to remain			month of June. RSM conducted another						
			current on vulnerabilities			Calculator 3.0 Knowledge Transfer						
			discovered by the			session on 6/26/2020 and scheduled a						
			support community			final session for 7/17/2020. 05/31/2020 -						
			The RSM lead for			The project continued to focus attention						
						' '						
			Calculator 3.0 went on			on the Calculator 3.0 user stories and						
			extended parental leave			defects during the month of May. RSM						
			in December 2019IV&V			conducted another Calculator 3.0						
			acknowledges that BHA			Knowledge Transfer session on						
			has downloaded Vue.JS			5/29/2020 which IV&V attended. This						
			to start getting familiar			session included the new C3.0 year-end						
4.000	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	Release/Deployment Pla	Issue	Medium		, ,	Darren Macdonald
		detailed deployment script, the	defects pushed to	documented deployment script is	deployment scripts for both the	as the related recommendations below			1		has been	
					1 ' '				1			
		project may continue to experience	production with Phase 3	needed to ensure the repeatability and	patch method and the full solution	has been completed. A subsequent					addressed	
		defects related to deployment	production with Phase 3 releases. Some of the	needed to ensure the repeatability and stability of DOH's production	1 ' '							
		1	ľ.		patch method and the full solution	has been completed. A subsequent					addressed and proposed	
		defects related to deployment	releases. Some of the	stability of DOH's production	patch method and the full solution upgrade method. The script(s)	has been completed. A subsequent medium issue finding (#19) has been					addressed and	
		defects related to deployment	releases. Some of the defects introduced to	stability of DOH's production deployments. Since there are currently	patch method and the full solution upgrade method. The script(s) should be in the form of a step-by-	has been completed. A subsequent medium issue finding (#19) has been opened to address ongoing deployment					addressed and proposed	
		defects related to deployment	releases. Some of the defects introduced to production have been	stability of DOH's production deployments. Since there are currently two deployment types (patches and full	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	has been completed. A subsequent medium issue finding (#19) has been opened to address ongoing deployment processes and technical execution issues.					addressed and proposed IV&V	
		defects related to deployment	releases. Some of the defects introduced to production have been narrowed down to environmental	stability of DOH's production deployments. Since there are currently two deployment types (patches and full solution upgrades), two scripts may be	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	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					addressed and proposed IV&V recommend	
		defects related to deployment	releases. Some of the defects introduced to production have been narrowed down to environmental	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	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	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.					addressed and proposed IV&V recommend ations have	
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		defects related to deployment	releases. Some of the defects introduced to production have been narrowed down to environmental promotional activities. In these instances, the DEV and TEST environments	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	patch method and the full solution upgrade method. The script(s) should be in the form of a step-bystep procedure that walks through from start to finish of the deployment process and involve several technical staff to ensure staff availability to accomplish	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					addressed and proposed IV&V recommend ations have been	
		defects related to deployment	releases. Some of the defects introduced to production have been narrowed down to environmental promotional activities. In these instances, the DEV and TEST environments	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	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	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					addressed and proposed IV&V recommend ations have been completed. A	
		defects related to deployment	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	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 deployments take	patch method and the full solution upgrade method. The script(s) should be in the form of a step-bystep 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	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					addressed and proposed IV&V recommend ations have been completed. A subsequent finding #19	
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			challenge the project's ability to fully achieve the goals of Phase 3.	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.	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.	IV&V recommends that the project create this document and socialize this with project team before end	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	of Done completed and socialized.	Ramesh, Vijaya (PCG)
6	.000	1/31/2020	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.		DDD groom the backlog to bring it as current and accurate as possible. This should include deprecating items no longer needed, and fully defining those items that are not yet fully defined, readying them for configuration or developer resources. To the extent feasible, BHA should involve RSM SMEs in this process, if only for the interim	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, however it is still in progress. The revised target date for completion was most recently	Project Management	Risk	Low	Closed	The project has demonstrat ed they are consistently grooming the backlog.	Darren Macdonald

Issue	High	Open		arren Macdonald
nent Preliminary	N/A	Closed	Product Ra	amesh, Vijaya (PCG)
Concern			Roadmap	
			aligned with	
			Definition	
			of Done	
		' ' '	' ' '	Concern Roadmap aligned with Definition

-	I	/24/2025			I	I		la	I=	I	0		
9.0	000 3		•	On 3/23/2020, the	DOH stakeholder participation in key		04/30/2021 - The Project continues to	Project Management	Risk	Low			Darren Macdonald
			•	Governor issued a "stay	activities could be significantly hindered,		maintain its ability to operate with staff					continues	
			• •	at home, work from	not only by required remote work by	stakeholders on remote work	working remotely, effectively overcoming					to maintain	
			. , ,	home order" that has	DOH and SI staff, but also by the flood of	devices and tools and make every	the "stay at home, work from home					its ability to	
			schedule and budget.	reduced state	activities that could occur as the	effort to help them to become	order" that reduced BHA's ability to be					operate	
				departments ability to be	department could become overwhelmed	highly functional with remote	fully functional in the office. The					with staff	
				fully functional as the	processing and providing services due to	access technology (e.g.	potential DDD and CAMHD budget					working	
				large majority of state	the resulting economic impacts to	MSTeams/Skype) - Completed-	challenges reported in March were also					remotely,	
				workers will be required	citizens. Some stakeholders may be	IV&V recommends the project and	overcome during April, providing fiscal					effectively	
				to work from	unable (due to stricter shutdown	DOH create a detailed,	relief to BHA. As such, IV&V is closing					overcoming	
				home/remotely at least	policies) or unwilling to perform these	documented risk mitigation	this finding.03/31/2021 - The Project					the "stay at	
						~	continued to maintain its ability to					home, work	
				some offices may be	Planned SI on-site visits will also likely be	, , , , , , , , , , , , , , , , , , ,	operate with staff working remotely,					from home	
				completely shut down	•		while COVID-related responsibilities					order" that	
				until that time as well.	the effectiveness of their project		continue to grow for CAMHD Leadership.					reduced	
				Unclear if the order will	activities. Going forward most if not all	next 6 to 12 months - In Progress -	The Governor announced that potential					BHA's	
				extend beyond that date.	project activities will more than likely be	-	furloughs and/or layoffs of State workers					ability to be	
				catena beyond that date.	conducted remotely until this crisis		will no longer be necessary based on the					fully	
					•	· ·	signing of the American Rescue Plan.					functional	
					'	· · ·	IV&V has reduced the priority of this					in the	
							' '					office. The	
						•	finding from Medium to Low and will						
						- '	continue to monitor moving forward.					potential	
							02/28/2021 - As reported in January,					DDD and	
							there were no substantive changes					CAMHD	
							observed for this finding in February. The					budget	
							Project continued to maintain its ability					challenges	
							to operate with staff working remotely.					reported in	
							IV&V continues to note that there may					March were	
10.	.000 5	/31/2020	The lack of design reviews for	There were a couple	If all requirements within a functional	IV&V recommends (and DOH has	07/31/2020 - The Project continues to to		Preliminary	N/A	Closed	This process	
			complex user stories has resulted	incidents during May	design are not met, users could	commenced) conducting technical	spend additional time on the designs of		Concern			change to	
			in the promotion of incomplete	where the code	experience the inability to complete	design reviews for complex user	complex user stories during June to					spend extra	
			solutions into production.	promoted to production	required processes, resulting in	stories prior to development to	ensure requirements and user story					time on the	
				did not fully meet all	incomplete data collection and potential	ensure designs are complete and	components were fully captured in					design of	
				requirements of	issues in service delivery.	all requirements associated with	design sessions. This process change has					complex	
				associated user stories		the design are met. IV&V observed	proven successful, and as such, IV&V					user stories	
				for CAMHD Progress		this activity has been implemented	recommends closing this					to ensure	
				Notes. The components		by DOH in the month of May.	concern.06/30/2020 - IV&V					that all	
				that were developed and] '	acknowledges the Project Team					requiremen	
				implemented were			continued to spend additional time on					ts are	
				functional, however the			the designs of complex user stories					represented	
				effort was complicated			during June to ensure requirements and					has proven	
				by additional			user story components were fully					to be	
				requirements being			captured in design sessions. IV&V will					successful.	
				added during			continue to monitor in July.					Successiul.	
				development that			continue to monitor in July.						
				necessitated additional									
				changes to the design.									
				IV&V will continue to									
				monitor the design									
				review activity for large									
				user stories moving									
				forward									

11 000	7/31/2020	DDD Project resource shortages	The user adoption and	The significance and impact of OCM can	IV/2V/ recommends that BHA does	03/31/2021 - The DDD staff who've been	Project Management	Risk	N/A	Closed	The DDD	Darren Macdonald
11.000	7/31/2020	may have a continued negative	training efforts are				r roject ivianagement	NISK	N/A	Cioseu	staff	Darren Macdonald
		effect on user adoption, training,	_	never be understated. It is clearly a best practice that best that all staff utilize the		part of the review process are pleased					who've	
			hampered based on	1"	'							
		and overall OCM activities.	staffing shortages. DDD	solution in the same manner. Variations		within the toolset and have determined					been part of	
			has stated that its users	1	,	that the toolset is a very helpful training					the review	
			have been found to not		toolsets to offset the need for in-	tool for DDD staff and providers. As					process are	
			be utilizing the system to	collection and analytical efforts using	person training, and adding staff as						pleased	
				the data collected.	needed to support OCM and	finding.02/28/2021 - Training videos					with the	
			of system workflow,		technical efforts. IV&V	using the new toolset were nearing					quality of	
			provide their insights and		recommends DOH perform a	completion by the end of February. DOH					the videos	
			input, follow up, etc. To		detailed investigation of the	is currently reviewing the drafts of the					produced	
			assist in OCM activities,		specific variations as to how the	second set of videos and work is					within the	
			DDD has defined the		system is currently being used by	progressing well. IV&V will continue to					toolset, and	
			need for an interactive		the user community. Consequently,	monitor this finding until DDD has had					have	
			training tool to support		users would be provided with	sufficient time to determine the overall					determined	
			Inspire.		constructive feedback on how the	quality of the training work products and					that the	
					system should be utilized where	whether the new toolset is addressing					toolset is a	
					gaps exist. This will likely lead to	user adoption and staffing shortages for					very helpful	
					additional refresher training to	these task efforts. 01/31/2021 - Training					training tool	
					close identified system knowledge	design activities using the interactive					for DDD	
					gaps.	training toolset commenced in January					staff and	
					J .	and has attained good progress. The use					providers.	
						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						
12.000	0 9/21/2020	DII/DHI data in non-production	IV/8 V has been made	Enilure to secure DII/DHI data legues the	IV/2 V recommends DOH consider		Project Management	Issue	Modium	Onon		Darron Macdonald
12.000	8/31/2020	PII/PHI data in non-production	IV&V has been made	Failure to secure PII/PHI data leaves the	IV&V recommends DOH consider	12/31/2021 - Again, there was no	Project Management	Issue	Medium	Open		Darren Macdonald
12.000	8/31/2020	PII/PHI data in non-production environments	aware that PII/PHI data	organization open to highly targeted	limiting the volume of	12/31/2021 - Again, there was no substantive change to this finding in	Project Management	Issue	Medium	Open		Darren Macdonald
12.000	8/31/2020		aware that PII/PHI data currently exist in a non-	organization open to highly targeted social engineering attacks, heavy	limiting the volume of environments with PII/PHI data and	12/31/2021 - Again, there was no substantive change to this finding in December. This effort continues to	Project Management	Issue	Medium	Open		Darren Macdonald
12.000	8/31/2020		aware that PII/PHI data currently exist in a non- production environment	organization open to highly targeted social engineering attacks, heavy regulatory fines, and loss of client trust	limiting the volume of environments with PII/PHI data and access necessary to support	12/31/2021 - Again, there was no substantive change to this finding in December. This effort continues to remain on hold until additional staff are	Project Management	Issue	Medium	Open		Darren Macdonald
12.000	8/31/2020		aware that PII/PHI data currently exist in a non- production environment to meet project needs.	organization open to highly targeted social engineering attacks, heavy	limiting the volume of environments with PII/PHI data and access necessary to support development work, which should	12/31/2021 - Again, there was no substantive change to this finding in December. This effort continues to remain on hold until additional staff are available to address this issue. IV&V	Project Management	Issue	Medium	Open		Darren Macdonald
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12.000	8/31/2020		aware that PII/PHI data currently exist in a non- production environment to meet project needs. Generally this is not a good security practice as the presence of PII/PHI	organization open to highly targeted social engineering attacks, heavy regulatory fines, and loss of client trust	limiting the volume of environments with PII/PHI data and access necessary to support development work, which should help minimize this risk. IV&V recommends if production data is necessary in any non-	12/31/2021 - Again, there was no substantive change to this finding in December. This effort continues to remain on hold until additional staff are available to address this issue. IV&V continues to note that a Security Assessment is planned for the first quarter of 2022, which will likely require	Project Management	Issue	Medium	Open		Darren Macdonald
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12.000	8/31/2020		aware that PII/PHI data currently exist in a non-production environment to meet project needs. Generally this is not a good security practice as the presence of PII/PHI data in non-production environments increases	organization open to highly targeted social engineering attacks, heavy regulatory fines, and loss of client trust	limiting the volume of environments with PII/PHI data and access necessary to support development work, which should help minimize this risk. V&V recommends if production data is necessary in any non-production environment that DOH establishes a plan for effectively	12/31/2021 - Again, there was no substantive change to this finding in December. This effort continues to remain on hold until additional staff are available to address this issue. IV&V continues to note that a Security Assessment is planned for the first quarter of 2022, which will likely require BHA to act on this finding. IV&V will continue to monitor this medium	Project Management	Issue	Medium	Open		Darren Macdonald
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13.000 8/31/2020	Desired and the second Author	The Business and the	The constant the latter of a set the land or one	IN COLUMN TO THE PROPERTY OF T	03/24/2024 Bar BUA this finding is a	Release/Deployment Pla	Dist.	N/A	Closed	eta dina di basa	Darren Macdonald
13.000 8/31/2020	Project not able to access Activity	The Project recently	The unavailability of activity logs may	IV&V recommends that DHS	03/31/2021 - Per BHA, this finding is no	Release/Deployment Pla	RISK	IN/A	Ciosea	-	Darren Macdonald
	Logs	deployed audit log	hamper the investigation of future	continues to collaborate with	longer an issue and recommends closure.					been	
		functionality into	security breaches.	Microsoft until the activity logging	IV&V is closing this finding.02/28/2021 -					resolved.	
		production whereby		feature is available in all BHA non-	BHA continued this effort in February						
		these logs can be		production environments.	despite a workaround being necessary						
		accessed and exported as			from Microsoft due to a layering issue.						
		needed. However, IV&V			Based on continued delays, it is unclear						
		was made aware access			when this important security activity will						
		to activity logging for			be completed. IV&V will continue to						
		users with just view			monitor this finding. (Per Kamu, this						
		permissions will not be			status information did not correctly						
		available from Microsoft			reflect the issue as the layering issue has						
		in the public sector			no relation to the activity						
		environment until the			logs.)01/31/2021 - The implementation						
		end of September 2020.			effort for this activity moved forward in						
		The unavailability of			January. Some of the entities will have						
		these specific activity			activity logging completed in the planned						
		logs could potentially			early February Release 3.12, while others						
		hamper the investigation			will be delayed until Release 3.13. IVV						
		of future security events			will continue to monitor. 12/31/2020 -						
		until implemented.			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 implemented.						
					11/30/2020 - The DOH technical team						
14.000 9/30/2020	Due to multiple quality concerns	System defects identified	The identified quality issues have	Evaluate existing project staff skills	12/31/2021 - R3 20 was promoted to	Project Management	Issue	Medium	Open		Darren Macdonald
14.000 9/30/2020	Due to multiple quality concerns,	System defects identified in August that affected		Evaluate existing project staff skills and experience level to ensure they	12/31/2021 - R3.20 was promoted to	Project Management	Issue	Medium	Open		Darren Macdonald
14.000 9/30/2020	the project may continue to face	in August that affected	negatively affected DOH billing	and experience level to ensure they	production on 12/16/2021 with a few	Project Management	Issue	Medium	Open		Darren Macdonald
14.000 9/30/2020		in August that affected claims were due to multi-	negatively affected DOH billing processes and DOH has stated these are	and experience level to ensure they meet BHA support requirements.	production on 12/16/2021 with a few non-critical post -production defects.	Project Management	Issue	Medium	Open		Darren Macdonald
14.000 9/30/2020	the project may continue to face	in August that affected claims were due to multi- faceted quality issues	negatively affected DOH billing processes and DOH has stated these are the most impactful defects discovered to	and experience level to ensure they meet BHA support requirements. Perform revenue neutrality fiscal	production on 12/16/2021 with a few non-critical post -production defects. Root cause analysis efforts for these	Project Management	Issue	Medium	Open		Darren Macdonald
14.000 9/30/2020	the project may continue to face	in August that affected claims were due to multi-faceted quality issues were individually	negatively affected DOH billing processes and DOH has stated these are	and experience level to ensure they meet BHA support requirements. Perform revenue neutrality fiscal balance testing on a quarterly basis	production on 12/16/2021 with a few non-critical post -production defects. Root cause analysis efforts for these defects are in progress. A total of 107.5	Project Management	Issue	Medium	Open		Darren Macdonald
14.000 9/30/2020	the project may continue to face	in August that affected claims were due to multi- faceted quality issues were individually addressed during this	negatively affected DOH billing processes and DOH has stated these are the most impactful defects discovered to	and experience level to ensure they meet BHA support requirements. Perform revenue neutrality fiscal balance testing on a quarterly basis to ensure revenues are as	production on 12/16/2021 with a few non-critical post -production defects. Root cause analysis efforts for these defects are in progress. A total of 107.5 USPs were promoted for this release as	Project Management	Issue	Medium	Open		Darren Macdonald
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Leadership is being hampered by provided with an activities could be significantly hindered opportunities to augment the Leadership time dedicated to the Project Leadership	
planning tasks and activities for approval to commence by the flood of activities that could occur management staffing for planning has returned to normal and expected time	planning tasks and activities for
assessing project expansion to planning efforts for as the department assesses expansion of Phase 4 and M&O work. levels. As such, IV&V is closing this	assessing project expansion to
other divisions. expansion of the project this project to the balance of divisions. finding. 05/31/2021 - As anticipated, to the	other divisions.
for ADAD and AMHD & CAMHD Leadership time spent on efforts project has	
HSH. CAMHD Leadership outside of the Inspire Project reduced returned to	
currently spends 25% of during May. This level of effort decreased	
their available time to approximately 10% of available time in	
time was spent on Phase 4 Planning,	
COVID Remediation, and the new Vaccine	
Registration application efforts. The	
CAMHD level of effort is anticipated to	
decrease to approximately 20% in May as	1 1
DOH has hired a Project Manager in April	
who will be dedicated to the Vaccine	
Registration Project, instead of BHA	
resources IV&V will continue to monitor	
assessing project expansion to other divisions. planning efforts for expansion of the project for ADAD and AMHD & HSH. CAMHD Leadership currently spends 25% of their available time planning efforts for expansion of the project to the balance of divisions. Phase 4 and M&O work. I 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	assessing project expansion to

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17.000 11/30/2020	Due to consistent technical issues	The IDM and Semantic	Default	IV&V recommends the project to	08/31/2021 -The number of issues	Release/Deployment Pla	Issue	N/A	Closed		Darren Macdonald
	requiring escalation to Microsoft,	layer efforts have		continue to monitor the status of	requiring assistance from Microsoft					of	
	some project efforts are being	experienced several		outstanding Microsoft tickets and	continues to remain limited, and as such,					interactions	
	delayed.	delays attributable to		to escalate the priority of these	IV&V is closing this finding. 07/31/2021 -					needed	
		issues escalated to		tickets as deemed necessary.	While the number of issues requiring					with	
		Microsoft. The issues			assistance from Microsoft remains					Microsoft	
		have ranged from			limited, interactions with Microsoft are					remains low	
		administrative /			increasing again due to the interface					and	
		communication (entering			functionality planned for implementation					manageable	
		issues into the			in the current and remaining DD&I					. This	
		Commercial support			releases. The FHIR API interface has					condition is	
		instance vs the			required multiple interactions with					no longer	
		Government Cloud			Microsoft that have resulted in					impeding	
		support instance), to			unplanned schedule slippages for the					project	
		several key technical			FHIR API implementation. IV&V will					progress.	
		issues requiring			continue to monitor this finding.						
		assistance to resolve. To			06/30/2021 - The number of issues						
		date, these support			requiring assistance from Microsoft						
		needs have added over a			continues to be low with only two known						
		month to the IDM and			items open. As such, IV&V is reducing						
		Semantic Layer project			the priority of this finding to low and will						
		schedules.			continue to monitor.05/31/2021 - There						
					is only one open Microsoft ticket						
					affecting the attachment of Claims to the						
					Batch. As such, IV&V is reducing the						
					criticality of this finding from High to						
					Medium and will continue to monitor.						
					04/30/2021 - BHA continues to work with						
10,000 12/21/2020	Durate an establishment	The section of the section of	Barantahia da surra satu da sala sara sa d	Second the second second		Dalagas /Dania magant Dia	I a a cons	Madium	0		Darran Mandanald
18.000 12/31/2020	Due to on-going deployment	There have been several	Repeatable documented release and	Ensure there are adequate and	12/31/2021 - R3.20 was promoted to	Release/Deployment Pla	Issue	Medium	Open		Darren Macdonald
18.000 12/31/2020	processes and technical execution	defects pushed to	deployment will help ensure that	qualified resources to support the	12/31/2021 - R3.20 was promoted to production on 12/16/2021 with a few	Release/Deployment Pla	Issue	Medium	Open		Darren Macdonald
18.000 12/31/2020	processes and technical execution issues, the Project may continue to	defects pushed to production with Phase 3	deployment will help ensure that mistakes are minimized, and that	qualified resources to support the current deployment processes. This	12/31/2021 - R3.20 was promoted to production on 12/16/2021 with a few non-critical post-production defects. To	Release/Deployment Pla	Issue	Medium	Open		Darren Macdonald
18.000 12/31/2020	processes and technical execution issues, the Project may continue to encounter defects and challenges	defects pushed to production with Phase 3 releases. Some of the	deployment will help ensure that mistakes are minimized, and that functionality is not mistakenly	qualified resources to support the current deployment processes. This may require the support from RSM	12/31/2021 - R3.20 was promoted to production on 12/16/2021 with a few non-critical post-production defects. To date, it is not known if these issues are	Release/Deployment Pla	Issue	Medium	Open		Darren Macdonald
18.000 12/31/2020	processes and technical execution issues, the Project may continue to encounter defects and challenges in meeting projected timelines for	defects pushed to production with Phase 3 releases. Some of the defects introduced to	deployment will help ensure that mistakes are minimized, and that functionality is not mistakenly deprecated when deployments take	qualified resources to support the current deployment processes. This may require the support from RSM resources to provide assistance and	12/31/2021 - R3.20 was promoted to production on 12/16/2021 with a few non-critical post-production defects. To date, it is not known if these issues are related to the deployment as RCA efforts	Release/Deployment Pla	Issue	Medium	Open		Darren Macdonald
18.000 12/31/2020	processes and technical execution issues, the Project may continue to encounter defects and challenges in meeting projected timelines for production and non-production	defects pushed to production with Phase 3 releases. Some of the defects introduced to production have been	deployment will help ensure that mistakes are minimized, and that functionality is not mistakenly	qualified resources to support the current deployment processes. This may require the support from RSM resources to provide assistance and knowledge transfer for some of the	12/31/2021 - R3.20 was promoted to production on 12/16/2021 with a few non-critical post-production defects. To date, it is not known if these issues are related to the deployment as RCA efforts are in progress. IV&V is concerned that 2	Release/Deployment Pla	Issue	Medium	Open		Darren Macdonald
18.000 12/31/2020	processes and technical execution issues, the Project may continue to encounter defects and challenges in meeting projected timelines for	defects pushed to production with Phase 3 releases. Some of the defects introduced to production have been narrowed down to	deployment will help ensure that mistakes are minimized, and that functionality is not mistakenly deprecated when deployments take	qualified resources to support the current deployment processes. This may require the support from RSM resources to provide assistance and knowledge transfer for some of the more complex deployment	12/31/2021 - R3.20 was promoted to production on 12/16/2021 with a few non-critical post-production defects. To date, it is not known if these issues are related to the deployment as RCA efforts are in progress. IV&V is concerned that 2 of the 3 primary technical staff	Release/Deployment Pla	Issue	Medium	Open		Darren Macdonald
18.000 12/31/2020	processes and technical execution issues, the Project may continue to encounter defects and challenges in meeting projected timelines for production and non-production	defects pushed to production with Phase 3 releases. Some of the defects introduced to production have been narrowed down to environmental	deployment will help ensure that mistakes are minimized, and that functionality is not mistakenly deprecated when deployments take	qualified resources to support the current deployment processes. This may require the support from RSM resources to provide assistance and knowledge transfer for some of the more complex deployment components.	12/31/2021 - R3.20 was promoted to production on 12/16/2021 with a few non-critical post-production defects. To date, it is not known if these issues are related to the deployment as RCA efforts are in progress. IV&V is concerned that 2 of the 3 primary technical staff responsible for promotional activities will	Release/Deployment Pla	Issue	Medium	Open		Darren Macdonald
18.000 12/31/2020	processes and technical execution issues, the Project may continue to encounter defects and challenges in meeting projected timelines for production and non-production	defects pushed to production with Phase 3 releases. Some of the defects introduced to production have been narrowed down to environmental promotional activities. In	deployment will help ensure that mistakes are minimized, and that functionality is not mistakenly deprecated when deployments take	qualified resources to support the current deployment processes. This may require the support from RSM resources to provide assistance and knowledge transfer for some of the more complex deployment components. Work in collaboration with RSM to	12/31/2021 - R3.20 was promoted to production on 12/16/2021 with a few non-critical post-production defects. To date, it is not known if these issues are related to the deployment as RCA efforts are in progress. IV&V is concerned that 2 of the 3 primary technical staff responsible for promotional activities will be unavailable to support the project;	Release/Deployment Pla	Issue	Medium	Open		Darren Macdonald
18.000 12/31/2020	processes and technical execution issues, the Project may continue to encounter defects and challenges in meeting projected timelines for production and non-production	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	deployment will help ensure that mistakes are minimized, and that functionality is not mistakenly deprecated when deployments take	qualified resources to support the current deployment processes. This may require the support from RSM resources to provide assistance and knowledge transfer for some of the more complex deployment components. Work in collaboration with RSM to establish a transition plan for DOH	12/31/2021 - R3.20 was promoted to production on 12/16/2021 with a few non-critical post-production defects. To date, it is not known if these issues are related to the deployment as RCA efforts are in progress. IV&V is concerned that 2 of the 3 primary technical staff responsible for promotional activities will be unavailable to support the project; one through early April, and the other	Release/Deployment Pla	Issue	Medium	Open		Darren Macdonald
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19.000	3/28/2021	The pending RSM contract expiration will require BHA to	The RSM contract for Phase 3 is currently	DOH needs to be in a position to completely stand on its own without the	Work hand in hand with RSM to ensure that DOH has the	05/31/2021 - Per CAMHD, the RSM contract amendments to extend the	Project Management	Preliminary Concern	N/A	Closed	The RSM amendment	Vic Dudoit
		perform transition of the D365	planned to complete in	assistance of vendor support by fall of		DD&I effort (Mod 5) to the end of		Concern			s were fully	
		solution to the State prior to	September 2021. BHA	2021. If DOH is not in a position to	to perform all aspects of the	December 2021 and also provide M&O					executed in	
		contract end.	will need a transition	solely take on the development of user		services (Mod 6) through May 2022 were					May 2021.	
		Contract end.	plan to ensure that it has	stories, testing, regression testing,		fully executed in May. IV&V is closing					IVIAY 2021.	
			all knowledge transfer	deployment, and the support and	time than planned, consider	this preliminary concern. 04/30/2021 -						
			and is fully capable of	maintenance of the entire system, there	1	The RSM contract amendment is still						
			managing all aspects of	is a risk that environment stability may	less releases in the summer	pending approval. This amendment will						
			supporting and	be challenged.	months as the transition off of	extend the DD&I effort (Mod 5) to the						
			maintaining the D365	be chanenged.	vendor support approaches.	end of December 2021 and will also						
			solution without vendor		vendor support approaches.	provide M&O services (Mod 6) through						
			support until at least the			May 2022. Mod 5 is expected to be						
			Phase 4 expansion effort			approved in May 2021. This will delay the						
			is procured and initiated.			near-term need for a Transition Plan until						
			The Phase 4 effort is			first quarter 2022. IV&V will continue to						
			currently expected to			monitor this finding.						
			commence late in the 4th									
			quarter of 2021, or early									
			in the first quarter of									
			2022. The Phase 4									
			procurement scope is									
			planned to include									
			additional DD&I									
			activities, as well as M&O									
			support activities.									
20,000	4/30/2021	The DDD Project Manager will be	The DDD Project	The DDD Project Manager is critical to all	1) IVEV recommends DDD to	08/31/2021 - The DDD Project Manager	Project Management	Issue	N/A	Closed	The DDD	Darren Macdonald
20.000	4/30/2021	on leave and unavailable to the	Manager performs most	daily project interactions affecting DDD	continue to look for opportunities	returned from her absence, alleviating	Project ivialiagement	issue	IN/A	Cioseu	Project	Darren Macdonald
		project starting in May.	of the project duties on	from a functional and managerial	to augment the existing technical	the DDD technical staff					Manager	
		project starting in way.	behalf of DDD and her	perspective. If her duties are not re-	staff in order to fully support	bandwidth/workload challenges. IV&V is					has	
			absence may cause an	assigned to capable staff prior to her	current DDI project work.2) IV&V	closing this finding.07/31/2021 - The					returned	
			increased level of risk to	planned absence, DDD will be in a	recommends DDD to consider	DDD technical staff continued to face					from her	
			the project. DDD has	challenged position to effectively	augmenting their current	bandwidth/workload challenges during					leave, fully	
			commenced planning	contribute to at least the next several	T	the month of July. Fortunately, the DDD					mitigating	
			efforts and has assigned	releases.	their technical staff to focus on	Project Manager is scheduled to return to					this issue.	
			staff to backfill her,		technical duties.	work on 8/2/2021 allowing the technical						
			although they are			staff to return fully to their technical						
			currently assigned to			responsibilities.06/30/2021 - The						
			other project tasks and			absence of the DDD Project Manager						
			activities. IV&V will			continues to cause bandwidth/workload						
			continue to monitor this			challenges for DDD technical staff. Time						
			preliminary concern.			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						
1						bandwidth/workload challenges for DDD	I					
1						technical staff.						

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21.000 6/30/2021	Unplanned rework may have an		Release defect metrics for unplanned	Reduce the amount of unplanned	12/31/2021 - The percentage of defects	Project Management	Issue	Low	Open	Darren Macdonald
	impact on delivering DDI	unplanned rework may	rework has been 30-40% of the total	rework by continuing to focus on	vs planned user stories and requests rose					
	Functionality by the end of the DDI	· ·	USPs for the last few releases.	quality improvement measures.	slightly during December. The defect					
	period.	delivering planned DDI		Strive for defect performance	percentage was 29% in the December					
		functionality with only 4		metric not to exceed 20% of all	release which is close to the target of ≤					
		possible DDI releases		user story points in any given	20% of the USPs deployed to production.					
		remaining for		release.	IV&V will continue to monitor this low					
		completion.			criticality issue.					
					11/30/2021 - The percentage of defects					
					vs planned user stories and requests					
					continued to improve during November.					
					The defect percentage (26%) in					
					November was lower than it has been in					
					any of the previous 4 months and is close					
					to the target of 20% or less of the USP's					
					deployed to production. IV&V will					
					continue to monitor this finding.					
					10/31/2021 - There were no substantive					
					changes to this finding during October					
					and there was not a planned release in					
					October to measure defect percentages.					
					IV&V is moving this preliminary finding					
					to a low issue and will continue to					
					monitor unplanned rework and defects.					
					09/30/2021 - Defect resolution remained					
					at 38% of all delivered user story points					
					during August and September. While					
					slightly improved over previous months,				-	
22.000 7/30/2021	The project schedules for 'big	The FHIR interface and	Weekly RSM Status Report	Extend the current DDI timeframe	12/31/2021 - 'Big Boulder' prioritized	Project Management	Issue	Low	Open	Darren Macdonald
22.000 7/30/2021	boulder' interface functionality	CAFAS interface are	Weekly RSM Status Report	to allow for the completion of 'big	12/31/2021 - 'Big Boulder' prioritized features/functionality implementation	Project Management	Issue	Low	Open	Darren Macdonald
22.000 7/30/2021		CAFAS interface are currently at risk of not	Weekly RSM Status Report	to allow for the completion of 'big boulder' interfaces functionality	12/31/2021 - 'Big Boulder' prioritized features/functionality implementation schedules continued to slip during		Issue	Low	Open	Darren Macdonald
22.000 7/30/2021	boulder' interface functionality	CAFAS interface are currently at risk of not making the planned		to allow for the completion of 'big boulder' interfaces functionality development.	12/31/2021 - 'Big Boulder' prioritized features/functionality implementation schedules continued to slip during December, largely due to interface delays		Issue	Low	Open	Darren Macdonald
22.000 7/30/2021	boulder' interface functionality	CAFAS interface are currently at risk of not making the planned R3.17 release. The Single		to allow for the completion of 'big boulder' interfaces functionality development. BHA to add more resources to	12/31/2021 - 'Big Boulder' prioritized features/functionality implementation schedules continued to slip during December, largely due to interface delays working with multiple third-party		Issue	Low	Open	Darren Macdonald
22.000 7/30/2021	boulder' interface functionality	CAFAS interface are currently at risk of not making the planned R3.17 release. The Single Sign on components of		to allow for the completion of 'big boulder' interfaces functionality development. BHA to add more resources to support the development of "big	12/31/2021 - 'Big Boulder' prioritized features/functionality implementation schedules continued to slip during December, largely due to interface delays working with multiple third-party entities.		Issue	Low	Open	Darren Macdonald
22.000 7/30/2021	boulder' interface functionality	CAFAS interface are currently at risk of not making the planned R3.17 release. The Single Sign on components of the HHIE interface are		to allow for the completion of 'big boulder' interfaces functionality development. BHA to add more resources to	12/31/2021 - 'Big Boulder' prioritized features/functionality implementation schedules continued to slip during December, largely due to interface delays working with multiple third-party entities. The ePrescribe effort has been re-		Issue	Low	Open	Darren Macdonald
22.000 7/30/2021	boulder' interface functionality	CAFAS interface are currently at risk of not making the planned R3.17 release. The Single Sign on components of the HHIE interface are also currently at risk of		to allow for the completion of 'big boulder' interfaces functionality development. BHA to add more resources to support the development of "big	12/31/2021 - 'Big Boulder' prioritized features/functionality implementation schedules continued to slip during December, largely due to interface delays working with multiple third-party entitites. The ePrescribe effort has been rescheduled for R3.22. The CAFAS interface		Issue	Low	Open	Darren Macdonald
22.000 7/30/2021	boulder' interface functionality	CAFAS interface are currently at risk of not making the planned R3.17 release. The Single Sign on components of the HHIE interface are also currently at risk of not making the planned		to allow for the completion of 'big boulder' interfaces functionality development. BHA to add more resources to support the development of "big	12/31/2021 - 'Big Boulder' prioritized features/functionality implementation schedules continued to slip during December, largely due to interface delays working with multiple third-party entities. The ePrescribe effort has been rescheduled for R3.22. The CAFAS interface and the HHIE ADT Interface have both		Issue	Low	Open	Darren Macdonald
22.000 7/30/2021	boulder' interface functionality	CAFAS interface are currently at risk of not making the planned R3.17 release. The Single Sign on components of the HHIE interface are also currently at risk of not making the planned R3.17 release, and the		to allow for the completion of 'big boulder' interfaces functionality development. BHA to add more resources to support the development of "big	12/31/2021 - 'Big Boulder' prioritized features/functionality implementation schedules continued to slip during December, largely due to interface delays working with multiple third-party entities. The ePrescribe effort has been rescheduled for R3.22. The CAFAS interface and the HHIE ADT Interface have both been re-scheduled for R3.22 or R3.23.		Issue	Low	Open	Darren Macdonald
22.000 7/30/2021	boulder' interface functionality	CAFAS interface are currently at risk of not making the planned R3.17 release. The Single Sign on components of the HHIE interface are also currently at risk of not making the planned R3.17 release, and the ADT/Labs components		to allow for the completion of 'big boulder' interfaces functionality development. BHA to add more resources to support the development of "big	12/31/2021 - 'Big Boulder' prioritized features/functionality implementation schedules continued to slip during December, largely due to interface delays working with multiple third-party entities. The ePrescribe effort has been rescheduled for R3.22. The CAFAS interface and the HHIE ADT Interface have both been re-scheduled for R3.22 or R3.23. The Provider Interface Files effort is		Issue	Low	Open	Darren Macdonald
22.000 7/30/2021	boulder' interface functionality	CAFAS interface are currently at risk of not making the planned R3.17 release. The Single Sign on components of the HHIE interface are also currently at risk of not making the planned R3.17 release, and the ADT/Labs components have already missed		to allow for the completion of 'big boulder' interfaces functionality development. BHA to add more resources to support the development of "big	12/31/2021 - 'Big Boulder' prioritized features/functionality implementation schedules continued to slip during December, largely due to interface delays working with multiple third-party entities. The ePrescribe effort has been rescheduled for R3.22. The CAFAS interface and the HHIE ADT Interface have both been re-scheduled for R3.22 or R3.23. The Provider Interface Files effort is currently in a TBD status as a change in		Issue	Low	Open	Darren Macdonald
22.000 7/30/2021	boulder' interface functionality	CAFAS interface are currently at risk of not making the planned R3.17 release. The Single Sign on components of the HHIE interface are also currently at risk of not making the planned R3.17 release, and the ADT/Labs components have already missed needed intermediate		to allow for the completion of 'big boulder' interfaces functionality development. BHA to add more resources to support the development of "big	12/31/2021 - 'Big Boulder' prioritized features/functionality implementation schedules continued to slip during December, largely due to interface delays working with multiple third-party entities. The ePrescribe effort has been rescheduled for R3.22. The CAFAS interface and the HHIE ADT Interface have both been re-scheduled for R3.22 or R3.23. The Provider Interface Files effort is currently in a TBD status as a change in approach to developing an API is being		Issue	Low	Open	Darren Macdonald
22.000 7/30/2021	boulder' interface functionality	CAFAS interface are currently at risk of not making the planned R3.17 release. The Single Sign on components of the HHIE interface are also currently at risk of not making the planned R3.17 release, and the ADT/Labs components have already missed needed intermediate target dates for the		to allow for the completion of 'big boulder' interfaces functionality development. BHA to add more resources to support the development of "big	12/31/2021 - 'Big Boulder' prioritized features/functionality implementation schedules continued to slip during December, largely due to interface delays working with multiple third-party entities. The ePrescribe effort has been rescheduled for R3.22. The CAFAS interface and the HHIE ADT Interface have both been re-scheduled for R3.22 or R3.23. The Provider Interface Files effort is currently in a TBD status as a change in approach to developing an API is being considered. The 270/271 Medicaid		Issue	Low	Open	Darren Macdonald
22.000 7/30/2021	boulder' interface functionality	CAFAS interface are currently at risk of not making the planned R3.17 release. The Single Sign on components of the HHIE interface are also currently at risk of not making the planned R3.17 release, and the ADT/Labs components have already missed needed intermediate target dates for the planned R3.17 release.		to allow for the completion of 'big boulder' interfaces functionality development. BHA to add more resources to support the development of "big	12/31/2021 - 'Big Boulder' prioritized features/functionality implementation schedules continued to slip during December, largely due to interface delays working with multiple third-party entities. The ePrescribe effort has been rescheduled for R3.22. The CAFAS interface and the HHIE ADT Interface have both been re-scheduled for R3.22 or R3.23. The Provider Interface Files effort is currently in a TBD status as a change in approach to developing an API is being considered. The 270/271 Medicaid Eligibility Interface with MQD is also in a		Issue	Low	Open	Darren Macdonald
22.000 7/30/2021	boulder' interface functionality	CAFAS interface are currently at risk of not making the planned R3.17 release. The Single Sign on components of the HHIE interface are also currently at risk of not making the planned R3.17 release, and the ADT/Labs components have already missed needed intermediate target dates for the planned R3.17 release. The Project will need to		to allow for the completion of 'big boulder' interfaces functionality development. BHA to add more resources to support the development of "big	12/31/2021 - 'Big Boulder' prioritized features/functionality implementation schedules continued to slip during December, largely due to interface delays working with multiple third-party entities. The ePrescribe effort has been rescheduled for R3.22. The CAFAS interface and the HHIE ADT Interface have both been re-scheduled for R3.22 or R3.23. The Provider Interface Files effort is currently in a TBD status as a change in approach to developing an API is being considered. The 270/271 Medicaid Eligibility Interface with MQD is also in a TBD status as of the end of December.		Issue	Low	Open	Darren Macdonald
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23.000 7/31/2021	The current DDI period expires at	The current Project	Existing contractual agreements.	Obtain IAPDU approval from CMS.	12/31/2021 - There were no substantive	Project Management	Issue	Low	Open		Darren Macdonald
25.000 775172021	the end of December 2021 which	Staffing Model shows a	Lxisting contractual agreements.	Obtain IAI Do approval from civis.	changes to this finding observed during	Troject Management	13300	1000	Орен		Darren Macaonaia
	will require RSM to transition of	planned reduction in			December as BHA continues to pursue						
	the D365 solution to the State prior	ll'			CMS Federal funding approval for						
	to contract end.	starting in September			extending DD&I through October 2022						
	to contract that	2021 through December			followed by M&O through September						
		2021. Prior to this			2024. IV&V will continue to monitor this						
		timeframe, BHA should			finding until Federal funding approved.						
		commence the			11/30/2021 - There were no substantive						
		development of a			changes to this finding observed during						
		transition plan to ensure			November. In late October, PAC						
		the appropriate			approved the funding request for						
		replacement State			extending DD&I through October 2022						
		resources are			followed by M&O through May 2023.						
		identified/secured and			IAPDU submittal and approval is still						
		the necessary knowledge			needed to secure Federal funding.						
		transfer sessions are			10/31/2021 - Near the end of October,						
		planned and executed			the PAC approved the funding request						
		with RSM. BHA will need			for extending DD&I through October						
		to be sure they are ready			2022, followed by M&O through May						
		to take on the			2023. IAPDU submittal and approval is						
		development of user			still needed to secure Federal funding.						
		stories, testing,			09/30/2021 - The Project continues						
		deployment, and the			discussions for extending the DD&I effort						
		support and maintenance			while the previously planned slowdown						
		of the entire system by			of DD&I work continues through the						
		the end of the DDI period			remainder of the 2021 calendar year. A						
		(December 2021).			new IAPDU is being developed for						
24.000 10/29/2021	The R3.19 Solution Upgrade	Solution upgrades are	Daily Scrum Reporting	Ensure there are adequate and	11/20/2021 B2 10as musmosted to	Project Management	Issue	High	Closed	Taabaiaal	
	The No.13 Solution Opprade	Solution upgrades are	Daily Scrutti Reporting	Elisure there are adequate and	11/30/2021 - R3.19 was promoted to	Projectivianagement	issue	liligii	Closeu	Technical	
	technical issues are delaying the	essential for keeping the	Daily Scruin Reporting	qualified resources to support the	production as an FSU on 11/14/2021 and	Project Management	issue	Ingii		issue	
	1	essential for keeping the	Daily Scrutti Reporting	•		Project Management	issue	ingii			
	technical issues are delaying the	essential for keeping the	Daily Scrull Reporting	qualified resources to support the	production as an FSU on 11/14/2021 and	Project Management	issue	Tingti		issue	
	technical issues are delaying the implementation of the release and	essential for keeping the system current in order	pany scrum reporting	qualified resources to support the current Solution Upgrade	production as an FSU on 11/14/2021 and access to the development and test	Project Management	issue	Tilgii		issue resolved	
	technical issues are delaying the implementation of the release and the ability for staff to develop and	essential for keeping the system current in order to gain access to new	pany scrum reporting	qualified resources to support the current Solution Upgrade processes. This may require the	production as an FSU on 11/14/2021 and access to the development and test environments was again restored.	Project Management	Issue	Tilgii		issue resolved and were	
	technical issues are delaying the implementation of the release and the ability for staff to develop and	essential for keeping the system current in order to gain access to new features that enhance	Daily Scruiii Neporting	qualified resources to support the current Solution Upgrade processes. This may require the support from RSM resources to	production as an FSU on 11/14/2021 and access to the development and test environments was again restored. Because the solution upgrade was the	Project Management	Issue	Tilgii		issue resolved and were attributed	
	technical issues are delaying the implementation of the release and the ability for staff to develop and	essential for keeping the system current in order to gain access to new features that enhance productivity, eliminate bottlenecks and govern sensitive information.	Daily Scruiii Neporting	qualified resources to support the current Solution Upgrade processes. This may require the support from RSM resources to provide assistance and knowledge	production as an FSU on 11/14/2021 and access to the development and test environments was again restored. Because the solution upgrade was the first in five (5) releases, the deployment		issue	Tilgii		issue resolved and were attributed to the	
	technical issues are delaying the implementation of the release and the ability for staff to develop and	essential for keeping the system current in order to gain access to new features that enhance productivity, eliminate bottlenecks and govern	pany scrum reporting	qualified resources to support the current Solution Upgrade processes. This may require the support from RSM resources to provide assistance and knowledge transfer.	production as an FSU on 11/14/2021 and access to the development and test environments was again restored. Because the solution upgrade was the first in five (5) releases, the deployment process took approximately 12 hours.		issue	Tilgii		issue resolved and were attributed to the following: • Import of solution	
	technical issues are delaying the implementation of the release and the ability for staff to develop and	essential for keeping the system current in order to gain access to new features that enhance productivity, eliminate bottlenecks and govern sensitive information. The current R3.19 solution upgrade work	Daily Scruiii Neporting	qualified resources to support the current Solution Upgrade processes. This may require the support from RSM resources to provide assistance and knowledge transfer. As appropriate, consult with RSM on best practices that BHA could employ to support the Solution	production as an FSU on 11/14/2021 and access to the development and test environments was again restored. Because the solution upgrade was the first in five (5) releases, the deployment process took approximately 12 hours. This issue did have an impact both on the amount of DDI functionality (reduced) included in downstream releases and		issue	Tilgii		issue resolved and were attributed to the following: • Import of solution taking 1-2	
	technical issues are delaying the implementation of the release and the ability for staff to develop and	essential for keeping the system current in order to gain access to new features that enhance productivity, eliminate bottlenecks and govern sensitive information. The current R3.19 solution upgrade work efforts that includes	pany scrum reporting	qualified resources to support the current Solution Upgrade processes. This may require the support from RSM resources to provide assistance and knowledge transfer. As appropriate, consult with RSM on best practices that BHA could	production as an FSU on 11/14/2021 and access to the development and test environments was again restored. Because the solution upgrade was the first in five (5) releases, the deployment process took approximately 12 hours. This issue did have an impact both on the amount of DDI functionality (reduced) included in downstream releases and cost implications. IV&V has closed this		issue	111811		resolved and were attributed to the following: Import of solution taking 1-2 hours,	
	technical issues are delaying the implementation of the release and the ability for staff to develop and	essential for keeping the system current in order to gain access to new features that enhance productivity, eliminate bottlenecks and govern sensitive information. The current R3.19 solution upgrade work efforts that includes patches for 5 releases	Daily Scruiii Reporting	qualified resources to support the current Solution Upgrade processes. This may require the support from RSM resources to provide assistance and knowledge transfer. As appropriate, consult with RSM on best practices that BHA could employ to support the Solution	production as an FSU on 11/14/2021 and access to the development and test environments was again restored. Because the solution upgrade was the first in five (5) releases, the deployment process took approximately 12 hours. This issue did have an impact both on the amount of DDI functionality (reduced) included in downstream releases and cost implications. IV&V has closed this finding, as it was alleviated by the R3.19		issue	111811		resolved and were attributed to the following: Import of solution taking 1-2 hours, timed out in	
	technical issues are delaying the implementation of the release and the ability for staff to develop and	essential for keeping the system current in order to gain access to new features that enhance productivity, eliminate bottlenecks and govern sensitive information. The current R3.19 solution upgrade work efforts that includes patches for 5 releases (R3.15-R3.19) is causing	Daily Scrum reporting	qualified resources to support the current Solution Upgrade processes. This may require the support from RSM resources to provide assistance and knowledge transfer. As appropriate, consult with RSM on best practices that BHA could employ to support the Solution	production as an FSU on 11/14/2021 and access to the development and test environments was again restored. Because the solution upgrade was the first in five (5) releases, the deployment process took approximately 12 hours. This issue did have an impact both on the amount of DDI functionality (reduced) included in downstream releases and cost implications. IV&V has closed this finding, as it was alleviated by the R3.19 release on 11/14/2021.		issue	111811		issue resolved and were attributed to the following: • Import of solution taking 1-2 hours, timed out in PROD, so	
	technical issues are delaying the implementation of the release and the ability for staff to develop and	essential for keeping the system current in order to gain access to new features that enhance productivity, eliminate bottlenecks and govern sensitive information. The current R3.19 solution upgrade work efforts that includes patches for 5 releases (R3.15-R3.19) is causing technical issues. As a	Daily Scrum Reporting	qualified resources to support the current Solution Upgrade processes. This may require the support from RSM resources to provide assistance and knowledge transfer. As appropriate, consult with RSM on best practices that BHA could employ to support the Solution	production as an FSU on 11/14/2021 and access to the development and test environments was again restored. Because the solution upgrade was the first in five (5) releases, the deployment process took approximately 12 hours. This issue did have an impact both on the amount of DDI functionality (reduced) included in downstream releases and cost implications. IV&V has closed this finding, as it was alleviated by the R3.19 release on 11/14/2021. 10/31/2021 - Due to the current R3.19		issue	111811		issue resolved and were attributed to the following: • Import of solution taking 1-2 hours, timed out in PROD, so had to	
	technical issues are delaying the implementation of the release and the ability for staff to develop and	essential for keeping the system current in order to gain access to new features that enhance productivity, eliminate bottlenecks and govern sensitive information. The current R3.19 solution upgrade work efforts that includes patches for 5 releases (R3.15-R3.19) is causing technical issues. As a result, R3.19+		qualified resources to support the current Solution Upgrade processes. This may require the support from RSM resources to provide assistance and knowledge transfer. As appropriate, consult with RSM on best practices that BHA could employ to support the Solution	production as an FSU on 11/14/2021 and access to the development and test environments was again restored. Because the solution upgrade was the first in five (5) releases, the deployment process took approximately 12 hours. This issue did have an impact both on the amount of DDI functionality (reduced) included in downstream releases and cost implications. IV&V has closed this finding, as it was alleviated by the R3.19 release on 11/14/2021. 10/31/2021 - Due to the current R3.19 Solution Upgrade technical issues, staff		issue	111811		issue resolved and were attributed to the following: Import of solution taking 1-2 hours, timed out in PROD, so had to restore and	
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