

OFFICE OF ENTERPRISE TECHNOLOGY SERVICES

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May 11, 2021

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

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

Dear President Kouchi, Speaker Saiki, and Members of the Legislature:

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

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

Sincerely,

DOUGLAS MURDOCK Chief Information Officer State of Hawai'i

Attachment (2)



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

Final IV&V Report for the period of

April 1 – April 30, 2021

Final submitted: May 10, 2021



Agenda

Executive Summary

IV&V Findings & Recommendations

Appendices

- A Rating Scales
- B Inputs
- C Project Trends





Executive Summary

The Project successfully deployed Release 3.14 (R3.14) to production on 4/11/2021 with minimal defects. Several R3.12 Root Cause Analysis (RCA) action items were prioritized in April and are in the queue for execution to address issues in the areas of deployment and vendor (Microsoft) issues. Other RCA mitigating action items have yet to be prioritized. The Project Team has incorporated into the release process an on-going post-production deployment debrief and has made updates to the DevOps Tool to include fields for continued tracking and logging of RCA information.

Work for R3.15 is being regression tested in preparation for the upcoming production release starting on 5/6/21.

IV&V will continue to monitor the other high criticality findings for release deployment, regression testing, quality and Microsoft issues. We encourage the Project to consider our recommendations to mitigate risk and avoid the reoccurrence of issues in upcoming planned releases.

| Feb | Mar | Apr | Category | IV&V Observations |
|--|-----------------|---|--|--|
| Planning permanently support BHA's technical needs. CAMHD's recruitment activities open IT Technician position are on a temporary freeze. BHA continues to take lead responsibilities in the areas of user story ownership and performing code. | | IV&V continues to recommend the need for skilled MS Dynamics resources to permanently support BHA's technical needs. CAMHD's recruitment activities for their open IT Technician position are on a temporary freeze. BHA continues to take on more lead responsibilities in the areas of user story ownership and performing code reviews. The rating for this category remains Yellow (medium criticality) for the April reporting period. IV&V will continue to monitor this category moving forward. | | |
| G | (low criticalit | | _ | There are no active findings in User Story (US) Validation category which remains Green (low criticality) for the April reporting period. IV&V will continue to monitor the US development and validation process in upcoming reporting periods. |
| R R Test Practice Validation | | | The project deployed R3.14 to production in April. BHA planning efforts to develop automated regression test scripts continues. The rating for this category remains Red (high) for the April reporting period. IV&V will continue to monitor this category in upcoming reporting periods. | |



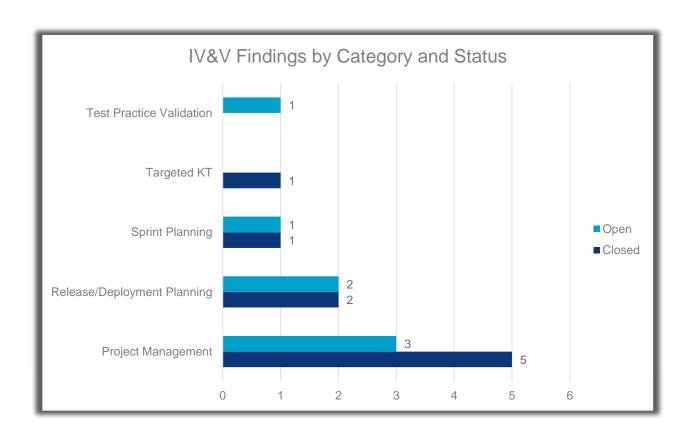
Executive Summary

| Feb | Mar | Apr | Category | IV&V Observations | |
|-----|-----|-----|--|--|--|
| R | R | R | Release / Deployment Planning | The criticality rating for this category remains Red (high) for the April reporting period. An RCA action item for mitigating issues with deployments has been prioritized and is in the queue for execution. IV&V will continue to monitor this category in May. | |
| G | G | G | OJT and KT Sessions | The criticality rating for the OJT and KT Sessions category remains Green (low) for the April reporting period with no active findings. | |
| G | G | G | Targeted KT | There are no active findings in this category which remains Green (low criticality) for the April reporting period. IV&V will continue to monitor this category moving forward. | |
| G | G | G | Project Performance Metrics | The Project met its performance metrics for R3.14. IV&V will keep the criticality rating for this category a Green (low) and will continue to monitor this category moving forward. | |
| G | G | G | Organizational Maturity Assessment | The criticality rating for the Organization Maturity Assessment (OMA) will remain Green (low). Planning efforts for the next OMA (in May) are currently in progress. | |
| Y | Y | Y | Project Management | Quality issues that impact DDI activities continue to be an IV&V concern. The Project has prioritized a few RCA mitigating action items for execution and should continue to prioritize the remaining RCA items to improve overall quality. A new preliminary concern has been added to this report to address the upcoming DDD Project Manager leave of absence. The criticality rating for this category remains Yellow (medium) for the April reporting period. IV&V will continue to monitor this category in May. | |



Executive Summary

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





Assessment Categories

Throughout this project, IV&V will verify and validate activities performed in the following process areas:

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



IV&V Findings & Recommendations Sprint Planning

| # | Key Findings | Criticality Rating | |
|-------|--|-----------------------|--|
| 8 | Changed from Medium Risk to Medium Issue - The BHA Technical Team bandwidth may not be adequate to meet the needs of the project, which could compromise project productivity. As planned, BHA continued to take on more lead responsibilities in the areas of user story ownership and performing code reviews during the month of April. CAMHD was notified that their open IT Technical position is on a temporary freeze. IV&V has elevated this finding from a medium risk to a medium issue and will continue to monitor this finding. | M | |
| Recor | mmendations | Status | |
| | The Project should investigate mechanisms of increasing the bandwidth of the BHA Technical Team, either by adding resources through new hires, or vendor contracts. | | |
| | e Project should assess, where possible, if there are responsibilities of the BHA Technical Team that can reassigned to other project staff. | In progress | |
| | e Project should evaluate where process inefficiencies can be addressed and streamlined to possibly free the BHA Technical Team's availability. | In progress | |
| | e Project should consider the formation of a first level M&O resource team to triage/address production ects in a timely manner, without disrupting new development work. | In progress | |
| | e Project should consider procurement of an online training toolset to support OCM and technical efforts to set the need for in-person training. | Completed | |



Test Practice Validation

| # | Key Findings | Criticality Rating |
|------|---|-----------------------|
| 2 | Change from High Issue to 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. IV&V has confirmed with DDD that their current regression testing efforts are effective. IV&V recognizes that CAMHD does not perform industry standard regression testing to validate the introduction of new code does not break existing functionality. However, CAMHD performs component testing prior to production release, and are satisfied this meets their preproduction testing needs. Efforts to plan the development of automated regression test scripts with Microsoft continues. CAMHD has tentatively identified its planned resource for this project and plans to coordinate the needed tasks and activities with Microsoft in May. IV&V has reduced the criticality rating for this finding from a high issue to a medium issue as the project moves towards automation that will provide industry standard regression testing. IV&V will continue to monitor this finding. | M |
| Reco | mmendations | Status |
| • Up | Updating the regression test scripts to ensure consistency with system configuration. | |
| • Mc | odifying release schedules to allow for regression testing timeframes. | Completed |

Planning releases by functionality type to avoid unnecessary repetitive work being performed in any given



Completed

section of the solution.

Test Practice Validation (cont'd)

| Recommendations | Status |
|---|-------------|
| Performing regression testing after every release, or possibly every other release, or potentially tying regression tests to full solution upgrade releases. In addition, consider alternating the DDD and CAMHD scripts every other release. | Completed |
| Modifying regression test scripts to start AFTER case creation, limiting the time it takes to execute. (This recommendation was for a point in time and is no longer valid.) | Completed |
| Modifying the deployment scripts based on information gained from previous release deployments. | Completed |
| Pursuing additional formal training in AzureDevOps for test automation at the earliest possible juncture and commence efforts to automate at least the 2 primary regression test scripts. | In Progress |
| 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 |
| Implementing 'hard' code freeze dates as well as test environment deployment dates to ensure that testing and deployment activities are not rushed. | Completed |
| IV&V recommends performing an RCA in collaboration with RSM for the continued concerns with regression testing efforts. | In Progress |
| Determine if current regression testing timeframes are adequate and if not, add more time to the pre- production regression test efforts for all release deployments. | In Progress |



Release / Deployment Planning

| # | Key Findings | Criticality Rating |
|----|--|-----------------------|
| 19 | High Issue - Due to ongoing deployment processes and technical execution issues, the Project may continue to encounter defects and challenges in meeting projected timelines for production and non-production deployments. The R3.12 Root Cause Analysis (RCA) effort completed in March resulted in several recommendations for increasing the quality of deployments. One of the high priority items resulting from the RCA was to update the deployment checklists and provide a secondary review prior to executing a deployment. A task was assigned to a member of the Technical Team to update the checklists. IV&V will continue to monitor this finding. | (1) |

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



Release / Deployment Planning (cont'd)

| Recommendations | Status |
|---|-------------|
| Look at implementing 'hard' code freeze dates as well as test environment deployment dates to ensure that testing and deployment activities are not rushed. | Completed |
| 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 |
| 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 |
| The Project Team should consider evaluating potential changes to improve/enhance existing processes and communications to address current release/deployment shortfalls. | In Progress |
| IV&V recommends performing an RCA in collaboration with RSM for the continued concerns surrounding environment differences. | In Progress |
| IV&V recommends updating the Project's Configuration Management Plan to address the current needs of the Project. This should include specific checklists geared at ensuring repeatable promotional processes by DOH. | In Progress |
| Due to an error prone process of 'cherry picking' what is and what is not ready for deployment, IV&V recommends that DOH and RSM collaborate to determine an improved manner for managing DOH environments. | Open |



Release / Deployment Planning (cont'd)

| # | Key Findings | Criticality Rating |
|----|--|-----------------------|
| 18 | High Issue - Due to consistent technical issues requiring escalation to Microsoft (MS), some project efforts are being delayed. BHA continues to work with Microsoft on technical issues as they arise in the Government Community Cloud (GCC) instance. The issue with fields being locked has been resolved, however, a new MS ticket was opened to address workflows and business rules being disabled after a solution upgrade was applied. This issue has put a halt to all solution aware CRM development and code promotion work. This issue has delayed the R3.15 production release by at least a week. IV&V will continue to monitor this finding. | (3) |

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



Project Management

| # | Key Findings | Criticality Rating |
|----|--|-----------------------|
| 10 | Closed Low Risk - The COVID-19 pandemic and related "stay at home" order could hinder project activities and negatively impact the project schedule and budget. The Project continues to maintain its ability to operate with staff working remotely, effectively overcoming the "stay at home, work from home order" that reduced BHA's ability to be fully functional in the office. The potential DDD and CAMHD budget challenges reported in March were also overcome during April, providing fiscal relief to BHA. As such, IV&V is closing this finding. | Closed |

| Recommendations | Status |
|--|-----------|
| IV&V recommends BHA to ramp up efforts to setup, train, and assist stakeholders on remote work devices and tools and make every effort to help them to become highly functional with remote access technology (e.g., MS Teams/Skype). | Completed |
| IV&V recommends the project and DOH create a detailed, documented risk mitigation strategy and plan that is reviewed regularly and revised to address the current state of the COVID-19 threat and related impacts over the next 6 to 12 months. | Closed |
| IV&V recommends updates to the OCM Plan to include any new activities or updates to planned activities to aid the organization through this COVID-19 situation in the short and long term. | Closed |



| # | Key Findings | Criticality Rating | | |
|-------|---|-----------------------|--|--|
| 15 | High Issue - Due to multiple quality concerns, the Project may continue to face impactful system defects. BHA has commenced mitigation efforts to address the highest priority RCA items resulting from the R3.12 defects. Although the entire list has not yet been prioritized, specific action is being taken to update the existing deployment standard checklist to address issues found with deployments. Further, BHA is pursuing Microsoft (MS) User Group Membership in a local or nearby chapter and has reached-out to ETS to see if there are existing subscriptions that can be leveraged. Participating in a MS User Group would benefit BHA as it would be an excellent resource for networking with other users to help resolve system challenges quickly and for staying on top of D365 current events. The Project Team updated the DevOps Tool to include an RCA Category and Description fields for tracking future RCA information. To continue RCA efforts moving forward, a debrief of post-production deployments for future releases will be discussed at the Thursday Issues Meeting following a release deployment to production. IV&V notes that BHA is still working with Microsoft to schedule time to commence the efforts for regression testing automation. This functionality is expected to provide repeatable, automated regression test efforts for CAMHD and DDD in downstream releases. CAMHD has tentatively identified its planned resource for this project and plans to coordinate the needed tasks and activities with Microsoft in late April/early May. IV&V will continue to monitor this finding. | H | | |
| Recon | nmendations | Status | | |
| • Per | Perform revenue neutrality fiscal balance testing on a quarterly basis to ensure revenues are as expected. | | | |
| | Perform typical project testing including System Integration, User Acceptance, Performance, and Regression Testing. | | | |



| Recommendations | Status |
|---|-------------|
| Assign dedicated resources to provide oversight of CAMHD Fiscal Processes. | In Progress |
| BHA and RSM to collaborate on the necessary revisions to the submitted design deliverables to increase level of detail and quality. | Completed |
| Monitor implemented improvements for effectiveness. | In Progress |
| Evaluate existing project staff skills and experience level to ensure they meet BHA support requirements. | Open |
| IV&V recommends performing an RCA in collaboration with RSM after all future release deployments for continual quality improvement. | In Progress |

| # | Key Findings | Criticality Rating |
|----|--|-----------------------|
| 13 | Medium Issue – PII/PHI data in non-production environments. There were no substantive changes for this finding in April. Due to resource constraints, establishing a plan for managing PHI/PII data in non-production BHA environments has not yet commenced. Technical staff bandwidth shortages continues to prevent BHA from accomplishing needed new activities to support the Max/Inspire Project. It remains unclear when this important security mitigation activity will be completed. | M |

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



| # | Key Findings | Criticality Rating |
|----|---|-----------------------|
| 17 | Medium Risk - The bandwidth of CAMHD Leadership is being hampered by planning tasks and activities for assessing project expansion to other divisions. CAMHD Leadership time spent on efforts outside of the INSPIRE Project continued to increase during early April but has decreased at the end of the month. Approximately 60-70% of Leadership time was spent on Phase 4 Planning, COVID Remediation, and the new Vaccine Registration application efforts. The CAMHD level of effort is anticipated to decrease to approximately 20% in May as DOH has hired a Project Manager in April who will be dedicated to the Vaccine Registration Project, instead of BHA resources IV&V will continue to monitor this finding. | M |

| Recommendations | Status |
|--|-------------|
| • IV&V recommends CAMHD look for opportunities to augment the management staffing for planning Phase 4 | In Progress |
| and M&O work. | |



| | # | Key Findings | Criticality Rating |
|---|----|--|-----------------------|
| 2 | 20 | Preliminary Concern – The pending RSM contract expiration will require BHA to perform transition of the D365 solution to the State prior to contract end. The RSM contract amendment is still pending approval. This amendment will extend the DD&I effort (Mod 5) to the end of December 2021 and will also provide M&O services (Mod 6) through May 2022. Mod 5 is expected to be approved in May 2021. This will delay the near-term need for a Transition Plan until first quarter 2022. IV&V will continue to monitor this finding. | N/A |



| # | Key Findings | Criticality Rating |
|----|---|-----------------------|
| 21 | New Preliminary Concern – The DDD Project Manager will be on leave and unavailable to the project starting in May. The DDD Project Manager performs most of the project duties on behalf of DDD and her absence may cause an increased level of risk to the project. DDD has commenced planning efforts and has assigned staff to backfill her, although they are currently assigned to other project tasks and activities. IV&V will continue to monitor this preliminary concern. | N/A |



Project Performance Metrics

| Metric | 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 | April – Available velocity was estimated at 60 user story points for R3.14, however a total of 58.5 USPs were completed and promoted to production. IV&V notes that RSM includes USP counts from Mid Sprint Deployments prior to a planned release as component of the planned release. IV&V notes that there were no Mid Sprint Deployments in April. Overall, the cumulative Phase 3 targeted USPs through R3.14 was planned for 1,158. The cumulative completed USPs total is currently 1,496.8. | 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 | April – R3.14 was comprised of 58.5 USPs that were released to production. 70% of the total USPs were associated with planned user stories and requests. 30% of the total USPs were associated with defects from the backlog. | N/A |

Organizational Maturity Assessment

Measure IV&V Observations

The Organizational Maturity Assessment (OMA) is updated on a bi-monthly basis. IV&V currently planning for the next OMA in May 2021.



Appendix A: IV&V Rating Scales

Appendix AIV&V Rating Scales

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

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

The assessment category is under control and the current scope can be delivered within the current schedule.

The assessment category's risks and issues have been identified, and mitigation activities are effective. The overall impact of risk and issues is minimal.

The assessment category is proceeding according to plan (< 30 days late).

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



The assessment category's risk and/or issues have been identified, and further mitigation is required to facilitate forward progress. The known impact of potential risks and known issues are likely to jeopardize the assessment category. Schedule issues are emerging (> 30 days but < 60 days late).

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

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



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

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



Appendix A

Finding Criticality Ratings

| Criticality Rating | Definition |
|-----------------------|--|
| • | A high rating is assigned if there is a possibility of substantial impact to product quality, scope, cost, or schedule. A major disruption is likely, and the consequences would be unacceptable. A different approach is required. Mitigation strategies should be evaluated and acted upon immediately. |
| M | A medium rating is assigned if there is a possibility of moderate impact to product quality, scope, cost, or schedule. Some disruption is likely, and a different approach may be required. Mitigation strategies should be implemented as soon as feasible. |
| • | 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 April 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
- 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 April 2021 reporting period:

- Daily Scrum Notes (selected)
- 2. Twice Weekly Issues Meeting Notes (selected)
- 3. Semantic Layer Design Document



Appendix C: Project Trends

Appendix C Project Trends

| Trend: Overall Project Health | | | | | | | | | | |
|---------------------------------|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Process Area | 2020-2021 | | | | | | | | | |
| Process Area | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr |
| 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 | 6 | 7 | 7 | 10 | 11 | 11 | 10 | 11 | 8 | 8 |
| Issue - high | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 4 | 3 |
| Issue - medium | 0 | 1 | 2 | 2 | 4 | 4 | 0 | 0 | 0 | 3 |
| Issue - low | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Risk - high | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Risk - medium | 2 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 4 | 1 |
| Risk - low | 1 | 0 | 0 | 0 | 3 | 3 | 4 | 4 | 0 | 0 |
| Preliminary Concern | 1 | 3 | 3 | 5 | 2 | 2 | 0 | 1 | 0 | 2 |



Solutions that Matter

| ID No | Identified Dat | t Title | Observation | Significance | Recommendation | Updates | Process Area | Finding Type | Priority | Status | Closure Reason | n Risk Owner |
|-------|----------------|---------------------------------------|-----------------------------------|--|---|---|-----------------|--------------|------------|--------|------------------|--------------|
| 1.000 | 12/31/2019 | Detailed investigation into the | IV&V is currently investigating | While having a high level roadmap is | As much as possible, the project should | 01/31/2020 - IV&V is closing this concern, and | Sprint Planning | Concern | N/A | Closed | Due to | V Ramesh |
| | | project's sprint planning processes | the following topics as they | good, the project should be able to | identify what feature enhancements will | will be tracking items related to Definition of | | | | | multiple new | |
| | | and adoption of generally accepted | relate to Sprint Planning and | identify what feature enhancements | be targeted for each Release and should | Done, roadmap, resourcing, and backlog | | | | | items being | |
| | | agile best practices. | the project's overall approach | will be targeted for each planned | clearly map out the roadmap out through | grooming in new, separate findings. | | | | | tracked at a | |
| | | | to agile software | release. This roadmap will help the | the last Phase 3 release in September | | | | | | more granular | |
| | | | development: | project manage scope and productivity | . 2020. | | | | | | level, this item | |
| | | | - IV&V acknowledges that the | Relatedly, the "definition done" is an | Additionally, the project should clearly | | | | | | has been | |
| | | | project is now planning three | important artifact to ensure that the | define "Done" to ensure the project team | | | | | | closed. | |
| | | | sprints outs, however, it | project is successful. Otherwise, the | is working towards the same goal and | | | | | | | |
| | | | appears that only a "high- | project will struggle to prioritize | increase opportunities for success. Having | S . | | | | | | |
| | | | level" sprint planning | requests/enhancements and manage | a clear "definition of done" will help | | | | | | | |
| | | | roadmap has been produced, | scope. | provide the project with guidance on how | , l | | | | | | |
| | | | and it is unclear exactly how | | to 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 4 | | | | | | | | | |
| | | | Additionally, in the January | | | | | | | | | |
| | | | 2020 reporting period, IV&V | | | | | | | | | |
| | | | will seek additional | | | | | | | | | |
| | | | information and visibility into | | | | | | | | | |
| | | | the project's processes | | | | | | | | | |
| | | | specific to prioritizing requests | | | | | | | | | |
| 2.000 | 12/31/2019 | As a result of regression testing not | and how user stories in TFS | Thorough vetting and validation of | To address regression testing, the Project | 04/30/2021 - IV&V has confirmed with DDD | Test Practice | Issue | Medium | Open | | D Macdonald |
| 2.000 | 12/31/2019 | being consistently performed, | deprecated features in | regression test cases is necessary to | should continue to pursue and/or | that their current regression testing efforts are | | issue | ivieululli | Ореп | | Diviacuonalu |
| | | production releases are both | production specific to | prevent both defects and the | consider: | effective. IV&V recognizes that CAMHD does | Vallacion . | | | | | |
| | | breaking and deprecating existing | Integrated Support and Life | l' | 1. Updating the regression test scripts to | not perform industry standard regression | | | | | | |
| | | functionality in the production | Trajectory functionality. DDD | when a release is pushed live. When | ensure consistency with system | testing to validate the introduction of new | | | | | | |
| | | environment. | has informed IV&V that there | defects occur in production, the project | | code does not break existing functionality. | | | | | | |
| | | | are other examples of | | 2. Modifying release schedules to allow | However, CAMHD performs component testing | | | | | | |
| | | | · · | process for determining the root cause | | prior to production release, and are satisfied | <u> </u> | | | | | |
| | | | after a release, some of which | , | Completed | this meets their pre-production testing needs. | | | | | | |
| | | | are still being investigated. As | | 1 . | Efforts to plan the development of automated | | | | | | |
| | | | of this report, IV&V has not | | to avoid unnecessary repetitive work | regression test scripts with Microsoft | | | | | | |
| | | | evaluated the project's root | | being performed in any given section of | continues. CAMHD has tentatively identified its | ; | | | | | |
| | | | cause analysis (RCA) process | | the solution - Completed | planned resource for this project and plans to | | | | | | |
| | | | used to determine why such | | 4. Performing regression testing after | coordinate the needed tasks and activities with | | | | | | |
| | | | functionality was deprecated | | every release, or possibly every other | Microsoft in May. | | | | | | |
| | | | but will discuss further with | | release, or potentially tying regression | IV&V has reduced the criticality rating for this | | | | | | |
| | | | BHA in January 2020. | | tests to full solution upgrade releases. In | finding from a high issue to a medium issue as | | | | | | |
| | | | | | addition, consider alternating the DDD | the project moves towards automation that | | | | | | |
| | | | | | and CAMHD scripts every other release - | will provide industry standard regression | | | | | | |
| | | | | | Completed | testing. IV&V will continue to monitor this | | | | | | |
| | | | | | 5. Modifying regression test scripts to | finding. | | | | | | |
| | | | | | start AFTER case creation, limiting the | 03/31/2021 - R3.13 was promoted to | | | | | | |
| | | | | | time it takes to execute - Completed | production on 3/14/2021. The Root Cause | | | | | | |
| | | | | | 6. Modifying the deployment scripts | Analysis (RCA) effort from R3.12 was | | | | | | |
| | | | | | based on information gained from | completed in March resulting in several | | | | | | |
| | 1 | 1 | | i | previous release deployments - | recommendations for increasing the quality of | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | | | Completed | Testing. The corresponding RCA Action Plans | | | | | | |

| 2.002 | 42/24/2246 | | 11 1 | | 1 500 | 00/04/0000 0/01/1 | | Di-L | Lacron | | DCC 41 | |
|-------|------------|--|---|--|--|--|---------------------------------|-------|--------|--------|--|-------------|
| 3.000 | 12/31/2019 | Usage of open source JavaScript | IV&V learned in December | Open source tools and frameworks | IV&V recommends BHA work to establish | 08/31/2020 - IV&V is unaware of any | Targeted KT | Risk | Low | Closed | | D Macdonald |
| | | framework for development and | 2019 that the Calculator 3.0 | offer organizations great opportunities | a reliable and repeatable process for | additional KT gaps being identified by DOH, | | | | | successfully | |
| | | ongoing maintenance of Calculator | | to build and configure customized | keeping abreast of communal updates | and as such, is closing this finding. | | | | | held several KT | |
| | | 3.0 requires BHA to take a | an open source JavaScript | solutions at lower costs than through | and support opportunities for a new suite | 07/21/2020 The Project received the mississist | | | | | sessions for | |
| | | proactive approach to support and | | software purchase or licensing. | of tools - Completed | 07/31/2020 - The Project resolved the majority | | | | | this technology | |
| | | security. | is relatively new, the open | However, open source tools and | IV&V recommends BHA continue to hold | of the outstanding Calculator 3.0 defects | | | | | and | |
| | | | source support community is | frameworks often do not come with | targeted KT sessions with RSM on | during July which was implemented in the mid- | | | | | functionality, | |
| | | | small. IV&V's concerns | support models, other than those | maintaining Calculator 3.0 via a suite of | sprint release on 7/17/2020. The final | | | | | and DOH staff | |
| | | | include: | offered through the tool's community. | tools, and determine what additional | Calculator 3.0 Knowledge Transfer session was | | | | | have stated | |
| | | | - The availability of reliable | Because of this, the organization bears | skillsets, training, and/or resources are | conducted on 7/17/2020. IV&V recommends | | | | | that it was well | |
| | | | support for Vue.JS | the weight of seeking out reliable help | needed to support BHA's long-term | BHA to identify and communicate any | | | | | received. | |
| | | | - The project's understanding | and support, as well as much take a | ownership of Calculator 3.0 - Completed | additional KT gaps to RSM during the month of | | | | | | |
| | | | of any known vulnerabilities | proactive approach to security and | | August. If no additional needs are identified, | | | | | | |
| | | | with Vue.JS, and development | identifying any vulnerabilities in the | | IV&V will close this finding. | | | | | | |
| | | | of a process to remain current | tools. | | 06/30/2020 - The project continued to focus | | | | | | |
| | | | on vulnerabilities discovered | | | attention on the Calculator 3.0 defects during | | | | | | |
| | | | by the support community. | | | the month of June. RSM conducted another | | | | | | |
| | | | - The RSM lead for Calculator | | | Calculator 3.0 Knowledge Transfer session on | | | | | | |
| | | | 3.0 went on extended parental | | | 6/26/2020 and scheduled a final session for | | | | | | |
| | | | leave in December 2019 | | | 7/17/2020. | | | | | | |
| | | | IV&V acknowledges that BHA | | | 05/24/2020 The market continued to feet | | | | | | |
| | | | has downloaded Vue.JS to | | | 05/31/2020 - The project continued to focus | | | | | | |
| | | | start getting familiar with it. | | | attention on the Calculator 3.0 user stories and | | | | | | |
| | | | | | | defects during the month of May. RSM | | | | | | |
| | | | | | | conducted another Calculator 3.0 Knowledge | | | | | | |
| | | | | | | Transfer session on 5/29/2020 which IV&V | | | | | | |
| | . / / | | | | | attended. This session included the new C3.0 | | | | | | |
| 5.000 | | | | | | | | | | | | |
| 1 | 1/31/2020 | Due to the project not following a | There have been several | A complete, up to date, and | IVV recommends documenting | 12/31/2020 - IV&V has closed this issue as the | Release/Deployme | Issue | Medium | Closed | Key finding has | D Macdonald |
| | 1/31/2020 | detailed deployment script, the | defects pushed to production | documented deployment script is | deployment scripts for both the patch | related recommendations below has been | Release/Deployme nt Planning | Issue | Medium | Closed | been | D Macdonald |
| | 1/31/2020 | detailed deployment script, the project may continue to experience | defects pushed to production with Phase 3 releases. Some of | documented deployment script is needed to ensure the repeatability and | deployment scripts for both the patch method and the full solution upgrade | related recommendations below has been completed. A subsequent medium issue | | Issue | Medium | Closed | been addressed and | D Macdonald |
| | 1/31/2020 | detailed deployment script, the project may continue to experience defects related to deployment | defects pushed to production with Phase 3 releases. Some of the defects introduced to | documented deployment script is needed to ensure the repeatability and stability of DOH's production | deployment scripts for both the patch method and the full solution upgrade method. The script(s) should be in the | related recommendations below has been completed. A subsequent medium issue finding (#19) has been opened to address | | Issue | Medium | Closed | been addressed and proposed IV&V | D Macdonald |
| | 1/31/2020 | detailed deployment script, the project may continue to experience | defects pushed to production with Phase 3 releases. Some of the defects introduced to production have been | documented deployment script is needed to ensure the repeatability and stability of DOH's production deployments. Since there are currently | deployment scripts for both the patch method and the full solution upgrade method. The script(s) should be in the form of a step-by-step procedure that | related recommendations below has been completed. A subsequent medium issue finding (#19) has been opened to address ongoing deployment processes and technical | | Issue | Medium | Closed | been addressed and proposed IV&V recommendati | D Macdonald |
| | 1/31/2020 | detailed deployment script, the project may continue to experience defects related to deployment | defects pushed to production with Phase 3 releases. Some of the defects introduced to production have been narrowed down to | documented deployment script is needed to ensure the repeatability and stability of DOH's production deployments. Since there are currently two deployment types (patches and | deployment scripts for both the patch method and the full solution upgrade method. The script(s) should be in the form of a step-by-step procedure that walks through from start to finish of the | related recommendations below has been completed. A subsequent medium issue finding (#19) has been opened to address ongoing deployment processes and technical execution issues. | | Issue | Medium | Closed | been addressed and proposed IV&V recommendati ons have been | D Macdonald |
| | 1/31/2020 | detailed deployment script, the project may continue to experience defects related to deployment | defects pushed to production with Phase 3 releases. Some of the defects introduced to production have been narrowed down to environmental promotional | documented deployment script is needed to ensure the repeatability and stability of DOH's production deployments. Since there are currently two deployment types (patches and full solution upgrades), two scripts may | deployment scripts for both the patch method and the full solution upgrade method. The script(s) should be in the form of a step-by-step procedure that walks through from start to finish of the deployment process and involve several | related recommendations below has been completed. A subsequent medium issue finding (#19) has been opened to address ongoing deployment processes and technical execution issues. 11/30/2020 - Release 3.10 was promoted to | | Issue | Medium | Closed | been addressed and proposed IV&V recommendati ons have been completed. A | D Macdonald |
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| | 1/31/2020 | detailed deployment script, the project may continue to experience defects related to deployment | defects pushed to production with Phase 3 releases. Some of the defects introduced to production have been narrowed down to environmental promotional activities. In these instances, the DEV and TEST environments were not in sync with the production environment (missing business rules, missing components, missing dependencies, etc.). IVV is aware that DOH staff shadowed RSM staff for all deployment releases during Phase 2 with RSM providing instruction and DOH staff physically executing the tasks and activities via keyboard. For Phase 3, it is unclear whether a complete, up to | documented deployment script is needed to ensure the repeatability and stability of DOH's production deployments. Since there are currently two deployment types (patches and full solution upgrades), 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 | deployment scripts for both the patch method and the full solution upgrade method. The script(s) should be in the form of a step-by-step procedure that walks through from start to finish of the deployment process and involve several technical staff to ensure staff availability to accomplish these tasks when primary deployment personnel are unavailable. Standardize the content of all developer deployment task notes, with a goal of eliminating any potential ambiguity to the Deployment Team, resulting in a cleaner and more repeatable set of deployment | related recommendations below has been completed. A subsequent medium issue finding (#19) has been opened to address ongoing deployment processes and technical execution issues. 11/30/2020 - Release 3.10 was promoted to production on 11/11/2020. Approximately nine (9) new defects were identified after the deployment. Root causes are suspected to be a combination of insufficient testing from a business perspective coupled with deployment issues. A bulk record update task required as part of the implementation was not included in the deployment, resulting in contacts being deprecated from the Circle of Support in Inspire. It is unclear if any other deployment issues may have also contributed to the new defects. Deployment corrections were applied in a mid sprint release on 11/27/2020. Based on the recurrence of this finding, IV&V has changed this Risk to an Issue and will continue to monitor until resolved. 10/31/2020 - The RSM and DOH Teams have | | Issue | Medium | Closed | been addressed and proposed IV&V recommendati ons have been completed. A subsequent finding #19 has been created to address on- going deployment processes and technical execution | D Macdonald |

| 6.000 | 1/31/2020 | The project lacks a documented 'Definition of Done", which could challenge the project's ability to fully achieve the goals of Phase 3. | BHA does not have a documented 'Definition of Done' (DOD) for the BHA Top 100 User Stories of for Phase 3. Because of this, it is unclear how proposed functionality/features are prioritized for each sprint, and throughout Phase 3. | The 'Definition of Done" document guides the Project's vision, business, and technical goals that are important inputs for stakeholders to develop a Roadmap for Phase 3. Without the 'Definition of Done' document, the project is likely to struggle to prioritize proposed functionality/features which may be equally important but are at odds with each other. | Project is currently in the process of creating the Definition of Done. IV&V recommends that the project create this document and socialize this with project team before end of Feb 2020 IV&V recommends that the project consider the items from the prioritized list, available resources and define "Done" as a percentage of the identified priority list with room for flexibility to add any other features/enhancements that will be identified during Phase 3. | 02/29/2020 - The project created and documented the Phase 3 Definition of Done and socialized it in February. IV&V recommends the project continually review and update the Definition of Done, adjusting as/if necessary. IV&V will continue to monitor the project's adherence to Definition of Done and progress against it but is closing out this concern as of the February report. | Project Management | Concern | N/A | Closed | Definition of Done completed and socialized. | V Ramesh |
|-------|-----------|--|---|--|---|---|-----------------------|---------|-----|--------|--|-------------|
| 7.000 | 1/31/2020 | The lack of consistent backlog grooming could result in the project backlog having obsolete, non-estimated, and poorly defined user stories. | The backlog of defects, requests, and user stories continues to grow. Currently, there are approximately 429 defects and requests, of which almost 200 have a status of 'New'. IVV notes that a large percentage of the backlogged work items do not have user story points estimated. Many of the items listed in the backlog are old, and some may have had needs or requirements change over time or may now be obsolete. IV&V notes that DDD and CAMHD have initiated this effort and agreed to prioritize grooming the backlog by the end of February. | a primary tenet of agile software development. If a backlog is carrying work items that may not ever be completed for any reason, they should | IVV recommends that CAMHD and DDD groom the backlog to bring it as current and accurate as possible. This should include deprecating items no longer needed, and fully defining those items that are not yet fully defined, readying them for configuration or developer resources. To the extent feasible, BHA should involve RSM SMEs in this process, if only for the interim to get "caught up" on grooming efforts. (Closed) VV recommends that the project consider utilizing an age-based methodology for the deprecation of 'older' user stories in the backlog that may no longer be applicable or needed by the Product Owners and developing a process for periodic cleansing of the backlog using the same methodology. (Closed) | 06/30/2020 - IV&V has observed for another month that the project continues to groom the backlog. As a result, we are closing this finding. 05/31/2020 - The project team has determined the backlog grooming effort has caught up, as details for release 3.9 are completed and 3.10 is near completion. IV&V will keep this finding open for an additional month to validate that the backlog continues to be groomed as new stories and defects are identified. Efforts to keep the backlog groomed should take place each month so that release planning efforts are not delayed. 04/30/2020 - The project reported that 97% of the original backlog has been estimated at this time. That said, CAMHD has determined that there are several older, and possibly no longer necessary user stories in the backlog that are candidates for deletion. IV&V will keep this finding open and will re-assess it for impact during the month of May. 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 | | Risk | Low | Closed | The project has demonstrated they are consistently grooming the backlog. | D Macdonald |

| 8.000 | 1/31/2020 | The BHA Technical Team bandwidth may not be sufficient to meet the needs of the project, which could compromise project productivity. | a role that is critical to project success. Currently, the responsibilities associated with the BHA Technical Team have expanded beyond their collective available bandwidth. IV&V notes that BHA began | project. As such, the Team's time is | mechanisms of increasing the bandwidth of the BHA Technical Team, either by adding resources through new hires, or vendor contracts. The Project should assess, where possible, if there are responsibilities of the BHA Technical Team that can be reassigned to other project staff. The Project should evaluate where process inefficiencies can be addressed and streamlined to possibly free up the BHA Technical Team's availability. The Project should consider the formation of a first level M&O resource team to triage/address production defects in a timely manner, without disrupting new development work. The Project should consider procurement of an online training toolset to support OCM and technical efforts to offset the need for in-person training - COMPLETED. | 04/30/2021 - As planned, BHA continued to take on more lead responsibilities in the areas of user story ownership and performing code reviews during the month of April. CAMHD was notified that their open IT Technical position is on a temporary freeze. IV&V has elevated this finding from a medium risk to a medium issue and will continue to monitor this finding. 03/31/2021 - BHA continued to take on more lead responsibilities in the areas of user story ownership and performing code reviews during the month of April. CAMHD remains hopeful their open IT Technical position will be posted in May. IV&V will continue to monitor this finding. 02/28/2021 - Due to lack of administrative approvals, the internal BHA efforts to post and fill technical positions have slowed. CAMHD is hopeful that the open IT Technical position will be posted in March. IV&V will continue to monitor. 01/31/2021 - Due to internal DOH processes, the recruiting announcement for CAMHD's open IT Technician position was delayed until February. IV&V will continue to monitor this finding. | Sprint Planning | Issue | Medium | Open | | D Macdonald |
|-------|-----------|---|---|--|--|---|-----------------------|---------|--------|------|---|-------------|
| 9.000 | 1/31/2020 | the near term (next 3 months), midterm, and long term could have | definitive Product Roadmap for Phase 3 that addresses the functionalities, features, and / | A Roadmap is a tool that guides an agile project on what functionalities/features are targeted to be built and released and when users can have access to these functionalities. Without a defined Roadmap the project may not be able to effectively scope the top features to be released within Phase 3 and ensure the correct resources are available to accomplish the goal of each sprint and the Phase. | recommends the Project complete this by the end of February 2020 to understand if there are any constraints (resources, budget) that may hinder the project from releasing the needed functionalities/features targeted for Phase 3 as documented in the Definition | 02/29/2020 - In February, the project further defined the Phase 3 Product Roadmap and aligned it with the Phase 3 Definition of Done. IV&V recommends the project continually review and update both the Product Roadmap and Definition of Done, adjusting as necessary. IV&V will continue to monitor the project's adherence to the Product Roadmap and progress against it but is closing out this concern as of the February report. | Project Management | Concern | N/A | | Product Roadmap aligned with Definition of Done | V Ramesh |

| 10.000 | 3/31/2020 | The COVID-19 pandemic and the related "stay at home" order could | On 3/23/2020, the Governor issued a "stay at home, work | DOH stakeholder participation in key activities could be significantly | - IV&V recommends BHA to ramp up efforts to setup, train, and assist | 04/30/2021 - The Project continues to maintain its ability to operate with staff working | Project Management | Risk | Low | Closed | The Project continues to | D Macdonald |
|--------|-----------|--|---|--|--|--|-----------------------|---------|-----|--------|--------------------------------|-------------|
| | | hinder project activities and | from home order" that has | hindered, not only by required remote | stakeholders on remote work devices and | remotely, effectively overcoming the "stay at | Wanagement | | | | maintain its | |
| | | negatively impact the project | reduced state departments | work by DOH and SI staff, but also by | tools and make every effort to help them | home, work from home order" that reduced | | | | | ability to | |
| | | schedule and budget. | ability to be fully functional as | the flood of activities that could occur | to become highly functional with remote | BHA's ability to be fully functional in the office. | | | | | operate with | |
| | | Schedule and budget. | the large majority of state | as the department could become | access technology (e.g. MS | The potential DDD and CAMHD budget | | | | | staff working | |
| | | | workers will be required to | overwhelmed processing and providing | | challenges reported in March were also | | | | | remotely, | |
| | | | work from home/remotely at | services due to the resulting economic | - IV&V recommends the project and DOH | overcome during April, providing fiscal relief to | | | | | effectively | |
| | | | least until the end of April and | _ | create a detailed, documented risk | BHA. As such, IV&V is closing this finding. | | | | | overcoming | |
| | | | some offices may be | may be unable (due to stricter | mitigation strategy and plan that is | 03/31/2021 - The Project continued to | | | | | the "stay at | |
| | | | completely shut down until | shutdown policies) or unwilling to | reviewed regularly and revised to address | maintain its ability to operate with staff | | | | | home, work | |
| | | | that time as well. Unclear if | perform these activities during this | the current state of the COVID-19 threat | working remotely, while COVID-related | | | | | from home | |
| | | | the order will extend beyond | chaotic time. Planned SI on-site visits | | responsibilities continue to grow for CAMHD | | | | | order" that | |
| | | | that date. | will also likely be changed to remote | months - In Progress | Leadership. The Governor announced that | | | | | reduced BHA's | |
| | | | triat date. | , - | 1 | | | | | | | |
| | | | | which could reduce the effectiveness | - IV&V recommends updates to the OCM Plan to include any new activities or | potential furloughs and/or layoffs of State | | | | | ability to be fully functional | |
| | | | | of their project activities. Going | ' | workers will no longer be necessary based on | | | | | in the office. | |
| | | | | forward most if not all project | updates to planned activities to aid the | the signing of the American Rescue Plan. IV&V | | | | | | |
| | | | | activities will more than likely be | organization through this COVID-19 | has reduced the priority of this finding from | | | | | The potential | |
| | | | | conducted remotely until this crisis | situation in the short and long term - | Medium to Low and will continue to monitor | | | | | DDD and CAMHD | |
| | | | | passes. | Open | moving forward. | | | | | 1 | |
| | | | | | | 02/28/2021 - As reported in January, there | | | | | budget | |
| | | | | | | were no substantive changes observed for this | | | | | challenges | |
| | | | | | | finding in February. The Project continued to | | | | | reported in | |
| | | | | | | maintain its ability to operate with staff | | | | | March were | |
| | | | | | | working remotely. IV&V continues to note that | | | | | also overcome | |
| | | | | | | there may be potential future budget actions | | | | | during April, | |
| | | | | | | by the Governor due to projected State budget | | | | | providing fiscal | |
| 11.000 | 5/31/2020 | The lack of design reviews for | There were a couple incidents | If all requirements within a functional | IV&V recommends (and DOH has | 07/31/2020 - The Project continues to to spend | | Concern | | Closed | This process | |
| | | complex user stories has resulted | during May where the code | design are not met, users could | commenced) conducting technical design | additional time on the designs of complex user | | | | | change to | |
| | | in the promotion of incomplete | promoted to production did | experience the inability to complete | reviews for complex user stories prior to | stories during June to ensure requirements and | | | | | spend extra | |
| | | solutions into production. | not fully meet all | required processes, resulting in | development to ensure designs are | user story components were fully captured in | | | | | time on the | |
| | | | requirements of associated | incomplete data collection and | complete and all requirements associated | design sessions. This process change has | | | | | design of | |
| | | | user stories for CAMHD | potential issues in service delivery. | with the design are met. IV&V observed | proven successful, and as such, IV&V | | | | | complex user | |
| | | | Progress Notes. The | | this activity has been implemented by | recommends closing this concern. | | | | | stories to | |
| | | | components that were | | DOH in the month of May. | 06/30/2020 - IV&V acknowledges the Project | | | | | ensure that all | |
| | | | developed and implemented | | | Team continued to spend additional time on | | | | | requirements | |
| | | | were functional, however the | | | the designs of complex user stories during June | | | | | are | |
| | | | effort was complicated by | | | to ensure requirements and user story | | | | | represented | |
| | | | additional requirements being | | | components were fully captured in design | | | | | has proven to | |
| | | | added during development | | | sessions. IV&V will continue to monitor in July. | | 1 | | | be successful. | |
| | | | that necessitated additional | | | | | 1 | | | | |
| | | | changes to the design. IV&V | | | | | | | | | |
| | | | will continue to monitor the | | | | | | | | | |
| | | | design review activity for large | | | | | | | | | |
| | | | user stories moving forward | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

| 12.000 | 7/31/2020 | DDD Project resource shortages | The user adoption and training | The significance and impact of OCM | IV&V recommends that BHA does as | 03/31/2021 - The DDD staff who've been part | Project | Risk | Low | Closed | The DDD staff | D Macdonald |
|--------|---|---|--|--|---|--|-----------------------|-------|--------|--------|----------------|--------------|
| | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | may have a continued negative | efforts are hampered based | can never be understated. It is clearly | much as possible within its sphere of | of the review process are pleased with the | Management | | | Ciosca | who've been | D Macadinara |
| | | effect on user adoption, training, | on staffing shortages. DDD | a best practice that best that all staff | influence to increase user adoption and | quality of the videos produced within the | | | | | part of the | |
| | | and overall OCM activities. | has stated that its users have | utilize the solution in the same | training. This includes procurement of the | toolset and have determined that the toolset is | | | | | review process | |
| | | | been found to not be utilizing | manner. Variations in how the system | online training toolsets to offset the need | a very helpful training tool for DDD staff and | | | | | are pleased | |
| | | | the system to its fullest extent | is utilized by its users is likely to cause | for in-person training, and adding staff as | providers. As such, IV&V is closing this finding. | | | | | with the | |
| | | | in terms of system workflow, | variations in data collection and | needed to support OCM and technical | 02/28/2021 - Training videos using the new | | | | | quality of the | |
| | | | provide their insights and | analytical efforts using the data | efforts. | toolset were nearing completion by the end of | | | | | videos | |
| | | | input, follow up, etc. To assist | , | IV&V recommends DOH perform a | February. DOH is currently reviewing the drafts | | | | | produced | |
| | | | in OCM activities, DDD has | | detailed investigation of the specific | of the second set of videos and work is | | | | | within the | |
| | | | defined the need for an | | variations as to how the system is | progressing well. IV&V will continue to monitor | | | | | toolset, and | |
| | | | interactive training tool to | | currently being used by the user | this finding until DDD has had sufficient time to | | | | | have | |
| | | | support Inspire. | | community. Consequently, users would | determine the overall quality of the training | | | | | determined | |
| | | | | | be provided with constructive feedback | work products and whether the new toolset is | | | | | that the | |
| | | | | | on how the system should be utilized | addressing user adoption and staffing | | | | | toolset is a | |
| | | | | | where gaps exist. This will likely lead to | shortages for these task efforts. | | | | | very helpful | |
| | | | | | additional refresher training to close | 01/31/2021 - Training design activities using | | | | | training tool | |
| | | | | | identified system knowledge gaps. | the interactive training toolset commenced in | | | | | for DDD staff | |
| | | | | | , 554 | January and has attained good progress. The | | | | | and providers. | |
| | | | | | | use of this tool is expected to provide some | | | | | | |
| | | | | | | bandwidth relief for DDD staff members | | | | | | |
| | | | | | | responsible for onboarding new staff members | | | | | | |
| | | | | | | and providers, and to provide refresher | | | | | | |
| | | | | | | training to existing staff members. IV&V will | | | | | | |
| | | | | | | continue to monitor this finding | | | | | | |
| | | | | | | 12/31/2020 - The contract to procure the | | | | | | |
| | | | | | | interactive training toolset for onboarding new | | | | | | |
| | | | | | | interactive training toolset for onboarding new | | | | | | |
| 13.000 | 8/31/2020 | PII/PHI data in non-production | IV&V has been made aware | Failure to secure PII/PHI data leaves | IV&V recommends if production data is | 04/30/2021 - There were no substantive | Project | Issue | Medium | Open | | D Macdonald |
| 13.000 | 8/31/2020 | PII/PHI data in non-production environments | IV&V has been made aware that PII/PHI data currently | Failure to secure PII/PHI data leaves the organization open to highly | IV&V recommends if production data is necessary in any non-production | | Project Management | Issue | Medium | Open | | D Macdonald |
| 13.000 | 8/31/2020 | | | 1 | · · | 04/30/2021 - There were no substantive | 1 - | Issue | Medium | Open | | D Macdonald |
| 13.000 | 8/31/2020 | | that PII/PHI data currently | the organization open to highly | necessary in any non-production | 04/30/2021 - There were no substantive changes for this finding in April. Due to | 1 - | Issue | Medium | Open | | D Macdonald |
| 13.000 | 8/31/2020 | | that PII/PHI data currently exist in a non-production | the organization open to highly targeted social engineering attacks, | necessary in any non-production environment that DOH establishes a plan | 04/30/2021 - There were no substantive changes for this finding in April. Due to resource constraints, establishing a plan for | 1 - | Issue | Medium | Open | | D Macdonald |
| 13.000 | 8/31/2020 | | that PII/PHI data currently exist in a non-production environment to meet project | the organization open to highly targeted social engineering attacks, heavy regulatory fines, and loss of | necessary in any non-production environment that DOH establishes a plan for effectively managing the security of | 04/30/2021 - There were no substantive changes for this finding in April. Due to resource constraints, establishing a plan for managing PHI/PII data in non-production BHA | 1 - | Issue | Medium | Open | | D Macdonald |
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| 14 | .000 | 8/31/2020 | Project not able to access Activity | The Project recently deployed | The unavailability of activity logs may | IV&V recommends that DHS continues to | 03/31/2021 - Per BHA, this finding is no longer | Release/Deployme | Risk | Low | Closed | Finding has | D Macdonald |
|------|------|-----------|-------------------------------------|--|---|--|--|-----------------------|---------------------------------------|------|--------|-----------------|--------------|
| 1-4. | .000 | 0,31,2020 | Logs | audit log functionality into | hamper the investigation of future | collaborate with Microsoft until the | an issue and recommends closure. IV&V is | nt Planning | T T T T T T T T T T T T T T T T T T T | LOW | Cioseu | been resolved. | Diviacuonalu |
| | | | 12083 | production whereby these | security breaches. | activity logging feature is available in all | closing this finding. | | | | | Decir resorred. | |
| | | | | logs can be accessed and | , | BHA non-production environments. | 02/28/2021 - BHA continued this effort in | | | | | | |
| | | | | exported as needed. However, | | | February despite a workaround being | | | | | | |
| | | | | IV&V was made aware access | | | necessary from Microsoft due to a layering | | | | | | |
| | | | | to activity logging for users | | | issue. Based on continued delays, it is unclear | | | | | | |
| | | | | with just view permissions will | | | when this important security activity will be | | | | | | |
| | | | | not be available from | | | completed. IV&V will continue to monitor this | | | | | | |
| | | | | Microsoft in the public sector | | | finding. (Per Kamu, this status information did | | | | | | |
| | | | | environment until the end of | | | not correctly reflect the issue as the layering | | | | | | |
| | | | | September 2020. The | | | issue has no relation to the activity logs.) | | | | | | |
| | | | | unavailability of these specific | | | 01/31/2021 - The implementation effort for | | | | | | |
| | | | | activity logs could potentially | | | this activity moved forward in January. Some | | | | | | |
| | | | | hamper the investigation of | | | of the entities will have activity logging | | | | | | |
| | | | | future security events until | | | completed in the planned early February | | | | | | |
| | | | | implemented. | | | Release 3.12, while others will be delayed until | | | | | | |
| | | | | | | | Release 3.13. IVV will continue to monitor. | | | | | | |
| | | | | | | | 12/31/2020 - The planning effort for | | | | | | |
| | | | | | | | identifying the entities that will require | | | | | | |
| | | | | | | | activation of the new activity logs was | | | | | | |
| | | | | | | | completed during December. The | | | | | | |
| | | | | | | | implementation effort has been prioritized for | | | | | | |
| | | | | | | | inclusion in Release 3.12. IV&V will continue to | | | | | | |
| | | | | | | | monitor this finding until implemented. | | | | | | |
| | | | | | | | 11/30/2020 - The DOH technical team has | | | | | | |
| | | | | | | | commenced the analytical effort to determine | | | | | | |
| | | | | | | | • | | | | | | |
| 15. | .000 | 9/30/2020 | Due to multiple quality concerns, | System defects identified in | The identified quality issues have | To address quality issues, the Project | 04/30/2021 - BHA has commenced mitigation | Project | Issue | High | Open | | D Macdonald |
| 15. | .000 | 9/30/2020 | the project may continue to face | August that affected claims | negatively affected DOH billing | should continue to pursue and/or | efforts to address the highest priority RCA | Project Management | Issue | High | Open | | D Macdonald |
| 15. | .000 | 9/30/2020 | | August that affected claims were due to multi-faceted | negatively affected DOH billing processes and DOH has stated these | should continue to pursue and/or consider: | efforts to address the highest priority RCA items resulting from the R3.12 defects. | 1 - | Issue | High | Open | | D Macdonald |
| 15. | .000 | 9/30/2020 | the project may continue to face | August that affected claims were due to multi-faceted quality issues were | negatively affected DOH billing processes and DOH has stated these are the most impactful defects | should continue to pursue and/or consider: 1) Perform revenue neutrality fiscal | efforts to address the highest priority RCA items resulting from the R3.12 defects. Although the entire list has not yet been | 1 - | Issue | High | Open | | D Macdonald |
| 15. | .000 | 9/30/2020 | the project may continue to face | August that affected claims were due to multi-faceted quality issues were individually addressed during | negatively affected DOH billing processes and DOH has stated these | should continue to pursue and/or consider: 1) Perform revenue neutrality fiscal balance testing on a quarterly basis to | efforts to address the highest priority RCA items resulting from the R3.12 defects. Although the entire list has not yet been prioritized, specific action is being taken to | 1 - | Issue | High | Open | | D Macdonald |
| 15. | .000 | 9/30/2020 | the project may continue to face | August that affected claims were due to multi-faceted quality issues were individually addressed during this reporting period. IV&V | negatively affected DOH billing processes and DOH has stated these are the most impactful defects | should continue to pursue and/or consider: 1) Perform revenue neutrality fiscal balance testing on a quarterly basis to ensure revenues are as expected. | efforts to address the highest priority RCA items resulting from the R3.12 defects. Although the entire list has not yet been prioritized, specific action is being taken to update the existing deployment standard | 1 - | Issue | High | Open | | D Macdonald |
| 15.0 | .000 | 9/30/2020 | the project may continue to face | August that affected claims were due to multi-faceted quality issues were individually addressed during this reporting period. IV&V notes that there is one | negatively affected DOH billing processes and DOH has stated these are the most impactful defects | should continue to pursue and/or consider: 1) Perform revenue neutrality fiscal balance testing on a quarterly basis to ensure revenues are as expected. 2) Performing typical project testing | efforts to address the highest priority RCA items resulting from the R3.12 defects. Although the entire list has not yet been prioritized, specific action is being taken to update the existing deployment standard checklist to address issues found with | 1 - | Issue | High | Open | | D Macdonald |
| 15. | .000 | 9/30/2020 | the project may continue to face | August that affected claims were due to multi-faceted quality issues were individually addressed during this reporting period. IV&V notes that there is one remaining defect still being | negatively affected DOH billing processes and DOH has stated these are the most impactful defects | should continue to pursue and/or consider: 1) Perform revenue neutrality fiscal balance testing on a quarterly basis to ensure revenues are as expected. 2) Performing typical project testing including System Integration, User | efforts to address the highest priority RCA items resulting from the R3.12 defects. Although the entire list has not yet been prioritized, specific action is being taken to update the existing deployment standard checklist to address issues found with deployments. Further, BHA is pursuing | 1 - | Issue | High | Open | | D Macdonald |
| 15. | .000 | 9/30/2020 | the project may continue to face | August that affected claims were due to multi-faceted quality issues were individually addressed during this reporting period. IV&V notes that there is one remaining defect still being evaluated that affects a | negatively affected DOH billing processes and DOH has stated these are the most impactful defects | should continue to pursue and/or consider: 1) Perform revenue neutrality fiscal balance testing on a quarterly basis to ensure revenues are as expected. 2) Performing typical project testing including System Integration, User Acceptance, Performance, and Regression | efforts to address the highest priority RCA items resulting from the R3.12 defects. Although the entire list has not yet been prioritized, specific action is being taken to update the existing deployment standard checklist to address issues found with deployments. Further, BHA is pursuing Microsoft (MS) User Group Membership in a | 1 - | Issue | High | Open | | D Macdonald |
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| 16.000 | 10/5/2020 | Usage of Semantics and IDM for | The project noted its intent to | | | 01/31/2021 - The project has made great | Targeted KT | Concern | | Closed | The project has | D Macdonald |
|--------|------------|--|---|---|---|---|-------------|---------|--------|--------|-----------------|--------------|
| 10.000 | 10/3/2020 | development and ongoing | obtain more targeted | | | strides addressing this concern. A Semantics | Targeteu Ki | Concern | | Closed | made good | Diviacuonalu |
| | | maintenance of the system | knowledge transfer of both | | | Layer KT session was conducted on 1/29/21 | | | | | progress | |
| | | requires BHA to take a proactive | the Semantics Reporting and | | | and multiple IDM and Semantic Layer sessions | | | | | establishing | |
| | | approach to support of these tools. | IDM tools. IV&V will continue | | | has been scheduled in February. IV&V is | | | | | and initial | |
| | | | to monitor this concern. | | | closing this finding as we no longer view this | | | | | execution of | |
| | | | | | | item as a concern. | | | | | the IDM and | |
| | | | | | | 12/31/2020 - IV&V is aware that an overview | | | | | Semantics | |
| | | | | | | of the Semantics Layer KT session was held on | | | | | Layer KT plan. | |
| | | | | | | 12/16/20. The planning effort will result in | | | | | , , | |
| | | | | | | additional Semantic Layer and IDM KT sessions | | | | | | |
| | | | | | | in the coming months. IV&V will continue to | | | | | | |
| | | | | | | monitor this finding. | | | | | | |
| | | | | | | 11/30/2020 - The project conducted two high- | | | | | | |
| | | | | | | level overview sessions of the Semantic Layer | | | | | | |
| | | | | | | Reporting tools during November. One session | | | | | | |
| | | | | | | was focused on the overall Semantic Layer, and | | | | | | |
| | | | | | | the second session was focused on Semantic | | | | | | |
| | | | | | | Layer Security. Additional targeted Knowledge | | | | | | |
| | | | | | | Transfer sessions on the Semantic Layer tools | | | | | | |
| | | | | | | will need to be provided by RSM; however, | | | | | | |
| | | | | | | these have not been scheduled. IV&V will | | | | | | |
| | | | | | | continue to monitor this finding. | | | | | | |
| | | | | | | 10/31/2020 - The project intends to obtain | | | | | | |
| | | | | | | more targeted knowledge transfer for both the | | | | | | |
| | | | | | | Semantics Reporting and IDM tools and will be | | | | | | |
| | | | | | | planning and scheduling these sessions with | | | | | | |
| 17.000 | 10/27/2020 | | | | | | | | | | | |
| 1 | 10/27/2020 | The bandwidth of CAMHD | CAMHD has been provided | 1 | | 04/30/2021 - CAMHD Leadership time spent | Project | Risk | Medium | Open | | D Macdonald |
| | 10/2//2020 | Leadership is being hampered by | with an approval to | activities could be significantly | opportunities to augment the | on efforts outside of the INSPIRE Project | Management | RISK | Medium | Open | | D Macdonald |
| | 10/2//2020 | Leadership is being hampered by planning tasks and activities for | with an approval to commence planning efforts | activities could be significantly hindered by the flood of activities that | opportunities to augment the management staffing for planning Phase | on efforts outside of the INSPIRE Project continued to increase during early April but has | Management | RISK | Medium | Open | | D Macdonald |
| | 10/2//2020 | Leadership is being hampered by planning tasks and activities for assessing project expansion to | with an approval to commence planning efforts for expansion of the project | activities could be significantly hindered by the flood of activities that could occur as the department | opportunities to augment the | on efforts outside of the INSPIRE Project continued to increase during early April but has decreased at the end of the month. | Management | RISK | Medium | Open | | D Macdonald |
| | 10/27/2020 | Leadership is being hampered by planning tasks and activities for | with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH. | activities could be significantly hindered by the flood of activities that could occur as the department assesses expansion of this project to | opportunities to augment the management staffing for planning Phase | on efforts outside of the INSPIRE Project continued to increase during early April but has decreased at the end of the month. Approximately 60-70% of Leadership time was | Management | Kisk | Medium | Open | | D Macdonald |
| | 10/27/2020 | Leadership is being hampered by planning tasks and activities for assessing project expansion to | with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH. CAMHD Leadership currently | activities could be significantly hindered by the flood of activities that could occur as the department | opportunities to augment the management staffing for planning Phase | on efforts outside of the INSPIRE Project continued to increase during early April but has decreased at the end of the month. Approximately 60-70% of Leadership time was spent on Phase 4 Planning, COVID | Management | RISK | Medium | Open | | D Macdonald |
| | 10/27/2020 | Leadership is being hampered by planning tasks and activities for assessing project expansion to | with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH. CAMHD Leadership currently spends 25% of their available | activities could be significantly hindered by the flood of activities that could occur as the department assesses expansion of this project to | opportunities to augment the management staffing for planning Phase | on efforts outside of the INSPIRE Project continued to increase during early April but has decreased at the end of the month. Approximately 60-70% of Leadership time was spent on Phase 4 Planning, COVID Remediation, and the new Vaccine Registration | Management | RISK | Medium | Open | | D Macdonald |
| | 10/27/2020 | Leadership is being hampered by planning tasks and activities for assessing project expansion to | with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH. CAMHD Leadership currently spends 25% of their available time dedicated to this | activities could be significantly hindered by the flood of activities that could occur as the department assesses expansion of this project to | opportunities to augment the management staffing for planning Phase | on efforts outside of the INSPIRE Project continued to increase during early April but has decreased at the end of the month. Approximately 60-70% of Leadership time was spent on Phase 4 Planning, COVID Remediation, and the new Vaccine Registration application efforts. The CAMHD level of effort | Management | KISK | Medium | Open | | D Macdonald |
| | 10/27/2020 | Leadership is being hampered by planning tasks and activities for assessing project expansion to | with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH. CAMHD Leadership currently spends 25% of their available | activities could be significantly hindered by the flood of activities that could occur as the department assesses expansion of this project to | opportunities to augment the management staffing for planning Phase | on efforts outside of the INSPIRE Project continued to increase during early April but has decreased at the end of the month. Approximately 60-70% of Leadership time was spent on Phase 4 Planning, COVID Remediation, and the new Vaccine Registration application efforts. The CAMHD level of effort is anticipated to decrease to approximately | Management | RISK | Medium | Open | | D Macdonald |
| | 10/27/2020 | Leadership is being hampered by planning tasks and activities for assessing project expansion to | with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH. CAMHD Leadership currently spends 25% of their available time dedicated to this | activities could be significantly hindered by the flood of activities that could occur as the department assesses expansion of this project to | opportunities to augment the management staffing for planning Phase | on efforts outside of the INSPIRE Project continued to increase during early April but has decreased at the end of the month. Approximately 60-70% of Leadership time was spent on Phase 4 Planning, COVID Remediation, and the new Vaccine Registration application efforts. The CAMHD level of effort is anticipated to decrease to approximately 20% in May as DOH has hired a Project | Management | RISK | Medium | Open | | D Macdonald |
| | 10/27/2020 | Leadership is being hampered by planning tasks and activities for assessing project expansion to | with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH. CAMHD Leadership currently spends 25% of their available time dedicated to this | activities could be significantly hindered by the flood of activities that could occur as the department assesses expansion of this project to | opportunities to augment the management staffing for planning Phase | on efforts outside of the INSPIRE Project continued to increase during early April but has decreased at the end of the month. Approximately 60-70% of Leadership time was spent on Phase 4 Planning, COVID Remediation, and the new Vaccine Registration application efforts. The CAMHD level of effort is anticipated to decrease to approximately 20% in May as DOH has hired a Project Manager in April who will be dedicated to the | Management | RISK | Medium | Open | | D Macdonald |
| | 10/27/2020 | Leadership is being hampered by planning tasks and activities for assessing project expansion to | with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH. CAMHD Leadership currently spends 25% of their available time dedicated to this | activities could be significantly hindered by the flood of activities that could occur as the department assesses expansion of this project to | opportunities to augment the management staffing for planning Phase | on efforts outside of the INSPIRE Project continued to increase during early April but has decreased at the end of the month. Approximately 60-70% of Leadership time was spent on Phase 4 Planning, COVID Remediation, and the new Vaccine Registration application efforts. The CAMHD level of effort is anticipated to decrease to approximately 20% in May as DOH has hired a Project Manager in April who will be dedicated to the Vaccine Registration Project, instead of BHA | Management | RISK | Medium | Open | | D Macdonald |
| | 10/27/2020 | Leadership is being hampered by planning tasks and activities for assessing project expansion to | with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH. CAMHD Leadership currently spends 25% of their available time dedicated to this | activities could be significantly hindered by the flood of activities that could occur as the department assesses expansion of this project to | opportunities to augment the management staffing for planning Phase | on efforts outside of the INSPIRE Project continued to increase during early April but has decreased at the end of the month. Approximately 60-70% of Leadership time was spent on Phase 4 Planning, COVID Remediation, and the new Vaccine Registration application efforts. The CAMHD level of effort is anticipated to decrease to approximately 20% in May as DOH has hired a Project Manager in April who will be dedicated to the Vaccine Registration Project, instead of BHA resources IV&V will continue to monitor this | Management | RISK | Medium | Open | | D Macdonald |
| | 10/27/2020 | Leadership is being hampered by planning tasks and activities for assessing project expansion to | with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH. CAMHD Leadership currently spends 25% of their available time dedicated to this | activities could be significantly hindered by the flood of activities that could occur as the department assesses expansion of this project to | opportunities to augment the management staffing for planning Phase | on efforts outside of the INSPIRE Project continued to increase during early April but has decreased at the end of the month. Approximately 60-70% of Leadership time was spent on Phase 4 Planning, COVID Remediation, and the new Vaccine Registration application efforts. The CAMHD level of effort is anticipated to decrease to approximately 20% in May as DOH has hired a Project Manager in April who will be dedicated to the Vaccine Registration Project, instead of BHA resources IV&V will continue to monitor this finding. | Management | RISK | Medium | Upen | | D Macdonald |
| | 10/27/2020 | Leadership is being hampered by planning tasks and activities for assessing project expansion to | with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH. CAMHD Leadership currently spends 25% of their available time dedicated to this | activities could be significantly hindered by the flood of activities that could occur as the department assesses expansion of this project to | opportunities to augment the management staffing for planning Phase | on efforts outside of the INSPIRE Project continued to increase during early April but has decreased at the end of the month. Approximately 60-70% of Leadership time was spent on Phase 4 Planning, COVID Remediation, and the new Vaccine Registration application efforts. The CAMHD level of effort is anticipated to decrease to approximately 20% in May as DOH has hired a Project Manager in April who will be dedicated to the Vaccine Registration Project, instead of BHA resources IV&V will continue to monitor this finding. | Management | RISK | Medium | Upen | | D Macdonald |
| | 10/27/2020 | Leadership is being hampered by planning tasks and activities for assessing project expansion to | with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH. CAMHD Leadership currently spends 25% of their available time dedicated to this | activities could be significantly hindered by the flood of activities that could occur as the department assesses expansion of this project to | opportunities to augment the management staffing for planning Phase | on efforts outside of the INSPIRE Project continued to increase during early April but has decreased at the end of the month. Approximately 60-70% of Leadership time was spent on Phase 4 Planning, COVID Remediation, and the new Vaccine Registration application efforts. The CAMHD level of effort is anticipated to decrease to approximately 20% in May as DOH has hired a Project Manager in April who will be dedicated to the Vaccine Registration Project, instead of BHA resources IV&V will continue to monitor this finding. | Management | RISK | Medium | Upen | | D Macdonald |
| | 10/27/2020 | Leadership is being hampered by planning tasks and activities for assessing project expansion to | with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH. CAMHD Leadership currently spends 25% of their available time dedicated to this | activities could be significantly hindered by the flood of activities that could occur as the department assesses expansion of this project to | opportunities to augment the management staffing for planning Phase | on efforts outside of the INSPIRE Project continued to increase during early April but has decreased at the end of the month. Approximately 60-70% of Leadership time was spent on Phase 4 Planning, COVID Remediation, and the new Vaccine Registration application efforts. The CAMHD level of effort is anticipated to decrease to approximately 20% in May as DOH has hired a Project Manager in April who will be dedicated to the Vaccine Registration Project, instead of BHA resources IV&V will continue to monitor this finding. 03/31/2021 - CAMHD Leadership time spent on efforts outside of the INSPIRE Project | Management | RISK | Medium | Open | | D Macdonald |
| | 10/27/2020 | Leadership is being hampered by planning tasks and activities for assessing project expansion to | with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH. CAMHD Leadership currently spends 25% of their available time dedicated to this | activities could be significantly hindered by the flood of activities that could occur as the department assesses expansion of this project to | opportunities to augment the management staffing for planning Phase | on efforts outside of the INSPIRE Project continued to increase during early April but has decreased at the end of the month. Approximately 60-70% of Leadership time was spent on Phase 4 Planning, COVID Remediation, and the new Vaccine Registration application efforts. The CAMHD level of effort is anticipated to decrease to approximately 20% in May as DOH has hired a Project Manager in April who will be dedicated to the Vaccine Registration Project, instead of BHA resources IV&V will continue to monitor this finding. 03/31/2021 - CAMHD Leadership time spent on efforts outside of the INSPIRE Project continued to increase during March. More than | Management | RISK | Medium | Open | | D Macdonald |
| | 10/27/2020 | Leadership is being hampered by planning tasks and activities for assessing project expansion to | with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH. CAMHD Leadership currently spends 25% of their available time dedicated to this | activities could be significantly hindered by the flood of activities that could occur as the department assesses expansion of this project to | opportunities to augment the management staffing for planning Phase | on efforts outside of the INSPIRE Project continued to increase during early April but has decreased at the end of the month. Approximately 60-70% of Leadership time was spent on Phase 4 Planning, COVID Remediation, and the new Vaccine Registration application efforts. The CAMHD level of effort is anticipated to decrease to approximately 20% in May as DOH has hired a Project Manager in April who will be dedicated to the Vaccine Registration Project, instead of BHA resources IV&V will continue to monitor this finding. 03/31/2021 - CAMHD Leadership time spent on efforts outside of the INSPIRE Project continued to increase during March. More than 50% of Leadership time is spent on Phase 4 | Management | RISK | Medium | Open | | D Macdonald |
| | 10/27/2020 | Leadership is being hampered by planning tasks and activities for assessing project expansion to | with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH. CAMHD Leadership currently spends 25% of their available time dedicated to this | activities could be significantly hindered by the flood of activities that could occur as the department assesses expansion of this project to | opportunities to augment the management staffing for planning Phase | on efforts outside of the INSPIRE Project continued to increase during early April but has decreased at the end of the month. Approximately 60-70% of Leadership time was spent on Phase 4 Planning, COVID Remediation, and the new Vaccine Registration application efforts. The CAMHD level of effort is anticipated to decrease to approximately 20% in May as DOH has hired a Project Manager in April who will be dedicated to the Vaccine Registration Project, instead of BHA resources IV&V will continue to monitor this finding. 03/31/2021 - CAMHD Leadership time spent on efforts outside of the INSPIRE Project continued to increase during March. More than 50% of Leadership time is spent on Phase 4 Planning and COVID Remediation efforts. The | Management | RISK | Medium | Open | | D Macdonald |
| | 10/27/2020 | Leadership is being hampered by planning tasks and activities for assessing project expansion to | with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH. CAMHD Leadership currently spends 25% of their available time dedicated to this | activities could be significantly hindered by the flood of activities that could occur as the department assesses expansion of this project to | opportunities to augment the management staffing for planning Phase | on efforts outside of the INSPIRE Project continued to increase during early April but has decreased at the end of the month. Approximately 60-70% of Leadership time was spent on Phase 4 Planning, COVID Remediation, and the new Vaccine Registration application efforts. The CAMHD level of effort is anticipated to decrease to approximately 20% in May as DOH has hired a Project Manager in April who will be dedicated to the Vaccine Registration Project, instead of BHA resources IV&V will continue to monitor this finding. 03/31/2021 - CAMHD Leadership time spent on efforts outside of the INSPIRE Project continued to increase during March. More than 50% of Leadership time is spent on Phase 4 Planning and COVID Remediation efforts. The level of dedication to this effort is likely to | Management | RISK | Medium | Open | | D Macdonald |
| | 10/27/2020 | Leadership is being hampered by planning tasks and activities for assessing project expansion to | with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH. CAMHD Leadership currently spends 25% of their available time dedicated to this | activities could be significantly hindered by the flood of activities that could occur as the department assesses expansion of this project to | opportunities to augment the management staffing for planning Phase | on efforts outside of the INSPIRE Project continued to increase during early April but has decreased at the end of the month. Approximately 60-70% of Leadership time was spent on Phase 4 Planning, COVID Remediation, and the new Vaccine Registration application efforts. The CAMHD level of effort is anticipated to decrease to approximately 20% in May as DOH has hired a Project Manager in April who will be dedicated to the Vaccine Registration Project, instead of BHA resources IV&V will continue to monitor this finding. 03/31/2021 - CAMHD Leadership time spent on efforts outside of the INSPIRE Project continued to increase during March. More than 50% of Leadership time is spent on Phase 4 Planning and COVID Remediation efforts. The level of dedication to this effort is likely to continue to increase in the coming months. | Management | RISK | Medium | Upen | | D Macdonald |
| | 10/27/2020 | Leadership is being hampered by planning tasks and activities for assessing project expansion to | with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH. CAMHD Leadership currently spends 25% of their available time dedicated to this | activities could be significantly hindered by the flood of activities that could occur as the department assesses expansion of this project to | opportunities to augment the management staffing for planning Phase | on efforts outside of the INSPIRE Project continued to increase during early April but has decreased at the end of the month. Approximately 60-70% of Leadership time was spent on Phase 4 Planning, COVID Remediation, and the new Vaccine Registration application efforts. The CAMHD level of effort is anticipated to decrease to approximately 20% in May as DOH has hired a Project Manager in April who will be dedicated to the Vaccine Registration Project, instead of BHA resources IV&V will continue to monitor this finding. 03/31/2021 - CAMHD Leadership time spent on efforts outside of the INSPIRE Project continued to increase during March. More than 50% of Leadership time is spent on Phase 4 Planning and COVID Remediation efforts. The level of dedication to this effort is likely to continue to increase in the coming months. IV&V has raised the priority of this finding from | Management | RISK | Medium | Upen | | D Macdonald |
| | 10/27/2020 | Leadership is being hampered by planning tasks and activities for assessing project expansion to | with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH. CAMHD Leadership currently spends 25% of their available time dedicated to this | activities could be significantly hindered by the flood of activities that could occur as the department assesses expansion of this project to | opportunities to augment the management staffing for planning Phase | on efforts outside of the INSPIRE Project continued to increase during early April but has decreased at the end of the month. Approximately 60-70% of Leadership time was spent on Phase 4 Planning, COVID Remediation, and the new Vaccine Registration application efforts. The CAMHD level of effort is anticipated to decrease to approximately 20% in May as DOH has hired a Project Manager in April who will be dedicated to the Vaccine Registration Project, instead of BHA resources IV&V will continue to monitor this finding. 03/31/2021 - CAMHD Leadership time spent on efforts outside of the INSPIRE Project continued to increase during March. More than 50% of Leadership time is spent on Phase 4 Planning and COVID Remediation efforts. The level of dedication to this effort is likely to continue to increase in the coming months. IV&V has raised the priority of this finding from Low to Medium and will continue to monitor | Management | RISK | Medium | Open | | D Macdonald |
| | 10/27/2020 | Leadership is being hampered by planning tasks and activities for assessing project expansion to | with an approval to commence planning efforts for expansion of the project for ADAD and AMHD & HSH. CAMHD Leadership currently spends 25% of their available time dedicated to this | activities could be significantly hindered by the flood of activities that could occur as the department assesses expansion of this project to | opportunities to augment the management staffing for planning Phase | on efforts outside of the INSPIRE Project continued to increase during early April but has decreased at the end of the month. Approximately 60-70% of Leadership time was spent on Phase 4 Planning, COVID Remediation, and the new Vaccine Registration application efforts. The CAMHD level of effort is anticipated to decrease to approximately 20% in May as DOH has hired a Project Manager in April who will be dedicated to the Vaccine Registration Project, instead of BHA resources IV&V will continue to monitor this finding. 03/31/2021 - CAMHD Leadership time spent on efforts outside of the INSPIRE Project continued to increase during March. More than 50% of Leadership time is spent on Phase 4 Planning and COVID Remediation efforts. The level of dedication to this effort is likely to continue to increase in the coming months. IV&V has raised the priority of this finding from Low to Medium and will continue to monitor moving forward. | Management | RISK | Medium | Open | | D Macdonald |

| 18.000 | 11/30/2020 | Due to consistent technical issues | The IDM and Semantic layer | | IV&V recommends the project to | 04/30/2021 - BHA continues to work with | Release/Deployme | Iccuo | High | Open | D Macdonald |
|--------|------------|---|---|---|--|--|---------------------------------|-------|-------|------|---------------|
| 18.000 | 11/30/2020 | requiring escalation to Microsoft, | efforts have experienced | | continue to monitor the status of | Microsoft on technical issues as they arise in | nt Planning | issue | підіі | Open | Diviaccionald |
| | | some project efforts are being | several delays attributable to | | outstanding Microsoft tickets and to | the Government Community Cloud (GCC) | III Pidililling | | | | |
| | | delayed. | issues escalated to Microsoft. | | escalate the priority of these tickets as | instance. The issue with fields being locked has | | | | | |
| | | uelayeu. | The issues have ranged from | | deemed necessary. | been resolved, however, a new MS ticket was | | | | | |
| | | | administrative / | | deemed necessary. | opened to address workflows and business | | | | | |
| | | | communication (entering | | | rules being disabled after a solution upgrade | | | | | |
| | | | issues into the Commercial | | | was applied. This issue has put a halt to all | | | | | |
| | | | support instance vs the | | | solution aware CRM development and code | | | | | |
| | | | Government Cloud support | | | promotion work. This issue has delayed the | | | | | |
| | | | instance), to several key | | | R3.15 production release by at least a week. | | | | | |
| | | | technical issues requiring | | | IV&V will continue to monitor this finding. | | | | | |
| | | | assistance to resolve. To date, | | | 03/31/2021 - BHA continues to work with | | | | | |
| | | | these support needs have | | | Microsoft on technical issues as they arise in | | | | | |
| | | | added over a month to the | | | the Government Community Cloud (GCC) | | | | | |
| | | | IDM and Semantic Layer | | | instance. The issue with fields being locked is | | | | | |
| | | | project schedules. | | | still outstanding. IV&V will continue to monitor | | | | | |
| | | | project scriedules. | | | this finding. | | | | | |
| | | | | | | 02/28/2021 - BHA continues to work with | | | | | |
| | | | | | | Microsoft on technical issues as they arise in | | | | | |
| | | | | | | the Government Community Cloud (GCC) | | | | | |
| | | | | | | instance. IV&V will continue to monitor this | | | | | |
| | | | | | | finding. | | | | | |
| | | | | | | 01/31/2020 - While most of the Microsoft | | | | | |
| | | | | | | issues were fixed, the 'first 10 rows', the 'multi- | | | | | |
| | | | | | | select options', and 'unmanaged layer on the | | | | | |
| | | | | | | Case entity' issues are partially outstanding | | | | | |
| | | | | | | | | | | | |
| 10 000 | 12/21/2020 | Due to on coine dealerment | Thorobous hose several | Danastahla dan unantad salassa and | Davidan a plan ta institutionalise the | , , , | Dalagaa /Danlay | lecuo | Lligh | 0 | D Mandanald |
| 19.000 | 12/31/2020 | Due to on-going deployment | There have been several | Repeatable documented release and | Develop a plan to institutionalize the | 04/30/2021 - The R3.12 Root Cause Analysis | Release/Deployme | Issue | High | Open | D Macdonald |
| 19.000 | 12/31/2020 | processes and technical execution | defects pushed to production | deployment will help ensure that | execution of "Smoke Testing" for | 04/30/2021 - The R3.12 Root Cause Analysis (RCA) effort completed in March resulted in | Release/Deployme nt Planning | Issue | High | Open | D Macdonald |
| 19.000 | 12/31/2020 | processes and technical execution issues, the project may continue to | defects pushed to production with Phase 3 releases. Some of | deployment will help ensure that mistakes are minimized, and that | execution of "Smoke Testing" for promotions to non-production and | 04/30/2021 - The R3.12 Root Cause Analysis (RCA) effort completed in March resulted in several recommendations for increasing the | | Issue | High | Open | D Macdonald |
| 19.000 | 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 defects introduced to | deployment will help ensure that mistakes are minimized, and that functionality is not mistakenly | execution of "Smoke Testing" for promotions to non-production and production environments. This will help | 04/30/2021 - The R3.12 Root Cause Analysis (RCA) effort completed in March resulted in several recommendations for increasing the quality of deployments. One of the high | | Issue | High | Open | D Macdonald |
| 19.000 | 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 | deployment will help ensure that mistakes are minimized, and that functionality is not mistakenly deprecated when deployments take | execution of "Smoke Testing" for promotions to non-production and production environments. This will help to ensure that all components needed to | 04/30/2021 - The R3.12 Root Cause Analysis (RCA) effort completed in March resulted in several recommendations for increasing the quality of deployments. One of the high priority items resulting from the RCA was to | | Issue | High | Open | D Macdonald |
| 19.000 | 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 | deployment will help ensure that mistakes are minimized, and that functionality is not mistakenly | 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 | 04/30/2021 - The R3.12 Root Cause Analysis (RCA) effort completed in March resulted in several recommendations for increasing the quality of deployments. One of the high priority items resulting from the RCA was to update the deployment checklists and provide | | Issue | High | Open | D Macdonald |
| 19.000 | 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 environmental promotional | deployment will help ensure that mistakes are minimized, and that functionality is not mistakenly deprecated when deployments take | 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. | 04/30/2021 - The R3.12 Root Cause Analysis (RCA) effort completed in March resulted in several recommendations for increasing the quality of deployments. One of the high priority items resulting from the RCA was to update the deployment checklists and provide a secondary review prior to executing a | | Issue | High | Open | D Macdonald |
| 19.000 | 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, | deployment will help ensure that mistakes are minimized, and that functionality is not mistakenly deprecated when deployments take | 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. Work in collaboration with RSM to | 04/30/2021 - The R3.12 Root Cause Analysis (RCA) effort completed in March resulted in several recommendations for increasing the quality of deployments. One of the high priority items resulting from the RCA was to update the deployment checklists and provide a secondary review prior to executing a deployment. A task was assigned to a member | | Issue | High | Open | D Macdonald |
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| 20.000 | | The pending RSM contract expiration will require BHA to perform transition of the D365 solution to the State prior to contract end. | to ensure that it has all knowledge transfer and is fully capable of managing all aspects of supporting and | DOH needs to be in a position to completely stand on its own without the assistance of vendor support by fall of 2021. If DOH is not in a position to solely take on the development of user stories, testing, regression testing, deployment, and the support and maintenance of the entire system, there is a risk that environment stability may be challenged. | project prior to September 2021. If the | 04/30/2021 - The RSM contract amendment is still pending approval. This amendment will extend the DD&I effort (Mod 5) to the end of December 2021 and will also provide M&O services (Mod 6) through May 2022. Mod 5 is expected to be approved in May 2021. This will delay the near-term need for a Transition Plan until first quarter 2022. IV&V will continue to monitor this finding. | Project Management | Concern | | | The RSM contract amendment was executed during April, alleviating the near-term need for a Transition Plan. This amendment extended the DD&I effort to the end of December 2021, and will provide M&O services through May 2022. IV&V will re-visit this subject 4-5 months prior to the new contract expiration date. | Vic Dudoit |
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| 21.000 | 4/30/2021 | The DDD Project Manager will be on leave and unavailable to the project starting in May. | The DDD Project Manager performs most of the project duties on behalf of DDD and her absence may cause an increased level of risk to the project. DDD has commenced planning efforts and has assigned staff to backfill her, although they are currently assigned to other project tasks and activities. IV&V will continue to monitor this preliminary concern. | The DDD Project Manager is critical to all daily project interactions affecting DDD from a functional and managerial perspective. If her duties are not reassigned to capable staff prior to her planned absence, DDD will be in a challenged position to effectively contribute to at least the next several releases. | Ensure that the highest priority items are re-assigned to other staff within DDD prior to the DDD PM's planned absence, considering their existing workload and other assignments. | | Project Management | Concern | C | Open | | Darren |