**NSSP Weekly Report**

# **NSSP Week Ending 09/15/2017 POC: Alan Davis**

# NSSP Items This Week

# The NSSP IT project operates with two primary sub-projects for tracking purposes: (1) Development and (2) Technical Assistance. The Onboarding project is a sub-project of Technical Assistance. Several charts depicting the weekly status of these projects, as well as glossary of chart terms, can be found in the Appendix.

# Development Sprint Chart

In order to perform Earned Value Management, the BioSense/NSSP IT project team will begin estimating sprints in hours and not sprint points. Earned value project/performance management (EVPM) is a project management technique for measuring project performance and progress in an objective manner. In this version of a sprint burn down chart the red line going down represents the value earned (work completed against the estimate) and the green line represents the hours worked.



# Development Velocity Summary – Last 5 Sprints

| **Sprint and Start Date** | **Sprint Items** | **Sprint Backlog Total Time (hours)****Initial + Changes** | **Scope Changes****(hours)** | **Sprint Velocity****Time (hours) Completed** | **Time (hours)****Unfinished** |
| --- | --- | --- | --- | --- | --- |
| Sprint 72, 09/11/17 | 55 | 583 | 31 | 109 | 474 |
| Sprint 71, 08/28/17 | 48 | 785 | 66 | 527 | 258 |
| Sprint 70, 08/14/17 | 59 | 666 | 6 | 481 | 183 |
| Sprint 69, 07/31/17 | 57 | 910 | (1) | 624 | 286 |
| Sprint 68, 07/17/17 | 61 | 833 | 44 | 676 | 156 |

 *Note*: Negative scope hours are reflective of items taken from the sprint over a two week period (sprint start and end).

# Description of Current Key Activities

In this section we will summarize the key activities in-progress for the week. This section will provide a high-level overview of the main areas of focus for each key activity. The activities are listed in alphabetical order.

* **AMC Active Directory:** The purpose of this activity is to complete the work necessary for single-sign on username and password across the tools/services on the NSSP BioSense Platform. When the work is complete users will have one username and password to control access to AMC, ESSENCE, RStudio, SAS, Adminer, and the BioTerminal. Currently, there are different username/passwords for AMC and RStudio. The expected release date of the new authentication process for AMC has been pushed back in order to support Hurricane crises. The CIDROC ORR was completed on August 23, 2017. The Enterprise Governance EPLC meeting was held on on September 6, 2017. The activities described below are part of the tasks accomplished and planned to achieve the deadline.
* **Legacy Data Migration:** The purpose of this activity is to migrate data from the old BioSense platform databases to ESSENCE. There are several steps to do the Legacy data migration process including developing base code for PHINMS and SFTP versions, collecting special requirements from sites, modifying code as needed, communications, QA, and data processing.
* **Master Facility Table User Interface Requirements:** The purpose of this activity is to finalize the initial requirements for the Master Facility Table proposed user interface. Development for the new UI is projected for after the Active Directory implementation is complete.
* **Data Sharing Reports Requirements:** In August, the first requirements session for revisiting the BioSense Platform data sharing report. This is the first step in recreating a data sharing report off of the Access and Management Center’s data access rules.

# Key Accomplishments (across the project)

| **Category** | **Key Accomplishments and Plans** |
| --- | --- |
| Requirements  | * Access Management Center (AMC)
	+ Developed wireframes for redesign of Manage User Profile screen.
	+ Investigated issue of adding users to inactive sites.
	+ Reviewed requests to build out AMC data templates.
* Master Facility Table (MFT)
	+ Reviewed MFT UI requirements and highlighted gaps.
 |
| System Development & Maintenance  | * Server Operations & Maintenance
	+ Progressed implementation of Environment Manager Reporting.
	+ Progressed customization of canned EM reports.
	+ Progressed definition of classification groups for Environment Manager.
	+ Initiated building alerts from Environment Manager.
	+ Developed code to convert dates for Reporting table view.
	+ Conducted cross-server (double-hop) query analysis.
	+ Initiated system performance metrics analysis and report.
	+ Restored ER\_Base from early September to DataMart.
* Access Management Center (AMC)
	+ Initiated sync of AMC and ESSENCE user permissions.
	+ Initiated update of AMC AD and normal AMC email language for Production.
* Other
	+ Investigated and confirmed the Lights on Report schema views contained the correct date column types.
	+ Provided ASPR Mirth Support.
	+ Initiated work on DOD: Update Stored Procedures in Master Facility Processing Code.
 |
| Data Onboarding  | * Data Flow
	+ Monitored data feeds during hurricane crisis.
	+ Completed Data low Investigation Instruction sheet.
	+ Initiated site data deletion and reprocessing.
 |
| Technical Support  | * Internal
	+ Performed KT to pass along service desk duties.
	+ Provided project management with list of AD/AMC users.
 |
| Data Analytics  | * Legacy
	+ Completed legacy conversions for three sites and pushed data into Production.
	+ Performed patching for legacy conversion.
* Data Quality
	+ Initiated Minnesota data processing fix.
 |
| Training and Communication | N/A |

# Plans for Next Week (across the project)

| **Category** | **Key Accomplishments and Plans** |
| --- | --- |
| Requirements | * Active Directory (AD)
	+ Complete testing in Staging environment.
	+ Perform last minute bug testing.
* MFT
	+ Review and finalize MFT UI requirements.
 |
| System Development & Maintenance | * Server Operations and Maintenance
	+ Finalize Environment Manager Reporting buildout.
	+ Provision users for SAS Studio.
	+ Document SAS Studio Functionality – SAS Quick Start Guide.
	+ Review server log for errors/defects.
	+ Assist site with ESSENCE Tomcat Pinger + restart.
* Access Management Center (AMC)
	+ Execute cosmetic fixes and button location change.
* Other
	+ Generate list of users in AMC Production since 08/31.
	+ Document LOE and design for adding 5 additional columns for DOD MFT.
	+ Generate SQL code to delete site data.
	+ Perform patching in Staging and Production environments.
 |
| Data Onboarding | * New Sites
	+ Reach out to new site’s meditech contact.
	+ Provide support to Onboarding sites.
	+ Create Onboarding SOP and checklist.
* Master Facility Table
	+ Upload the DOD MFT to the MF Profile DB.
* Other
	+ Present issue tracking SOP section to CDC.
 |
| Technical Support | * Internal
	+ Initiate training of new Onboarding team member.
 |
| Data Analytics | * Legacy
	+ Execute fix for legacy defect.
	+ Initiate semicolon data change request.
 |
| Training & Communication | * Send communication with updated date for AD deployment.
 |

# New/Significant Project Issues/Risks/Scope Changes for Current Sprint

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Type** | **ID** | **Description** | **Mitigation/Action Taken** | **Status** | **Owner** |
| Risk | R012 | Amazon infrastructure issues may affect BioSense Platform infrastructure. | Monitor Amazon performance and prioritize and respond to issues as determined by the project team. | Monitor | Mike Coletta |
| Risk | R013 | The development, testing, and staging environment AMC applications are not independent systems. Existing connections between each may lead to issues when new development is implemented | The team will work to identify a long term solution to separate the applications (AMC & ESSENCE) in each environment. In the short term, they will create and adhere to SOPs and checklists for releasing new builds in each environment | Monitor | Mike Coletta |
| Risk | R014 | There is a delay in Production AMC when AMC writes data access rules to ESSENCE. This can lead to rule duplication and rules deletion.  | The team will work to investigate the cause of this delay. In the long term, they will look into removing edit capabilities within the ESSENCE application. | Monitor | Mike Coletta |

System Maintenance, Updates and Outages

|  |  |  |  |
| --- | --- | --- | --- |
| **Date(s) Time(s) of Outages/Updates/Patches** | **Estimated Downtime** | **Reason** | **Expected or Unexpected** |
|  N/A |  |  |  |
|  |  |  |  |
| **Production ESSENCE Restarts** |
| **Week** | **Number of ESSENCE Restarts** |
| 09/11/17 – 09/15/17 | 12 |

# Requirements Status and Agile Development Activities (Sub-task 2.3.2 & Sub-task 2.3.6)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Date** | **Last Week's Activities** | **%****Complete** | **Upcoming Activities** |
| Data Flow  | 08/26/2017 | Completed C\_Patient\_Class testing in staging and initiated in production.  | 90% | Expected to complete in the following week.  |
| Access & Management Center | 08/26/2017 | Active Directory Staging almost complete | 80% | Complete regression testing and prepare for AD deployment in production.  |
| Master Facility Table | 08/26/2017 | No activities last week. | 50% | Continue updating requirements documentation.  |
| Reporting  | 08/26/2017 | Met with CDC to discuss time/date in databases and gathered requirements to create views to help with time/data and joins | 25% | Complete views.  |

# Community Enhancement Requests

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Enhancement Type** | **Key** | **Summary** | **Status** | **Created** | **Updated** |
| General Feedback | NTA-1443 | Data provider request to see DOB included in chief complain field for work flow purposes | Open | 08/15/2017 | 08/22/2017 |
| General Feedback | NTA-1498 | ESSENCE myAlert Subscriptions – identify date of initial subscription and subscribed user | Open | 08/24/2017 | 08/29/2017 |
| Feature/Improvement | NTA-1525 | Add queries to myESSENCE dashboards directly from the Query Manager. | Open | 08/30/2017 | 08/31/2017 |
| General Feedback | NTA -1533 | Incorrect concatenation of data field Visit\_Type\_Code. | Open | 08/31/2017 | 09/01/2017 |
| General Feedback | NTA-1583 | User unable to login to sFTP site | Open | 09/13/2017 | 09/15/2017 |

**Appendix**

# Status of This Week’s Technical Assistance Requests

# In order to monitor the quality of service provided to external users, the BioSense/NSSP IT project team measures the number of technical assistance requests received in a given week against the number of requests resolved. In this chart you can see the breakdown by issue type of the received requests, as well as the status of the requests.

# Status of This Week’s Development Requests

# In order to track the progress of the sprint, the BioSense/NSSP IT project team measures the number of development tickets created and resolved on a weekly basis, as well as the overall number of open tickets left to be resolved. In this chart you can see the breakdown by ticket issue type and the status of the tickets.

# Development and Technical Assistance Tickets for Current Sprint

The below Chart displays the total number of tickets created this week for the functional development of the current sprint. The chart breaks down the tickets based on the Priority Rubric they were created under.

# Status of This Week’s Onboarding Requests

# In order to monitor the onboarding progress of new sites, the BioSense/NSSP IT project team measures the number of onboarding tickets created and resolved on a weekly basis, as well as the overall number of open tickets left to be resolved. This information allows the project team to quickly analyze pain points and work to resolve them.

# Chart Glossary

| **Term** | **Definition** |
| --- | --- |
| **Technical Assistance JIRA Ticket Types** |
|  Feat. /Func. Suggestion | A feature or functionality suggested by users/stakeholders. |
|  Onboarding | An onboarding-related technical item. |
|  Processing | A request/item that relates to data processing. |
|  Questions | Any questions for the technical assistance team, e.g. HL7 mapping guide. |
|  Tech. Issue - Backend | A technical issue with the backend of the BioSense system. |
|  Tech. Issue - Frontend | A technical issue with the frontend of the BioSense system. |
|  User Accnt/Access | A user account or access request, e.g. R Studio access. |
|  Other | Other technical requests, e.g. request for new certificates. |
| **Development JIRA Ticket Types** |
|  Task/Sub-Task | A development-related issue or request. |
|  Improvement | A suggested change to the system. |
|  New Feature/Function | A suggested new feature to the system. |
|  Bug | A development-related issue or defect. |
| **Status** |
|   **Open** | The item/ticket is in queue. |
|  **Active** | The item/ticket is in progress. |
|  **Inactive** | Work on the item/ticket has started, but is on hold for a particular reason. |
|  **Waiting for Customer/Support** | The item/ticket is being worked on and is waiting on a reply from the customer or support. |
|  **Resolved** | The item/ticket is done, but needs to be reviewed. |
|  **Complete** | The item/ticket is done and has been reviewed. |
|  Re-opened | After being resolved or complete, the ticket is re-opened for a particular reason. |
|  Priority Rubric | The development and technical assistance tickets grouped by BioSense Platform functional area |
| **Other Items** |
|  BTA | BioSense Technical Assistance. Item/tickets related to technical assistance and coming through the Help Desk. |
|  BA | BioSense Agile. Items/tickets related to development or feature requests or backlog. |
|  Agile | Software development methodology to create requirements and solutions. |