

DEPARTMENT OF VETERANS AFFAIRS

Grassroots Innovation

VHA Innovation Program (10P7I)

VA118-12-C-0067

Remote Veterans Apnea Management Portal (REVAMP)

Monthly Progress Report

May 5, 2013

Intellica

Improving Healthcare Through Intelligent Computer Applications

REVAMP

Project Management

Meetings/Deliverables:

- 04/04/13 REVAMP Second Training Session
- 04/11/13 REVAMP Technical Interchange Meeting
- 04/18/13 REVAMP Technical Interchange Meeting
- 04/18/13 Delivery of
 - Technical Manual
 - REVAMP Prototype
 - Readiness Report
 - Source Code (including auto-population Subjective Note feature and MDWS TIU Note integration)
- 04/25/13 REVAMP Technical Interchange Meeting

REVAMP Software Status

- 04/18/13 Delivery of:
 - Technical Manual
 - Readiness Report
 - Source Code (including auto-population Subjective Note feature and MDWS TIU Note integration)
- Any bugs/issues found are being addressed and included in Bug Log

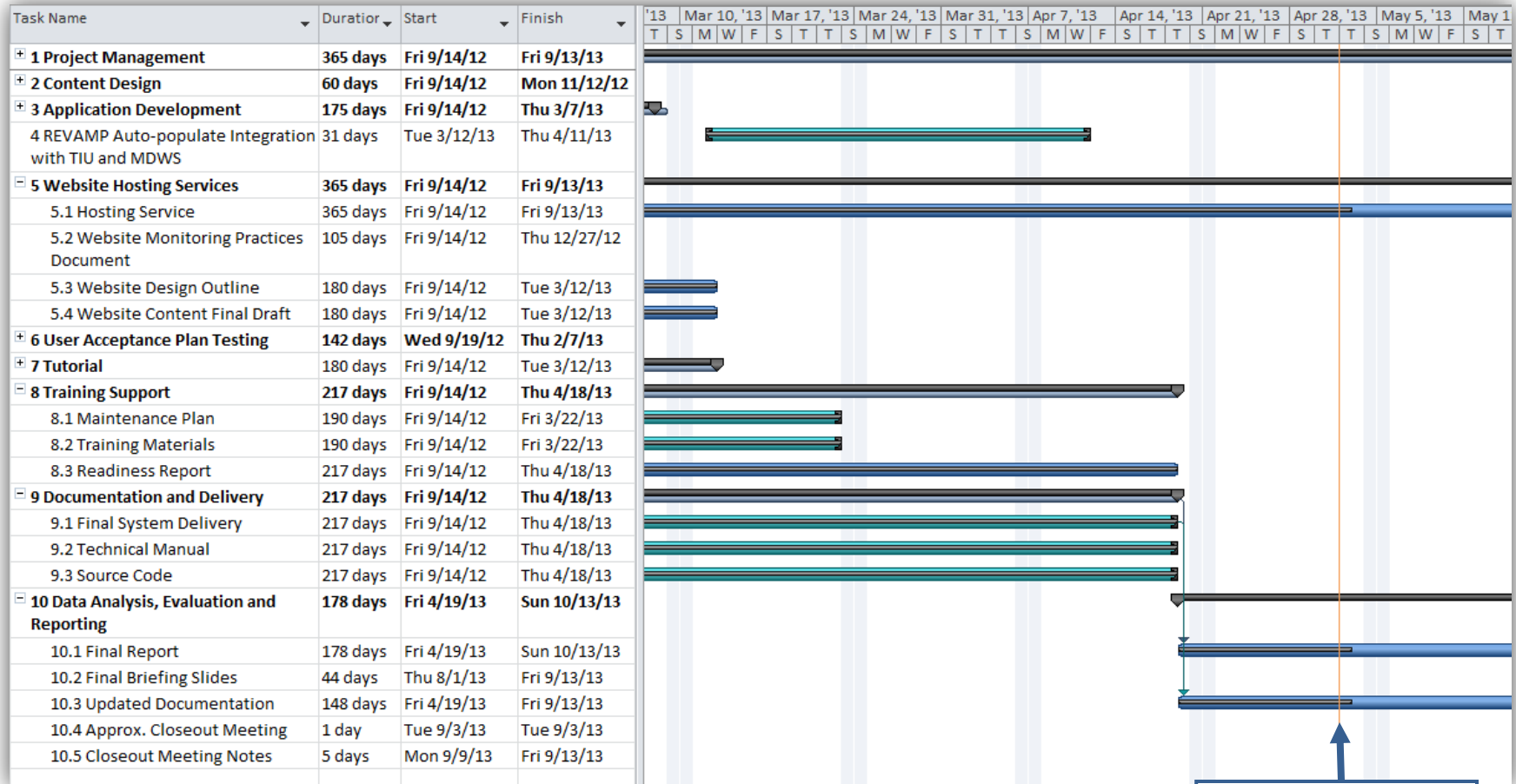
User Experience

Training Session II 04/04/13 VA and Veteran Facing Portals, Troubleshooting
Demonstration during 04/11/13 meeting (Wireframes Auto-population Subjective Note)
Demonstration during 04/18/13 meeting (Auto-population Subjective note, MDWS TIU Note integration, and CMS Anchor function)

Planned Accomplishments

- 05/05/13 Monthly Report
- Continue Capturing Data in Analytic Tool

Overall Project Plan



Currently Here

Critical Path Activities – Status as of 30 April 2013

- Kickoff - Complete
- User Stories/Requirements – Complete
- Set up AutoPAP Data Exchange – Complete
- Veteran-facing Portal development – Complete (addressing any bugs)
- VA-facing Portal development – Complete (addressing any bugs)
- AutoPAP Interface development - Complete
- Analytical Tool development - Complete
- User Acceptance Testing - Complete
- Final Prototype – Complete* (addressing any bugs)
- Data Collection – In Progress
- Data Analysis, Evaluation, Reporting - TBD
- Final Delivery – TBD

*Development Phase is closed

Open Action Item Summary




Action Item	Owner	Due Date	Status
Sandbox Server needed for MDWS Demo Accessibility	Intellica – Mr. Craig Rebo VA – Mr. Blake Henderson	5/15/2013	Pending – Ticket # 1955 VA Help Desk. 5/2/13 Intellica has received passwords for servers. Intellica verified ability to log on and will proceed with set up. In order for VA to be able to access and demo the MDWS TIU Integration, a Sandbox server is needed outside of Mr. Rebo’s box.
SSL Certificate	Intellica – Mr. Rafa Morales VA – Mr. Blake Henderson	ASAP	Not Complete - Ticket #1914 VA Help Desk. SSL Certificate was requested.
MDWS Sandbox demographic data needed for testing	Intellica – Mr. Craig Rebo VA – Mr. Blake Henderson	5/15/2013	Not Complete – Needed: sample patients with demographic data in Sandbox to be able to test demographic fields.
Reinstate Communication with Philips	Intellica – Mr. Samuel Mata/ Ms. Marisol Smith Philips – Mr. Jeff Fuhrman	ASAP	Not Complete – Mr. Fuhrman is looking into why the password for Intellica to access Philips data is not longer functioning. Intellica is in communication with Mr. Fuhrman and VA.
Finalize data retrieval from ResMed	Intellica – Mr. Craig Rebo	3/7/2013	Pending – Account is being set up. Next step is to have EasyCare Online account set up. Interface has been set up and tested, it is functioning correctly/Intellica was able to retrieve data. Ready for live data.





Risk/Issue Tracker

Severity:

Low:  Moderate:  Significant:  Severe: 

Trend:

Steady:  Improving:  Deteriorating: 

Severity	Focus Area	Risk/Issue Description	Last Update	Mitigation Path	Trend	Owner
	AutoPAP interface	ResMed and Philips receive the CPAP data from the patient. Intellica needs access to this data.	04/30/13 Probability: L Impact: H	Communicating with ResMed and Philips regarding method of accessing data. Communicating with VA regarding agreements between the companies and VA.		Mr. Craig Rebo
	AutoPAP interface	Patient data will be received and needs to be matched to patient records. At times a patient may change machines.	04/30/13 Probability: L Impact: H	Communicating with ResMed and Philips to know how data can be identified. Incorporating fields in patients' records to ensure data is linked correctly.		Mr. Craig Rebo

Compilation of Technical Interchange Meeting (TIM) Minutes for April

Technical Interchange Meeting Minutes From Thursday, 11 April 2013

Topics Covered:

Status of Application

1. The two new features being added to the application are almost done.
2. Intellica asked about the status of the request to move the delivery of these features to 18 April 2013. VA approved request.
3. The Technical Manual, Source Code, and Readiness Report will be turned in when the application has been completed.
4. VA mentioned there is a milestone coming up in June. Dr. Kuna and Dr. Stepnowsky will demo the application in front of an important audience. VA wanted to verify if there are any concerns about the application being ready for the demo.
 - a. Intellica is planning on having the features ready for training users Thursday of next week (18 April 2013).
 - b. The only concern Intellica has at the moment is not getting the database set up in the Sandbox on time.

Subjective Note Auto-population

1. Mr. Santana explained the process of creating and populating an encounter.
2. A new screen was added where the Provider can review the questionnaires that have been completed and see a list of questionnaires that have not been completed.
3. The new screen:
 - a. Allows Providers to tie the questionnaires to the correct note
 - b. Gives the Provider the opportunity to review the data that will be included in the note that is being created by the Provider
4. The User has to place a checkmark by each questionnaire to attach it, but he/she does not have to read the whole questionnaire.
5. VA mentioned it will be nice to be able to see if a patient has not completed all questionnaires; which ones they are missing.
6. When the User selects a template the system will pull the data for that note.
7. A sample populated note was presented.
8. Dr. Kuna requested that the Epworth questionnaire have the results presented in a formatting similar to the following below, where the first column includes the numerical value of the patient selection.

 - 0 Sitting and reading
 - 3 Watching TV
 - 1 Sitting inactive in a public place
 - 2 As a passenger in a car sitting inactive
9. The Symptoms Follow Up questionnaire should stay with text instead of numbers because providers aren't as familiar with the numbers for this questionnaire.
10. The variables in the application are designed to show a blank space with a line underneath i.e. _____ when the data is not available.
 - a. This will allow the provider to know if any data is missing.
 - b. The provider can manually enter the data in these areas.

MDWS/TIU Integration: Connecting and bringing information from MDWS

1. In order to run the TIU note the User has to look up a patient in MDWS.
2. There is no data to pull from MDWS for a sleep specialist. Intellica wanted to know if, by default, it is ok to put the Provider that adding the patient as the sleep specialist.
 - a. This process will only happen the first time the patient is brought from MDWS.
 - b. If desired, the sleep specialist can be changed in the patient demographics screen.
3. VA approved of this method of initially setting the sleep specialist.
4. VA brought up that several providers may write notes for the same patient.
5. Intellica explained that more than one provider can take part of, and document, the patient's treatment but the patient account is going to be associated with one provider.
6. The Provider accounts will be associated with MDWS by entering the MDWS credentials in the change password screen.
 - a. The Provider will only have to do this once to link the accounts, as the credentials will be saved as encrypted data associated to the account.
 - b. The only time the Provider will have to enter the information again is if the credentials on CPRS change (e.g. password expires and has been reset, etc.)
7. The first time the User looks up a patient it will be a little slower because it has to connect to MDWS.
8. When connected to MDWS, Users will no longer have the screen to enter a new patient. The patients can only be inserted from MDWS. VA approved.
9. The User will look up the patient using the look up dialog (by LSSN or Last Name). The User ID (related to Analytic Tool) will only look in the REVAMP database.
10. The first time a patient is looked up, the name, last name, SSN, DOB, and gender will be pulled from MDWS and saved onto the patient's demographics.
 - a. It would be helpful to pull down contact information also, if available on CPRS.
 - b. Mr. Rebo is going to look into what data from the REVAMP demographics page is available on CPRS.
11. If the application is not going to be connected to MDWS the User be able to create patients locally instead.

12. The first screen that will show up after looking up a new patient is the encounter screen.

MDWS/TIU Integration: TIU Note

1. A 'Write TIU' tab will be added to the SOAP note area.
2. The User will select:
 - a. CPRS note title
 - b. CPRS clinic
3. The TIU note will combine the text in the Subjective, Objective, and Assessment/Plan tabs. VA agreed with this content.
4. The note will be added as a historical note in CPRS.
5. Once the note gets to CPRS it cannot be modified.
6. Intellica asked if VA would like:
 - a. To require for the note to be locked in order to send the TIU note and/or
 - b. To have a message pop up to warn the User that they need to verify that the note is complete before sending it to CPRS.
7. VA stated the TIU note is a very important asset.

Training

1. Next week Intellica will train VA on new functionality.
2. There is still time available for training. VA can let Intellica know if they are interested in any more training in a specific area or for other personnel.

Technical Interchange Meeting Minutes

From

Thursday, 18 April 2013

Topics Covered:

Status of Application

1. Auto Populate notes are finished and will be deployed to production on Monday, 22 April. Deployment will start late tonight, 18 April. Testing will occur over the weekend 20-21 April to ensure proper deployment
2. TIU Integration is complete, except for testing of patient contact information. TIU integration is in sandbox with no schedule date of deployment.
3. Technical Manual and Source Code are complete and will be uploaded.
4. Readiness report is complete and has been uploaded to WIKI. Ms. Smith briefly reviewed the document in the meeting.

Training

1. Ms. Smith led training on how anchor links on pages and how the auto-population functions in the SOAP note.
2. Mr. Rebo led training on MDWS TIU note integration.

Technical Interchange Meeting Minutes

From

Thursday, 25 April 2013

Topics Covered:

Status of Application

1. There are no new updates concerning the application development.
2. No issues or errors were reported this week.
3. Dr. Kuna said that he has completed part of the program with one patient, and plans to include more patients.
4. Dr. Stepnowsky said that REVAMP software has been presented to the sleep Apnea Team and he expects to start treating patients soon.
5. Overall positive feedback from staff demo. Features that were of interest:
 - a. A single platform for both sites
 - b. CPRS integration
 - c. Automated questionnaires
6. Auto-populate feature yet to be utilized.

Other

1. The project is starting the second phase in which data is collected to be analyzed and presented in a Final Report at the end of the project. Evaluation Criteria includes:
 - a. Technical Viability
 - b. Usability

- c. Suitability for Integration with VA business processes
 - d. Effectiveness in improving the quality, accessibility, cost and performance of the healthcare delivered
2. The next meeting will be May 9.