

DEPARTMENT OF VETERANS AFFAIRS

Grassroots Innovation

VHA Innovation Program (10P7I)

VA118-12-C-0067

Remote Veterans Apnea Management Portal (REVAMP)

Monthly Progress Report

April 5, 2013

Intellica

Improving Healthcare Through Intelligent Computer Applications

REVAMP

Project Management

Meetings/Deliverables:

- 03/07/13 REVAMP Technical Interchange Meeting
- 03/07/13 Delivery of REVAMP Prototype 6
- 03/14/13 REVAMP Technical Interchange Meeting
- 03/14/13 Delivery of REVAMP Prototype 7
- 03/21/13 REVAMP Technical Interchange Meeting
- 03/21/13 Delivery of REVAMP Prototype 8
- 03/28/13 Content Management System Training Session

REVAMP Software Status

- Main Development closed 3/21/13
- Contract Modification features being developed
- Any bugs found being addressed

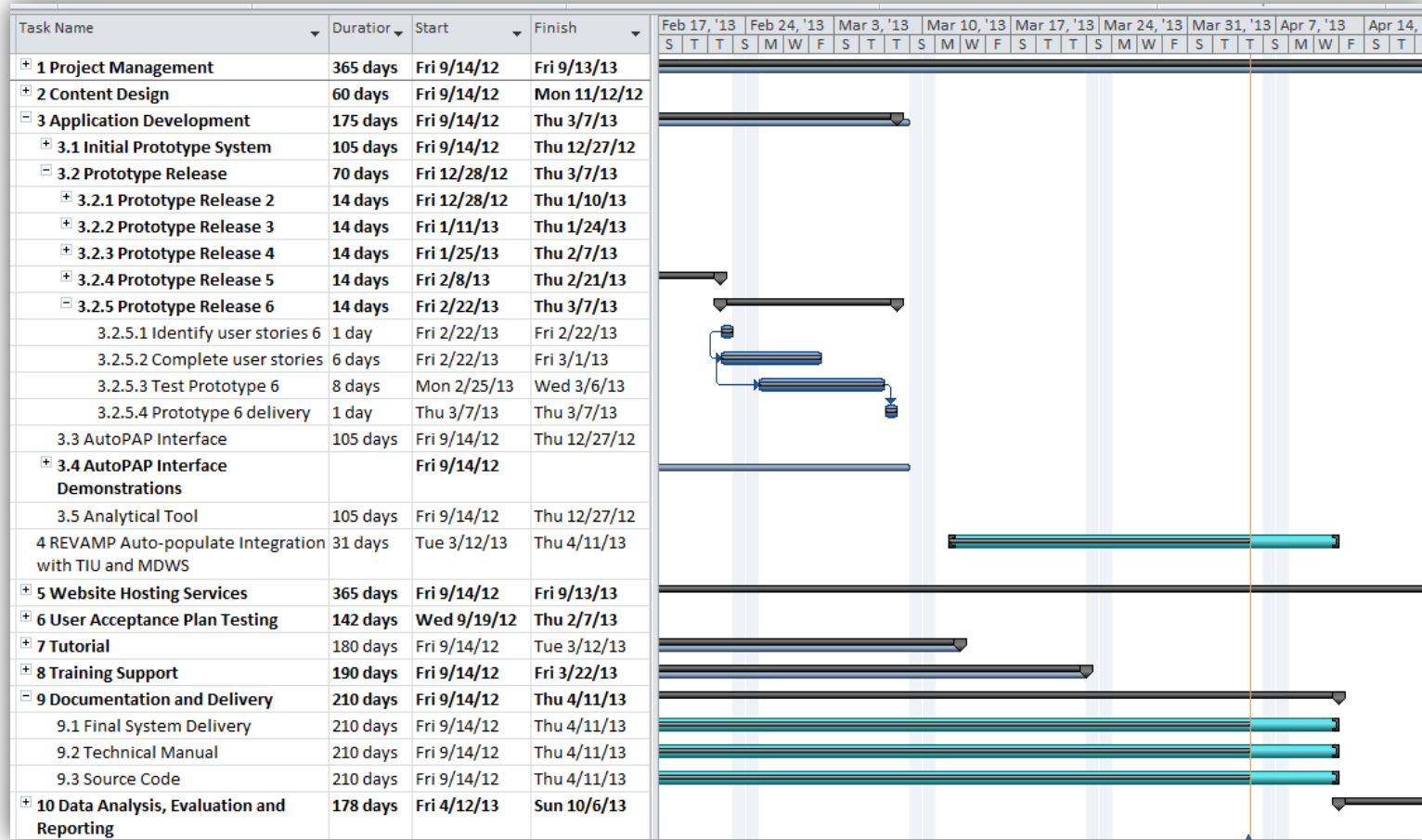
User Experience

Demonstration during 03/07/13 meeting (Prototype 6 Release Notes)
Demonstration during 03/14/13 meeting (Prototype 7 Release Notes)
Demonstration during 03/21/13 meeting (Prototype 8 Release Notes)
Content Management System Training Session 03/28/13

Planned Accomplishments

- 04/05/13 Monthly Report
- 04/11/13 Delivery of REVAMP System and Documentation (with contract modification features)

Overall Project Plan

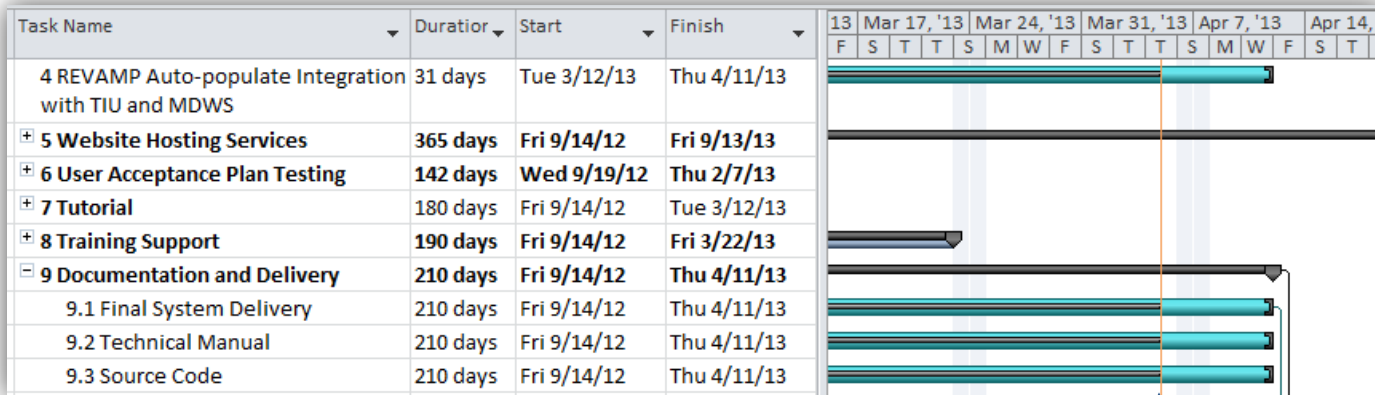


Currently Here

Critical Path Activities – Status as of 31 March 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 except Contract Mod Features
- AutoPAP Interface development - Complete
- Analytical Tool development - Complete
- User Acceptance Testing - Complete
- Final Prototype – In Progress
- Data Collection – In Progress
- Data Analysis, Evaluation, Reporting - TBD
- Final Delivery – TBD

Project Plan Current Development



Currently Here

Open Action Item Summary




Action Item	Owner	Due Date	Status
Provide Intellica with IP Addresses for VA-Facing Users	VA- Mr. Blake Henderson Intellica- Mr. Jeff Fisher	2/15/2013	Complete – Application in use. VA will verify if all IP addresses have been sent.
Coordinate to get de-identified real data from Philips for testing.	Intellica – Mr. Craig Rebo	3/7/2013	Complete – Data received and being received 03/05/13- Philips said formatting has changed, Intellica went to verify, but there were no files in the folder. 02/11/13- IP Addresses have been updated, file type XML instead of CSV. Interface has been set up and tested, it is functioning correctly/it is ready.
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. Dr. Kuna has enquired about this. Interface has been set up and tested, it is functioning correctly/Intellica was able to retrieve data. Ready for live data.
SAQLI Layout and Functionality	VA - Dr. Kuna	ASAP	Complete – 3/14/2013 SAQLI has been completed. 3/7/2013 Still Need final layout and functionality desired for SAQLI
Find way to record training session	VA- Mr. Blake Henderson Intellica- Mr. Rafa Morales	3/28/2013	Complete – Mr. Henderson set up Fuze and training session was successfully recorded.





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.	02/28/13 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.	02/28/13 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 March

Technical Interchange Meeting Minutes

From

Thursday, 7 March 2013

Topics Covered:

Status of Application

Intellica completed the User Stories for Prototype 6 and corrected bugs identified during the testing cycle.

Prototype 6 Demonstration

1. Ms. Smith went over the User Stories associated with Prototype 6 and demonstrated them on the application.
2. The message updates are going to be deployed by the end of the day.
3. Ms. Smith will email Dr. Kuna when the updates are on the live site.

Questionnaire List

1. The list of Questionnaires and Questionnaire Groups were updated according to the documents sent by Dr. Kuna.
2. The follow-up questionnaire should be included in the 1 and 3 month follow-up lists even though it was not mentioned in the document.
3. Ms. Smith will email Dr. Kuna a document with the current revised list of Questionnaires and Questionnaire Groups.
4. Dr. Kuna will review the list and confirm whether it is the final list.
5. The final SAQLI is still pending; Dr. Kuna will email it to Intellica.

6. Dr. Kuna confirmed that the contract requirements regarding the need of including a Quality of Life and Quality of Sleep questionnaires are being met.
 - a. The names of questionnaires have changed.
 - b. More than one questionnaire may fall under each category.

AHI Valid Range

1. Intellica noted that it had received two different upper limits for AHI data, 30 and 200, and requested that Dr. Kuna clarify which he would prefer. The upper limit is the highest number considered valid. Any data above that limit will be discarded.
2. Dr. Kuna stated that the upper limit for AHI should be set to 75.

Y-Axis Graphs

1. Dr. Kuna requested that Intellica increase the font size for the Y-axis labels of the charts in the graphical hub.

PAP Interface Data

1. Philips Data:
 - a. Intellica was able to retrieve de-identified patient data in CSV formatting from Philips' server.
 - b. Ms. Smith demonstrated adding the device serial number to a patient's demographic page and having the data that was pulled using the PAP interface populate for the patient.
 - c. Intellica is finalizing the details for data retrieval from Philips and currently running tests.
2. ResMed Data:
 - a. Intellica asked Dr. Kuna for the status of the ResMed account.
 - b. Dr. Kuna sent an e-mail to the VA contact and is waiting for a response. He will let Intellica know if he receives an update.

- c. Intellica brought up that ResMed is sending more than one record a day for the sample patients on the server. Intellica is corresponding with ResMed regarding this matter.
3. Dr. Kuna explained how data collection works with Philips:
 - a. Each time a patient has the mask on it is a separate session.
 - b. When Respirationics exports the data for the day, it merges the data of each session from that day to export one data set per patient.
 - c. If a provider wants a more detailed data set they can go online to Respirationics and view the data.

Contract

1. Next Thursday Intellica would like to close off the first part of the contract and then talk about tying the application to CPRS.

CPRS

1. Intellica explained that the work related to CPRS will take place in the sandbox.
2. Patients do not have access to the Sandbox, thus the functionality being developed will not work in the live CPRS until the correct permissions and approvals are achieved.
3. The process of receiving the permissions/approvals is an internal process the VA will have to do.
4. Intellica will create the functionality, the application will have the features to integrate it to CPRS, and can be simulated in the sandbox, but the process of establishing it in the hospital is out of Intellica's hands.

Technical Interchange Meeting Minutes

From

Thursday, 14 March 2013

Topics Covered:

Status of Application

1. Ms. Smith went over the User Stories associated with Prototype 7 and demonstrated them on the application.
2. The scoring functionality has been added following final coordination with Dr. Kuna.
3. Ms. Smith demonstrated the updated Sleep Apnea Symptoms functionality.
4. The CPAP clearing data message update discussed during the last meeting was demonstrated. Dr. Stepnowsky suggested additional text be added on one or more of the messages for clarification.
 - c. The VA suggested something along the lines of, “If you want to change the patient’s serial number and keep the data from the previous device, click cancel and enter the serial number for the new device and then SAVE.”
5. Ms. Smith demonstrated how the questionnaire data can be exported in CSV format into an Excel spreadsheet.
6. In Patient Demographics, Intellica will cap the amount of numbers in the phone number fields (cell and home).
7. In the Events tab, if an event is already done, the reminder will not go out.

Going Live – Collecting Data

1. Mr. Lago stated that the static data received must match the questionnaire data or the reports will not match.
2. Regarding the Philips and ResMed CSV files, valid data limits have been updated.
3. The latest release has been moved to 21 March due to the additional tweaks asked for by the VA.

Development Phase Closing

1. Following the 21 March release, Intellica will focus on the move to the text integration utilities (TIU), looking up patients from the VA's Computerized Patient Record System (CPARS) and integrating questionnaire data into the note.
 - a. New changes will not be added after the development phase is closed but Intellica wants it to be clear that any bugs will be addressed.
2. Following Dr. Kuna's request, the database will be changed to the Eastern Time zone. See the Intellica Action Items for further considerations.

Training (Presentation, 4 hours training CMS)

1. Mr. Lago asked if the VA wished for Intellica to fly to Philadelphia for the four hours of training or if they would prefer a webinar which can be divided into manageable blocks of time.
2. The VA stated that a webinar would work best especially with the idea of the four hours being broken into blocks of training.
3. Dr. Kuna asked if the training sessions can be conducted as close as possible to one another for training continuity.
4. Dr. Stepnowsky asked if the training sessions could be recorded for users to access again.
5. There will be a Content Management manual being delivered by Intellica on Friday, 22 March and it was agreed that it might be helpful to wait until after the manual's release and the 21 March application release to conduct training.
6. The VA agreed and suggested training take place around 28 March.

Technical Interchange Meeting Minutes

From

Thursday, 21 March 2013

Topics Covered:

Status of Application

1. Ms. Smith went over the User Stories associated with Prototype 8 and illustrated the modifications with screen shots and demonstrated the uploaded videos in the application.
2. The sleep apnea questionnaires messages were updated according to Dr. Kuna's previous requests.
3. Ms. Smith demonstrated where to trigger the training videos in the help menu.
4. Ms. Smith showed that the server time had been changed to Eastern Time, for the Philadelphia, Pennsylvania location.
5. Ms. Smith showed in Patient Demographics, that the amount of numbers in the phone number fields (cell and home) has been capped.

Going Live – Collecting Data

1. The go-live date was set for 1 April 2013.
2. Intellica will clear all data collected by the analytics tool during the test period and reset to a fresh start before the go-live deployment.

Support Phase

1. Intellica will continue to track bugs as they become evident, find resolutions and report on a periodic basis. During the beginning of the deployment there will be weekly report, followed by a bi-weekly report. As the occurrence of bugs diminishes they will be reported on a monthly basis. All bugs will be accumulated in one table, updated and uploaded to the VA's Wiki.

2. Mr. Henderson, along with Dr. Kuna and Dr. Stepnowsky, will be formulating a process to track bugs that is internal to the VA.

Training (Presentation, 4 hours training CMS)

1. The initial two hour training session, scheduled for 28 March 2013, will focus on content management.
2. A follow-up two hour training session will be offered that focuses on the use of the REVAMP application.
3. Training sessions shall be recorded by the VA (*Fuse Meeting*) for users to access again. As a backup, Intellica will also record the training.