

Project Status Report as at 30-04-2013

Project: RHEA

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1. Project Status

Green	Orange	Red
<i>Project expected to deliver agreed scope on time and within budget</i>	<i>Project expected to deliver at least 80% of agreed scope, with less than 10% overrun on time and/or budget</i>	<i>Project in danger of delivering less than 80% of scope, and/or project time or schedule overruns expected to be greater than 10%</i>
		✓

2. Project general update.

- **On going urgent issues:**
 - At site
 - Musha
Internet is still disconnected and the clinicians are using the system in offline mode.
 - Ruhunda
Internet is still disconnected and clinicians are using the system in an offline mode
- There are currently two versions of RapidSMS running in Rwanda which has resulted in RapidSMS messages not being sent to the SHR as the new version of RapidSMS does not have the HIE connector module which enables RapidSMS to integrate with the HIE. Following discussions last week with Pivot Access, who manage the RapidSMS system for the MoH the RapidSMS HIE connector, is now being ported to the new version of RapidSMS. Jembi as requested a report regarding the planned update and schedule.
- This week, the Jembi team is prioritizing finalizing the design for the Client Registry and Shared Health Record Reconciliation problem and beginning development work.
- May 1st is a public holiday in South African and Rwanda and the Jembi offices in both countries will be closed.

The current project plan can be viewed at

<https://dl.dropboxusercontent.com/u/63883595/130430%20RHIE%20Project%20Plan%20Track%201/index.html>

Please note: This project plan does not include the rollout activities and will be changing in the coming weeks as these activities are rescheduled.

3. Progress

3.1. Tasks Completed

- The Jembi team is finalizing the development and testing this week of the point-of-care adapter module enhancements to the queue user interface, which will allow for improved reporting on the different transaction types and their status over user-defined periods. We expect to release the first version of this update for testing by the end of this week.
- Jembi has completed development work on upgrading the RHEA modules to be compatible with OpenMRS version 1.9. Jembi and the MoH ran a joint integration-testing sprint on the week starting the 25th of March. The MoH team is currently updating the PoC Concept Dictionary to include reference mappings that were incorrectly removed and the Jembi team will finalize testing once these are sent through.
- Documentation for the NDC Server Backup to a remote site and Recovery Testing Process has been developed, collated by Jembi and shared with the MoH tech team.
- Progress on tasks planned for last week:

Task	Status
RACI chart for RHEA is being developed by Rhonwyn, Dawn and Liz	Basic draft of chart was done and shared with Richard for comment.
Support and monitoring software at Ruhunda and Musha	Ongoing
Research into Network and Systems monitoring tool	The Jembi team continue to work with the MoH to explore setting up Nagios for agent based remote monitoring of the Health Centres. As a transitory measure the Jembi team are reviewing indicators outlined in system monitoring spreadsheet Wayne and shared with the group to identify key indicators that can be collected as a short-term measure. Daniel is in discussion with the NDC around using Nagios to monitor the systems at the NDC.
Finalize OpenMRS Patient Search Module development (previously Track 2 but critical to Track 1 implementation)	We have received feedback from an initial round of user testing from both the MoH team and Liz. Jembi is currently updating the module.
Developing new message queue interface for the adapter module (previously Track 2 but critical to Track 1 implementation)	Ongoing
OpenMRS Provider Helper Module Design	Ongoing.
MoH working on providing access to a remote backup-server	Ongoing
Review existing help desk setup and process with MoH and work with them to define the help desk process for RHEA with an implementation plan	Jembi waiting for MoH to provide team with documents to review
Implementation planning	Rhonwyn, Dawn, Gilbert and Emmanuel have been working on an implementation plan which is being shared with Richard for

	review and discussion about roles and responsibilities
Mentorship or registries managers	Dawn is working with the MoH team to identify what training they need and how they would like to received the training.

3.2. Tasks currently underway/planned for the next week

- Support and monitoring of Ruhunda and Musha
 - Twice weekly site analysis through follow-up calls with IT managers.
- OpenMRS Module upgrade to 1.9 - Collaborative Testing (MoH-Jembi)
 - A few incorrect concept mappings were identified during the joint testing and Jembi is currently waiting on the MoH to update Concept Dictionary with correct concept mappings.
- OpenMRS Patient Search Extension Module
 - This module has now been through two rounds of user testing and we are waiting for final feedback from the MoH based on the latest fixes we have added this week.
- Research into Network and System monitoring tools for the NDC Environment as well as monitoring the point of care applications in collaboration with PIH and the MoH.
 - Point-of-Care Monitoring: Following discussions with Daniel Murenzi, we plan to setup a test Nagios installation to remotely monitor Ruhunda as a pilot site. While we wait for Daniel to provide access to a dedicated server for the central monitoring instance, we are currently setting this up on two nodes in our RHEA testing environment in the cloud and documenting the setup and configuration process. The current challenge we're facing is configuring the remote agent to connect to the central server. We have also reached out to the Rwandan PIH team who have also used this tool for remote monitoring to better understand how they are using Nagios (its configuration etc.), the challenges they have faced and how they have addressed them.
 - NDC Server Monitoring: Jembi as recommended that the NDC provide as a service under the MoH-NDC contract, access to a Nagios dashboard for monitoring the RHEA Servers. Daniel Murenzi is following up with the NDC and will feedback to the group.
- Review help desk setup and process with MoH and work with them to define the help desk process for RHEA with an implementation plan. We are still waiting on feedback from Dawn regarding the MoH progress on this.
- Develop Generic OpenMRS HIE Component Design
 - Currently on hold due to limited resources
- OpenMRS Provider Helper Module Design
 - Jembi is currently developing a prototype to generate the HPD query to submit to the Provider Registry to support the priority use case of auto-validating providers loaded in OpenMRS at the health centers against the Provider Registry. We are also coordinating with IntraHealth to develop the endpoints on the Provider Registry to support this use case. Our tech team had a call on the 29th of April to discuss progress and next steps.
- Work with Gilbert and MoH team to effectively plan implementation activities and provide technical support and mentorship.
- Mentorship of MoH team regards monitoring and management of the HIE implementation.

4. Issues

- Neither Ruhunda nor Musha currently have Internet connectivity. The OpenMRS systems are working offline but no messages are coming through the RHIE.
- There are currently two versions of RapidSMS running in Rwanda which has resulted in RapidSMS messages not being sent to the SHR as the new version of RapidSMS does not have the HIE connector module which enables RapidSMS to integrate with the HIE. Following discussions last week with Pivot Access, who manage the RapidSMS system for the MoH the RapidSMS HIE connector, is now being ported to the new version of RapidSMS. Jembi as requested a report regarding the planned update and schedule.