

Project Status Report as at 04-04-2013

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. There has been some confusion around whether or not the clinical staff at Musha have been using the system offline. The MoH team have been investigating and will provide more feedback.
 - Ruhunda
Internet is still disconnected and there is not currently an estimated time for reconnection. Currently Ruhunda's system is running in an offline mode.
 - Jembi is still waiting for the list of client IDs logged in the RapidSMS system so that we can establish which ones are registered in the CR.
- A joint Jembi/MoH planning session for developing an implementation plan for the MoH rollout of the ANC OpenMRS/RHIE system to the other health facilities in Rwamagana District is scheduled for the week of the 15th April 2013-03-19.
- The MoH was planning to begin the infrastructure rollout to the remaining site in Rwamagana this week. MoH will provide an update on the RHEA call.
- Liz and Dawn have been visiting sites (Ruhunda and Musha). Site visit reports to follow separately.

The current up-to-date project plan can be viewed at
<https://dl.dropbox.com/u/63883595/130404%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

- Jembi and the MoH ran a joint integration testing sprint last week and the teams are compiling a report which we expect to receive by end of this week, highlighting which modules were tested, results and issues.
- Jembi have procured the majority of the hardware required by the MoH to upgrade the LAN at the remaining implementation sites in Rwamagana. There have been some delays with the contractor delivering the hardware to the MoH and this is being followed up by the Jembi team
- The backup and recovery checklists have been developed and submitted to the MoH team and we have requested that they start familiarizing themselves with each of the Registries in the Jembi testing environment running in the cloud. It was agreed during our MoH-Jembi support call that the MoH will take over installation of the FR backup solution.
- 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
Collaborative testing on OpenMRS modules	completed
OpenMRS Patient Search Module Design	Module development being finalised. (this is a previously a Jembi Track 2 but critical to Track 1 implementation)
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.
Development of Documentation for the NDC Server Backup to a remote site and Recovery Testing Process.	Jembi has collated the Registry documentation (except Provider Registry) and shared them with the MoH tech team. The RHEA wiki will be updated within the next two weeks so that this content is shared with the larger RHEA working group.
Finalize OpenMRS Patient Search Module development (previously Track 2 but critical to Track 1 implementation)	Ongoing
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. HPD specification has been developed and currently being validated. IntraHealth is also currently leading the evaluation of the DSML gateway implementation.
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 handover	MoH infrastructure rollout was set to begin this week and MoH will update team on RHEA working Group call. Weekly management calls between Jembi and MoH continue. Rhonwyn will be travelling to Rwanda in April for a full implementation planning session with MoH.
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. She will feed back to the RHEA working group on this week's call

3.2. Tasks currently underway/planned for the next week

- Richard reviewing RACI chart developed by Rhonwyn, Dawn and Liz
- 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 last weeks joint testing. The MoH to update Concept Dictionary with correct concept mappings this week.
- OpenMRS Patient Search Module Design (Track 2)
 - An initial version of this module as been developed and loaded onto Jembi's testing environment in the cloud. We have requested that the MoH team review and provide feedback.
- 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.
 - 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.
- Daniel Murenzi is still working on providing access to a remote backup-server. Currently, the all NDC RHEA servers except the FR dump backup data to the local servers in the NDC and

this need to be stored remotely where the MoH Registry managers will periodically run through the recovery testing process.

- 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.
- Develop Generic OpenMRS HIE Component Design (Track 2)
 - Currently on hold due to limited resources
- OpenMRS Provider Helper Module Design (Track 2)
 - Review of HDP profile and development of message template for provider validation use case
- Track 3 SHR Research
- Work with Gilbert and MoH team to effectively handover implementation activities on track 1 and provide technical support and mentorship
- Mentorship of MoH team regards monitoring and management of the HIE implementation.

4. Issues

- Messages coming into OpenHIM from RapidSMS are failing to be processed because of invalid client IDs. Jembi has contacted Pivot Access to request a list of the client IDs that they have logged in the RSMS system so that we can establish which ones are registered in the CR.
- Neither Ruhunda nor Musha currently have Internet connectivity. The OpenMRS systems are working offline but no messages are coming through the RHIE.