

Project Status Report as at 09-04-2013

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. **In response to concerns about the level of use of the system at the centre the MoH have visited the site and generated a report from the OpenMRS server which shows that the clinical staff have been using the system since last year. MoH are drafting an email to share their findings with the RHEA working group.**
 - Ruhunda
Internet is still disconnected and clinicians are using the system 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.
- MoH report that their infrastructure rollout to the remaining sites in Rwamagana is going well and should be completed in the next few weeks. MoH will provide a more detailed report at a later stage.
- Notification messages are now being sent from RapidSMS, however most of these are failing the patient validation with the Client Registry as our current CR implementation is loaded with Patients only from Rwamagana district. This is expected behavior until a decision is made by the RHEA team to load patients from the rest of the Country into the Client Registry. Jembi will continue to monitor these and verify that notifications originating from the Rwamagana district are successfully being persisted in the Shared Health Record and can be queried.
- 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 visited sites (Ruhunda and Musha) last week. Site visit reports will follow separately.
- It is Genocide Education week in Rwanda this week. MoH and Jembi in country staff are participating in community activities and progress on the project will be slow.

The current up-to-date project plan can be viewed at <https://dl.dropbox.com/u/63883595/130409%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 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.
- Procurements for the MoH infrastructure rollout are completed and MoH has taken receipt of equipment.
- 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
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 is underway. 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

- This week, our team is prioritizing the design and development of a solution for the Client Registry and Shared Health Record Reconciliation problem. The technical team is aiming to have a working solution installed and running by end of April.
- Richard reviewing the proposed RACI chart
- Support and monitoring of Ruhunda and Musha
 - Twice weekly site analysis through follow-up calls with IT managers.
- Jembi has received Client ID information from the head of CHWs at Musha and is checking these details against the Client Registry.
- 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 (this is a previously a Jembi Track 2 but critical to Track 1 implementation)
 - 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.
- OpenMRS Provider Helper Module Design (this is a previously a Jembi Track 2 but critical to Track 1 implementation)
 - Review of HDP profile and development of message template for provider validation use case
- 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

- Neither Ruhunda nor Musha currently have Internet connectivity. The OpenMRS systems are working offline but no messages are coming through the RHIE.