# **Meeting/Call Notes**

**Meeting purpose:** Community Call for OpenHIE SHR

**Date:** 16-07-2013

 **Please sign yourself in below.**

**Attendees:**

* Ryan Crichton
* Linda Taylor
* Kari Schoonbee
* Hannes Venter
* Daniel Futerman
* Larry Lemmon
* Derek Ritz
* Mark Tucker
* Chris Seebregts

**Agenda**

* Does OpenMRS seem like the best way forward, should we consider the build from scratch option?
* There are two main issues for this group to tackle to build a SHR (are there others?)
	+ What changes do we make to OpenMRS for it to be an effective SHR
	+ What stack of standards to use
* AOB

**Call Recording file # 47922001**

http://www.conferenceplayback.com/stream/54579722/47922001.mp3

**Meeting Notes:**

Does everyone feel happy with the decision to go with OpenMRS vs. possibility of building something from scratch?

Assumption that group is happy with decision to go with OpenMRS as little feedback from mailing list discussion has been received

Would like to consider Regenstrief systems as alternative - would be interested in running a version of RMRS?? Build a version of it internally as an SHR using own HL7 processor - a private version of OpenHIE - a learning process and a backup for OpenMRS as well

OpenMRS is feasible

Is RMRS completely open source? Can work on it internally without hindrance

Proposed 2 streams at once: OpenMRS and RMRS

Only downside is split of resources

LL - Who would be the tech support for OpenMRS - who would do that work?

RC - Jembi is very interested in doing this in collaboration with the community

DR - now introducing something that didn’t go through process but has lots to recommend it

One of advantages of OpenMRS is that it is “the devil we know” and we already have some expertise

Also not open-source at the moment

Would be valuable to have that knowledge of alternative

Should still fill in a column of the evaluation tool for RMRS at this stage

Regenstrief team will do this and will do the same changes for RMRS as agreed is needed for OpenMRS

3rd option = building from scratch?

DR- Idea of starting from scratch, although fun, is risky. Especially given the serious role that a central eHealth infrastructure will play in countries where we are working

Should leverage option that already has thousands of hours of work built in

OpenMRS may not be “shining beacon” above all others but is one we can have success with

3 things we have to do for OpenMRS

* handle text reports
* doesn’t have robust enough HL7 handling system (add HL7 exception)
* decision support capabilities

Also

* should split UI from the engine

Decision support capabilities should be in the middleware

MT - Is there a warehouse in the architecture?

RC - not currently but should be

DR - DHIS would be a very successful data warehouse - where store de-identified data

Like a T-junction - to SHR and via de-identification process to DHIS

Analytics around quality of care etc.

MT- Are CDS capabilities of OpenMRS sufficient?

RC - No, but add decision support hooks rather than include within SHR?

DR- Add to a form and then have option to make some fields required - example of this using the UI

No mechanism to do inside OpenMRS - express BPMN rules

MT- Have rules that run - often time-based - and provide notifications

DR - Main problems are errors of omission -

There are open source workflow engines that consume BPMN - rather than weave it into SHR

What about rules that are needed for other components i.e. Diagnostic imaging?

MT - in our system e.g. if patient has MRI there is an item for it in SHR -

Summarised as:

1. Handling of text report - document based / unstructured data

2. HL7 handling - building a group of standard message adapters

3. Add interface for workflow engine for CDS

4. Separate user interface from engine (service layer from UI layer)

5. Concept dictionary (idiosyncratic to OpenMRS) needs to be connected to Terminology service - is not standardised

6. RESTful interfaces

DR - what about the concept dictionary?

RC - will still be tied to the OpenMRS - down to the database level

HV- Concept dictionary more of an implementation issue - how we store concepts mapped to TS

This should be a high level transparent feature

DR - can’t have concepts that CAN’T be mapped to a terminology

HV - Agree - should build/create concept dictionary based on TS not other way around

RC - Already part of the way to this in the Rwanda implementation using mappings

MT - Have to choose a V2 standard and then IHE profiles: seems much more feasible than V3

V2 for messaging btw edge and centre

XDS for documents

RC - New standard from HL7 (FIRE)

Still in testing phases and not mature - based on RESTful interface - like V3 without complexity

MT - backbone (mainline flow of transactions) vs. smaller useful applications - mainline flow should be V2

RC - Should also be able to support multiple interfaces or support different standards at a later stage

LL - When we will start prototyping?

RC - probably 1st half of next year - the rest of this year will be design focused

May have some code down by end of this year but alpha version more likely fine next year

Will dedicate next SHR call to stack of standards issues

**Action Item**

Regenstrief team will fill in a column of the evaluation tool for RAMRS - over next 2 weeks