

MINUTES
Weekly RHEA Client Registry Call
Aug 3, 2012

Agenda:

1. AOB
2. OpenMRS registration workflow update - (Wayne talked about doing a demo)
3. Status of OpenEMPI development - Odysseas
4. Status of developing the filter rules to return a "best" record
5. Training Training Materials – Odysseas

Discussion Topics:

1. AOB
2. OpenMRS registration workflow update – Wayne was not on the call – Rhonwyn did not have any updates from them.
 - a. Odysseas – Spoke with Ryan and does not want any updated deployed into the EX2 Instance until his return
 - b. Rhonwyn gave an update on the availability of the MoH server for next week. Spec should be the same as the one that we are using already.
 - c. Shaun confirmed the technical specs for Odysseas
3. Status of OpenEMPI development - Odysseas
 - a. Development is ahead of schedule
 - b. Completed development tasks related to the addition of new fields
 - c. Implemented the file loader and made it configurable so you can specify a config file that defines how you map fields coming from an input file – made it flexible so you can support the two different datasets
 - d. Make modifications to the UI to support the new file loader
 - e. Updates based on the single best records we defined next week
 - f. After that we will make customizations and modifications to the probabilistic algorithm
4. Status of developing the filter rules to Golden Record Options
 - i. If an Ubedehe record exists return that
 - ii. If it doesn't exist return the most recent
 - b. Odysseas – I spoke with Ryan/Wayne after the call last week to discuss how the I/O layer will interact with the client registry and circulated an eMail – Odysseas will add eMail to the wiki
 - c. Liz – If we load all of Ramagana Ubedehe data to OpenMRS then it will find the record locally with no need for the client registry.
 - d. Shaun - The matching algorithm is different and therefore could not be found in OpenMRS, but would be found in the CR
 - e. Liz – We had a discussion about surname first name and am quite certain they are reversed in many records. Can the algorithm handle that
 - f. Shaun - There is currently a large study in Kenya to determine how to handle but won't be completed for 6mos so for now it will be an outstanding issue.
 - g. Liz – We could suggest to people to switch their first names. When they went door to door to gather info for the Ubedehe data, some people didn't understand the question, so some people flipped them.
 - h. Mead – Why not just correct the file? How long would it take?
 - i. Shaun – we could build some rules – data cleaning is never perfect and not sure how we build this into the timeline we have left.
 - j. There was a discussion about the algorithm options
 - k. Shaun – Frequency count in first name – could come up with a list of highly likely name swaps
 - l. Shaun - I can commit to writing the query over the next week or two to correct what we can
 - m. Odysseas – we have added the data profiling module will generate frequency statistics so we will be able to use this information to identify fields that need to be swapped.
 - n. Odysseas – we need to consider the performance impact – the I/O layer may have to do 3 requests to OpenEMPI – will add some latency.
 - o. Liz – suggesting this is a temporary feature, lets first see how bad the problem is? Does that sound like a plan? Wayne joined the call and asked the team to summarize.

- p. Shaun summarized – some of the names in the database are swapped and the decision is to do an analysis and then determine how to fix it.
- q.
- 5. Load Ubedehe into OpenMRS and what if we load bad data – understand the magnitude of the issue
- 6. Shaun there are some other issues - Phonetic transforms of the last name that we would like to include in OpenEMPI – the question is do we need to make sure that phonetic transform field is in OpenMRS or will it get computed at query time. How are we insuring that what gets loaded into OpenMRS is consistent with what is loaded into OpenEMPI? If a phonetic transform needs to be computed as a static field and loaded into OpenMRS, Who is insuring that is being done and available for loading? It is a soundex – allows you to do some groupings if someone slightly mistypes the name you can still have a shot to find it
 - a. Odysseas – OpenEMPI has 5/6 different phonetic algorithms you can use. During configuration you can specify additional computed fields. Everytime you add a record you will precompute the derived (custom) fields. At query time it will calculate the value of any of the derive fields and query the database, so actually it will do both.
 - b. Shaun - Its gonna have to be precomputed somewhere in order to benefit at query time
 - c. Make sure what is being loaded into OpenMRS is useful for the query of OpenEMPI be explicit about what those fields are. There are a lot of invalid NIDs in the database and need to be invalidated before they are loaded.
 - d. Load the Ubedehe first and then OpenMRS – but, you have to give them and OpenMRS id
- 7. Training Materials – Lorinne gave an update about the training plan that is on the wiki

Meeting Concluded at 9:05am.

Attendees:

Name	Organization	Name	Organization	Name	Organization
Rhonwyn Cornell	Jembi	Liz Peloso	Consultant	Mead Walker	Consultant
Shaun Grannis	Regenstrief	Wen Tong	SYSNET	Carrey	Jembi
Lorinne Banister	Regenstrief	Odysseas Pentakalos	SYSNET		