

OCL and Concept Management

2017/12/13 – Lilongwe, Malawi – om.rs/17

Facilitator(s)	<ul style="list-style-type: none">• Andy Kanter
Attendees	<ul style="list-style-type: none">• Mark Goodrich (PIH)• Mike Seaton (PIH)• Darius Jazayeri• Cintia Del Rio• Michael (Medic Mobile SF)• Vladimir (WHO)• Tim Nicholson• Abhinav (Bahmni)• Maurya (Regenstrief)• Sam (Medic Mobile Kenya)

Notes

Review of Open Concept Lab, CIEL and relationship to OpenMRS

Discussion of difference between OCL and CIEL:

CIEL:

- The curated dictionary from Columbia University, containing clinical concepts that can be directly used, along with mappings to terminology (SNOMED, ICD-10, etc). Contains most procedures, diagnoses, medications, etc.
- Currently distributed by a SQL file via a shared DropBox folder that is difficult to utilize since upgrading it requires overwriting your existing dictionary.

OCL:

- Attempts to overcome the limitations of the CIEL distribution mechanism, to enable subscribing to CIEL, as well as sharing other curated concept dictionaries, and also allows you to create and maintain your own local concepts. Whereas CIEL essentially requires you to only have CIEL concepts, OCL intends to allow you to have all (or some) CIEL concepts + other concepts, including your own locally defined concepts, combined
- There is an OCL subscription process and an OCL subscription module built for OpenMRS that allows for pulling down all concepts in a specific source, and then receiving incremental updates over time. This will NOT overwrite local concepts or concept metadata (based on UUID matching).
- OCL is available now at: <https://openconceptlab.org/>
- Looking for early adopters

Q&A:

- Is there a hierarchy to concepts in OCL? No: concepts exist independently, they can be organized in collections/sets and with mappings. Some of these may allow hierarchy

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(eg. by including ICD or Snomed mappings that contain an explicit hierarchy), but this hierarchy is not a part of OCL itself.

- When will CIEL migrate to this? OCL does currently have latest version of CIEL right now. A few things still need to be done before Andy manages all of CIEL concepts in OCL: 1) getting SQL exports for all supported OpenMRS versions for existing dropbox subscribers, 2) a few new UI improvements on the management side, 3) a few other things that Andy needs to do on the DB-level
- What do users need to start using this? Collections are now implemented. Darius has said that he successfully used the OCL subscription module to pull in 2 concepts. The UI for creating new concepts in OCL may need some improvements. Ideally would like to be able to fork an existing collection and make changes to it independently (eg. use an existing starter set to get up and running quickly, but then make changes). It would be helpful to have more tools to facilitate large-scale changes, eg. pick 1000 of the CIEL diagnoses and put them in my Diagnosis Set.
- What is the current status of OCL in terms of stability? If lots of groups start publishing their sources, it could explode. It is currently being hosted on JetStream infrastructure via Regenstrief. Long term sustainability model is still evolving.
- Is anyone working on this? Currently Regenstrief is working on this via OpenHIE Metadata Clearinghouse. ThoughtWorks has previously done some work on this in several previous projects.

If you want to start using CIEL:

- Engage with CIEL on mapping existing terminology to CIEL content
- Determine whether possible/willing to use OCL to subscribe to content

Action Items

- Birds of a feather session tonight around Bahmni and OCL
- Another meeting for folks specifically interested in CIEL or migrating their concept dictionaries.