

## **Session 28: Cross Site Data Integration**

**Facilitators: Todd**

**Brief:** How do we connect data from one location to another? Sync 1.0, Sync 2.0, OpenMRS DBSync, FHIR, OpenHIE and custom systems.

What is the current state of the community including:

- Sync 1.0 is now working on OpenMRS 2.
- Kenya is working to implement sync 2.0
- OpenHIM can connect small parts of patient data

Open Questions to start the discussion

- What is the state of OpenHIE for connecting systems?
- How are groups handling low bandwidth areas

**Members present :**

- Todd Anderson, Grace Potma, Dimitri R, Andy Kanter, Atuar Rahman, Brian Murungi, Edwin Mulwa, Ellen Ball, Jackie, Jonathan Teich, Joseph Aghatise, Ken Omondi, Maisha, Mugabe Roger, Placide, Simon Savai, Steve Job IHVN, Tom Oluoch, Veronica Muthee

### **Discussions**

Goals of discussion:

OpenMRS DB Sync: In OpenMRS EIP: connecting systems at the database level instead of using internationally approved standards between systems. DBSync useful when syncing between known OpenMRS instances.

Currently used to sync data to a central level from field instances

Next year goal is to send the data in both down the hierarchy as well.

Subsetting of data likely based on patient characteristics: possible example subsetting based on geography

Both Sync 1.0 and DB sync sync metadata separately from syncing of patient data. DBSync will sync placeholders. Sync 1.0 will stop until the issue is resolved.

OpenHIE uses shared terminology

Purposes of data integration: Centralized reporting, patient transfers, one patient seen in multiple places for different clinics.

Edwin (Kenya) sync down only includes demographics.

Sync 1.0 syncs object by object

Edwin in Kenya working towards Sync 2.0 going into testing.

Syncing complex obs may benefit from compression. Otherwise, the bandwidth needs of sync have been very low: a few KB/s