

The African Health Information Exchange (Data Use Partnership) project in South Africa

Session Name: The African Health Information Exchange (Data Use Partnership) project in South Africa

OHIE18 Event Page - ohie.org/OHIE18

Time / Room: 8:30 - 9:15 Marquee

Presenter:

Attendees:

Etherpad Link: https://notes.ohie.org/2018-08-02_SouthAfrica_DUP

Notes:

Weak fragmented parallel HIS contribute to poor HIV and TB Care

Project funded by Gates to improve patient level care around linkage, retention and quality of care

18 months through the 3 year project

Project components:

- Systems at scale - laboratory system (national scale)

- Unique patient identifier (national scale) - Health Patient Registration System

- Services run by provincial departments of health

- Community based services/clinics

- CHW

- Data consolidated into health information exchange

- Tools to leverage consolidated data - single patient viewer

This project is strengthening the link of all of these systems; strengthening consolidate of data and use of data

HIE to facilitate cascade reports and single patient viewer. Support is to make this more generalizable. Updated data daily.

HRPS (identifier) - project supports going to clinics to set up the identifier on site etc.

To date - 3K sites in addition to 360 sites in Western cape

HIV system in SA - Tier.Net (offline system)

Tier at 4K clinics in SA. Everywhere TB and HIV care is delivered.

3 Tier system - paper to offline system to networked EMR (still stuck in the offline system)

Tier - enhanced patient, facility and district management

Investments through AHIE - turn the offline system to semi online system where national Identifier system is deployed

pull data from consolidated data environments including lab data

Also to start bidirectional data of all clinical data

Replicate architecture and make them standards compliant

Working with Jembi on OpenHIM and FHIR points

Laboratory Work Use Case: (Rosemary Foster)

National health laboratory services has rolled out system that serves over 290 pathology labs

Combine lab data into one source - goal

Data source for provincial health data center is a FTP file (from data warehouse) thus making integration challenging

Doing pilot to take data into Tier.Net from PHDC

Phase I - regular data pushes from the lab system to PHDC

Phase IIa - HIV and TB results available at facility on specific date range; request from OpenHIM to LMIS

Phase IIb - Results pushed for patient on specific date range - also using OpenHIM; uses episode number to identify results

Also looking at TrackCare Web Results Viewer URL into the UI of patient registration system

Phase III - prototype with real type data transfer results from LMIS to provincial lab repository for use within data centers and clinical systems

Full integration with HPRS via initial bulk import followed by trickle feed.

Jembi -

OpehLHIM

Using FHIR for different flows including community based integration, openhim and others

- Concept was originally around enabling idot?

- built in c# as a microservice

- "L" stands for local