

Building a Better Clinician Experience in OpenMRS

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The time and training clinicians need to find important patient data using the existing OpenMRS interface limits use of the system directly in clinical care.

We have built a simpler interface for doctors and nurses to find HIV patient data. The interface consists of two modules which closely map to clinical workflow.

Both modules are deployed in a rural district hospital in Rwinkwavu, Rwanda, and are currently being extended to support other diseases like MDR-TB.

 **Paul Persil Patient** Back Print

Gender **Male** TRACnet ID: 12345
Age **44 years** (~ Jun 01, 1934) Carte d'Identité: 1234567
Last Visit **1 week ago** (Aug 14, 2008)
Doug Doctor, Rwinkwavu Hospital

IMB ID **12345678-A**

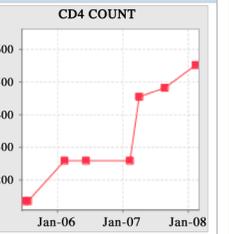
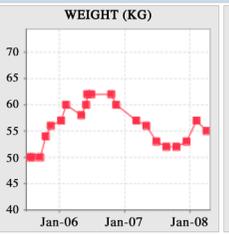
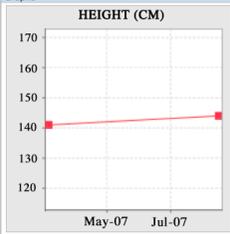
Alerts	Notes
NO XRAY RESULT IN THE LAST 6 MONTHS NO CXR RESULT	No known allergies

Recent Symptoms	Date
Hypersensitivity/allergic reactions, purple toes syndrome	Aug 14, 2008
Anemia, pallor, fever, rash, dermatitis, including bullous eruptions	Jul 01, 2008
Dizziness, loss of consciousness, taste perversion, and alopecia	Feb 27, 2008

Drug Order	Dose	Frequency	Start Date	Stop Date	Notes
AZT+3TC	1.0 tab(s)	2/d x 7 d/w	Sep 13, 2007		
D4T	150 mg	1/d x 7 d/w	Aug 02, 2007		
Triamune-40 (stopped)	1.0 tab(s)	2/d x 7 d/w	Sep 01, 2007	Sep 13, 2007	Unexplained facial rash
EFV 600 (stopped)	1.0 mg	1/d x 7 d/w	Aug 02, 2007	Sep 13, 2007	

Lab Test	Result	Date	Notes
CD4	512	Aug 15, 2008	Ordered by Dr. Doctor
CD4	259	Aug 01, 2008	
Viral load	515	Jul 28, 2008	Second test for verification of status
Viral load	200	Jul 27, 2008	Ordered by Dr. Green

Graphs



Clinical Notes	Date	Clinician
Presenting History Suspect patient has malaria	Jul 02, 2008	Doug Doctor

Patient Search Module

- Simple search interface to locate patients
- Clinicians search by name, location or cohort
- Search results list include basic patient data
- From list, one click on patient for full summary

Patient Summary Module

- All relevant patient data summarized
- Designed to be easy to read and printable
- Basic patient and visit data as header
- Shows pediatric data when necessary
- Generates alerts from record automatically
- Displays symptoms, regimens, labs and notes
- Highlights most recent and important data
- Customizable graphs of any patient data
- Used for patient visits as well as transfers