MINISTRY OF HEALTH



<u>User Guide</u>

HIV Data Entry module

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September 2011

This document is about how to use the *OpenMRS module* that is in charge of HIV related Data Entry in the system including Patient and his next of Kin General information, Encounter, about patient Medical history, vital signs, WHO Stages, HIV family serology, obstetrics, family planning, surgery, Sexually Transmitted Information

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Data EntryUser Guide

Introduction

This document is to help you in entering data based on paper based HIV patient registry that are currently being used, a provider is able to manage regimens by adding, editing, or stopping it.

Overview

The module has four parts, mainly it is a part on patient dashboard, which means that to use the module you have first to find the patient and go to his patient dashboard, once on the patient dashboard you can see a tab of "Data Entry" and within that tab you will see four different links, the first will show that you have either the adult Enrollment or pediatric Enrollment depending on the age of the patient, but those links are seen only whenever the enrollment form hasn't yet being entered in the system, the second link is also either the "Adult Follow-up" or "Pediatric Follow-up" again depending on the age, and the two remaining links are "Laboratory Management" and "Drugs Management".

Module features

1) Login page

This is the first page you see on the very first use of OpenMRS, and this is where you have to enter the system by specifying correctly your privileges (username and password).



Figure 1. Login page

2) Username and password

This is the security page, and once you enter the wrong username or password, you will have to correct it before you can log in, otherwise, you will have to check on the system administrator in order to get help.

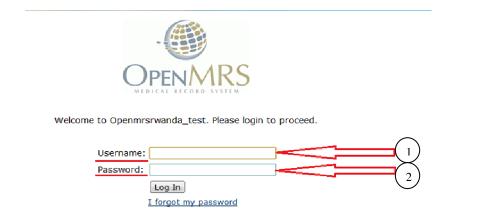


Figure 2. Login page with Username and Password

1) Where we enter the *username*

2) Where we enter the *password*

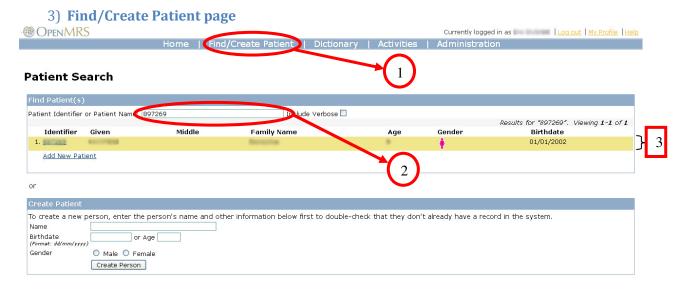


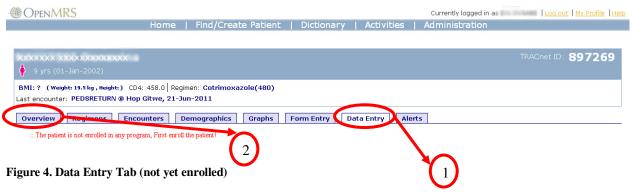
Figure 3. Find/Create Patient page

On this *Find/Create Patient* [1] page is a field called *Patient Identifier of Patient Name* [1], this is where we should enter the name of the patient or the Identifier of the Patient, and you will have to click on line anywhere on that yellow bandage [3].

4) Patient Dashboard

To use Data Entry Module then you click first on *Data Entry* [1] Tab, if it is the first time that Data entry is going to be used, you will see a following text in red:

"::. The patient is not enrolled in any program, First enroll the patient", then you will click on the tab Overview [2].



a. Overview Tab

In the field number [3] you have to choose the HIV Program, field number [4] is the field in which you have to enter the date on which the patient was enrolled in the HIV Program, finally you click on button number [5] to enroll the patient. You will go back to the point



Figure 5. Provider as search condition



Figure 6. Data Entry Tab (Enrolled) for Adult

You will see different links according to patient age, if the patient is an adult (>= 15):

- a. Adult Enrollment(shown only if it your are going to add initial HIV data to the patient)
- b. Adult Follow up
- c. Laboratory Examinations
- d. Drug Management

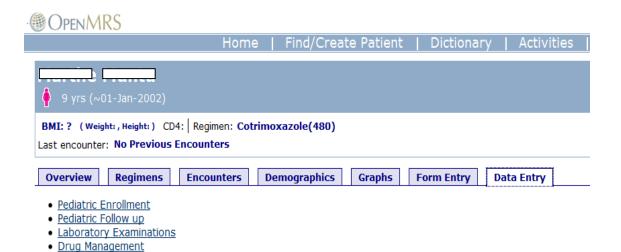


Figure 7. Data Entry Tab (Enrolled) for Pediatric

If a patient is pediatric (<15):

- Pediatric Enrollment(shown only if it your are going to add initial HIV data to the patient)
- Pediatric Follow up
- Laboratory Examinations
- Drug Management

5) Pediatric or Adult Enrollment

This form is entered the first time for the initial HIV data entry and after that you will not be able to enter another enrollment form.

	Home Find/Create Patient Dictionary Activities Adm
9 yrs (~01-Jan-2002)	
BMI: 7 (Weight, Height) CD4: Last encounter: No Previous Encou	
	Location
	Province MK District Nyanganga Sector Kanomba Cell Restamenyo
	Umudugudu
	Encounter Information
	Provider Location Cate
	HIV Diagnostic
	Date of First Positive HIV Test Location
	General Information
	Person Phone Number Contact Name Relationship to Contact Phone Number of Contact Mother's Name Father's Name
	Admission Information Enrollment Information
	Mode of Admission Patient Transferred? Date of Transfer
	Transfer From
	Antecents Medicaux
	Opportunistic Infections
	TBScreening
	Tuberculosis Tuberculosis Had Duration of Fever in days
	Contact With Weight Loss Night Sweats Duration
	Cough Symptoms
	Has Cough Type of cough Cough Duration
	Systems

Figure 7. Pediatric or Adult Enrollment form

In this case, the appointments matching *the specified location* [Trac Plus] will be displayed as a list of all *non attended appointments* of **same location** (marked in **green** on **figure 8**).



Figure 8. Encounter Information part

Following those color surrounding fields:

- 1) Red: provider
- 2) Green: Location in which your Health center is based on.
- 3) Purple: the date on which the encounter held.
- 4) Blue: the encounter type, according to the form you are filling

For the case of Adult, you will be prompted a two choices (Adult Initial, Adult follow-up), for the pediatric (Peds Initial, Peds Follow-up), which means that if it the first time to enter data on a certain patient you will have to choose either Peds Initial or Adult initial according to choice you will be given on the Data entry tab, otherwise you will have to choose the follow up form (adult or pediatric).

N.B: No matter what you will be asked to enter in the system, you will have to fill all those 4 fields; otherwise it will not save your form.

6) Append and Remove Button

In some part of the form you will see two kinds of buttons, the first one is to add [1] and another one to remove [2]

Opportunistic Infections

Opportunistic Opportunistic Opportunistic Infection End Resum of Treatment Date

X

Figure 9. Append and Remove Button

For example, if you want to add more than one Opportunistic infection, you will click on the add button as indicated by arrows and you will get as more sequences of those opportunistic infection set as you wish by click as many opportunistic infection you have to enter, as well if you wish to remove some that you added and you may be created them mistakenly, you just click on the remove button as indicated by the arrows.

7) Laboratory Examination

Under *Data Entry* tab, there is a link which takes you to the *Laboratory Examination* page, to enter a laboratory examination, you need to fill all those 5 fields, *Type* [1] is for type of examination, *Date of Exam* [2] is the date on which the examination has been taken, *Provider* [3] is a select field where you have to choose the provider, *Location* [4] is the place where the examination has been taken, *Result* [5] for the result that came out of the examination, and the exam to be recorder, of course you need to use the button "Save Lab Test"

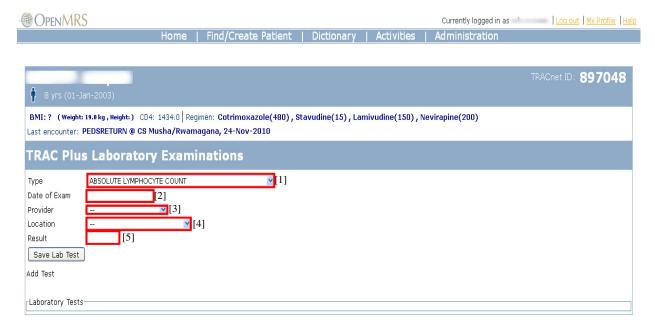


Figure 10. Laboratory Examination page

8) Drug Management

This page is to prescribe regimen to a patient, those you see in the following **Figure 11** are regimens of on patient. To add a regiment you have to click on the button <u>Create [a]</u>, to edit the prescribed regimen you click on the <u>Edit [b]</u> button, and to stop the regimen you click on the button <u>Stop [c]</u>



Figure 11. Drug Management Page

a. Create Regimen

Clicked on the button *Create* on the **Figure 11**, you will be prompted a pop up window, field squared in red, I'm going to explain them as they are ordered:

Drug You choose from a list of drugs

Dose Dose are not determined, so you will have to enter them manually

Units Drugs Units

Frequency Drug Frequency

Quantity Is not required here, which means you don't need to complete that field

Start Date When the patient is going to start that drug

Stop Date When the patient is going to start that drug, normally it is not completed on this form,

drug is stopped when you use the form triggered when you click on Stop button

Instruction Instruction on how the patient will consume the drug

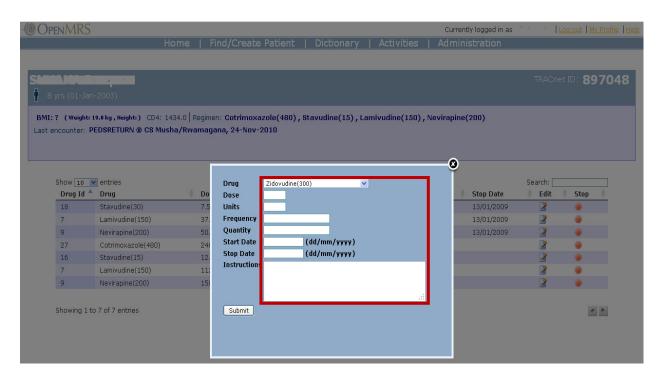


Figure 12. Create Regimen form

b. Edit Regimen

This pop up window comes when you click on the Edit button, you will see that the form is almost completed, that pop up form is used whenever you will need to make some changes, to the mistakenly entered data, the field are the same as the ones in **Figure 12**

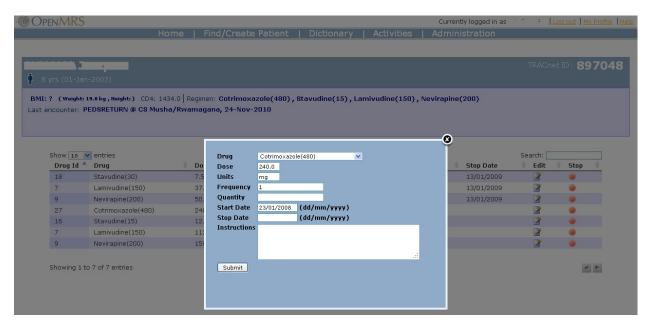


Figure 13. Edit Regimen form

c. Stop Regimen

To stop Regimen you click on the Stop button on a particular entered regimen you will be prompted a pop up window, that has two fields, the first is *Stop Reason*, the reason why the regimen has to be stopped, and the second field is *Stop Date*, the date on which the Regimen has to be stopped.

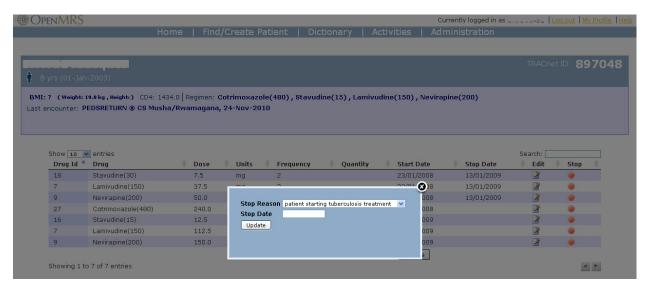


Figure 14. Stop Regimen form

9) Conclusion

The HIV Data Entry module is a mean for E-health care that facilitates entering HIV Patients' data and helps providers and physicians to better manage the regimens and Laboratory examinations.