MINISTRY OF HEALTH

User Guide

Patient Alerts module

by DUSABE Eric

September 2011

This document is about how to use the ***OpenMRS*** *module* that is in charge of Alerting to user different indicators on what are not going well in the system, but not all the indicators, only a number of them, like when data is not entered correctly, or the entered data is wrong.

Figure 1. Login page..... 5
Figure 2. Login page with Username and Password 5
Figure 3. Activities page..... 6
Figure 4. Alert Category List Page..... 6
Figure 7. One Category View 8
Figure 9. See all existing alert..... 8

Contents

Patient Alert 4
User Guide 4
Introduction 4
Overview 4
Module features 5
1) Login page 5
2) Username and password 5
3) Activities page 6
4) Alert Category List Page 6
5) One Category (Indicator) Detailed Information 8

Patient Alert
User Guide

Introduction
This document is to help users on how to use Patient Alerts module on alerting for patients on different defined indicators and help for the better follow-up of the patients

Overview
The module has three part, mainly is where you have to see different indicators category and the numbers of possible patients on the corresponding category, once clicked on a particular category you will be able to view different patients on a that particular category and from there you can go to the patient dashboard to fix what seems not to be ok, or to help the provider to take the decision regarding what alerted to the patient, from the patient dashboard you can see different indicator on that particular patient. Back to the start, you can be able to view all the patients on all possible indicators (category).

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 enters 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.

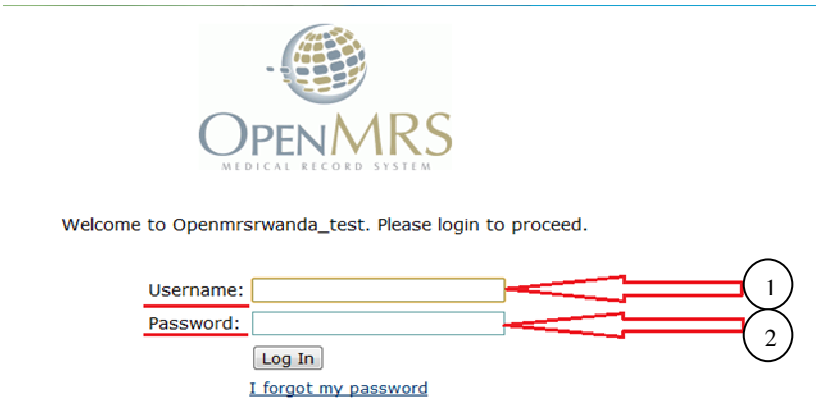

Figure 2. Login page with Username and Password

1) Where we enter the ***username***

2) Where we enter the ***password***

3) Activities page

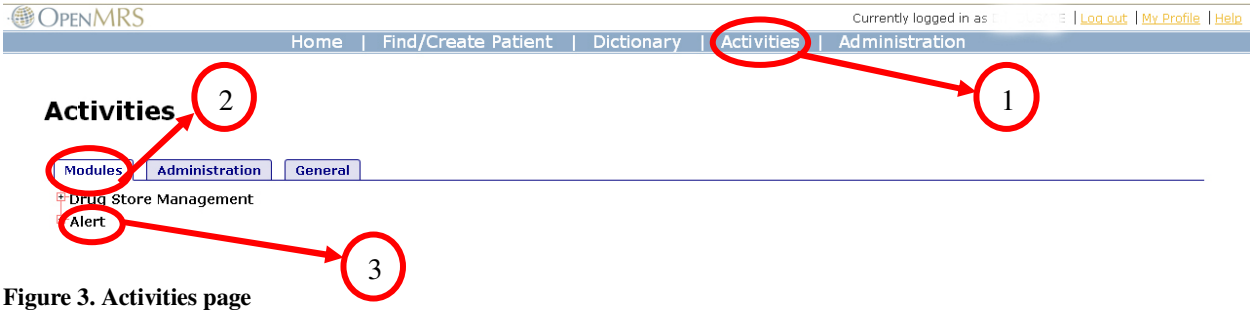

Figure 3. Activities page

On this ***Activities*** **[1]** page there is a ***Modules*** **[2]** tab, and under that tab you will click on the link ***Alert [3].***

4) Alert Category List Page

On this page you will find different category depending on what is wrong in the system, if there is none to be alert on the indicator, the indicator will not even appear on the list of categories. Then to see detailed information on a certain category (Indicator) you click on for example ***[1],*** the link which says that ***Patient(s) must be put on drugs.***

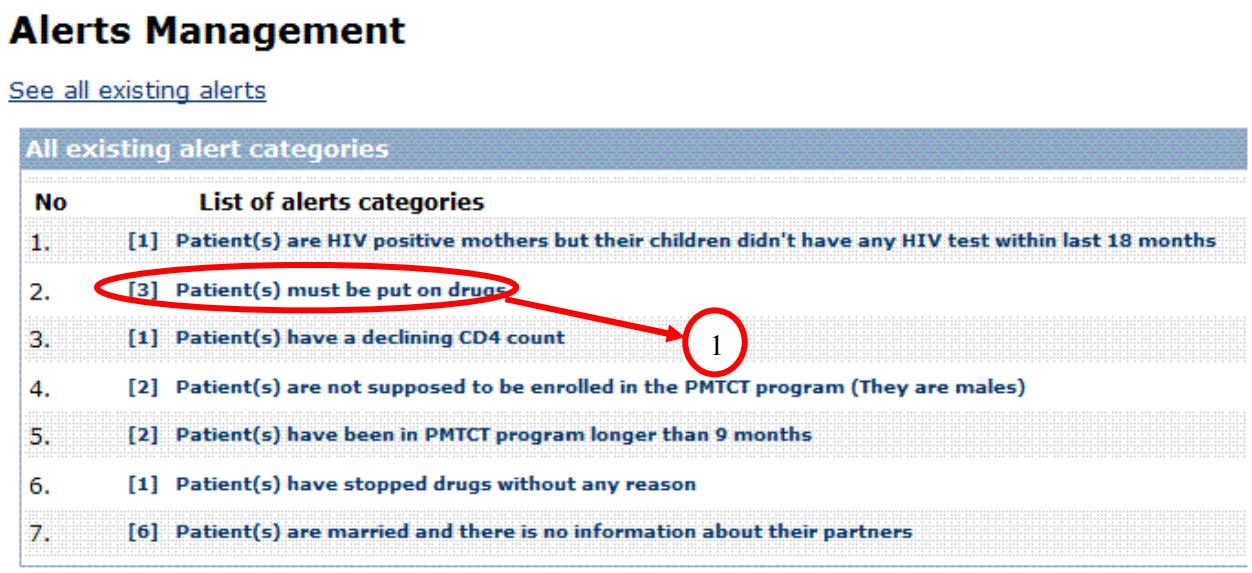

Figure 4. Alert Category List Page

Following are explanation about different indicators that were used in the module.

Alert name	Alert definition with concept ids
Patients must have encounter within the last 3 months	Patients currently enrolled in any program in the system AND have no encounters for the last 3 months
Patients must be on a drug	Patients currently enrolled in any program who have no active drug order
Patients have a declining CD4	Patients in the HIV program whose last two CD4 counts are declining
Patients in PMTCT must be female	Patients currently enrolled in PMTCT who are male
Patients are in PMTCT longer than 9 months	Adult enrolled in the PMTCT program longer than 9 months
Patients stopped drugs with no reason	Patients enrolled in any program with a discontinued drug order and no discontinued reason
patients with no CD4 count	Patients in the HIV program must with no observations for the CD4 concept
Patients have no CD4 for six months	Patients in the HIV program with no Obs for the CD4 concept within the last six months
Patients must have next visit	Patients in any program with no Obs for RETURN VISIT DATE
Patient must have partner info	Patients in the HIV or PMTCT program with no observations for the TESTING STATUS of PARTNER concept and CIVIL STATUS
Couples must have family planning	Patients with an observation for CIVIL STATUS with a value of MARRIED AND have no obs for the METHOD of FAMILY PLANNING concept
TB patient must be on treatment	Patients currently in the TB Program and have a POSITIVE(703) value for the SIMPLE TEST RESULT(3495) and have a current drug order with a drug belonging to the list of TB Drubs
Children born from HIV Positive parents with no test in 18 months	Child patients without an HIV test in the last 18 months and have a mother or father who is in the HIV Program or PMTCT Program

5) One Category (Indicator) Detailed Information

On this page it is displayed Patients that meet that Indicator requirement, like on the **Figure 7**, it is displaying the patients who have partner but they do not have any family planning, like in this case we had only two patients depending on the database used. If you want to go back, you just click on the number ***[2]*** link, else if you want to see all the patient that are in all the categories you will have click number ***[1]*** link.

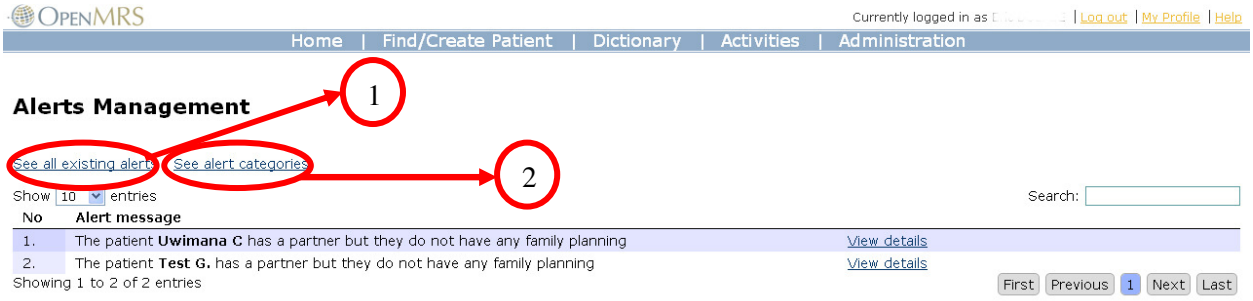

Figure 5. One Category View

6) *See all existing alert*

On this page you will see all patient from all categories (Indicators), and if you want to go on the patient to correct, so that the patient will not appear again on the list of alerts. You just click on the link squared in red; you will be taken to the patient Dashboard.

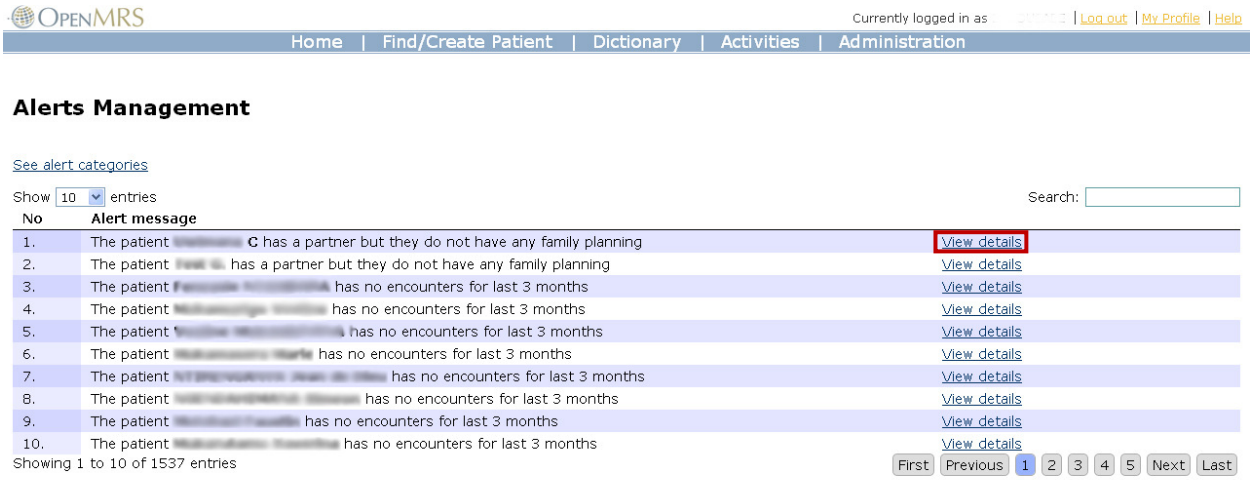

Figure 6. See all existing alert

7) Alerts on the patient Dashboard

This is the patient dashboard, here you will see a number of alerts that a particular patient might have. When on the patient Dashboard page, you have to click on the ***Alerts [1]*** tab.

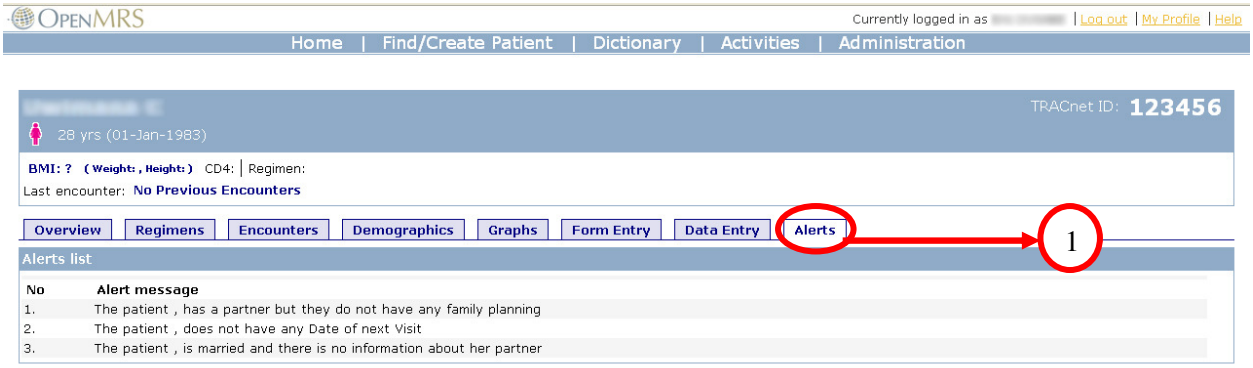

Figure 10. Existing Alert on the patient Dashboard tab.

8) Conclusion

The Patient Alerts module is a mean for E-health care that facilitates Providers to take decision on a particular patients according to the indicators he/she was alerted to.