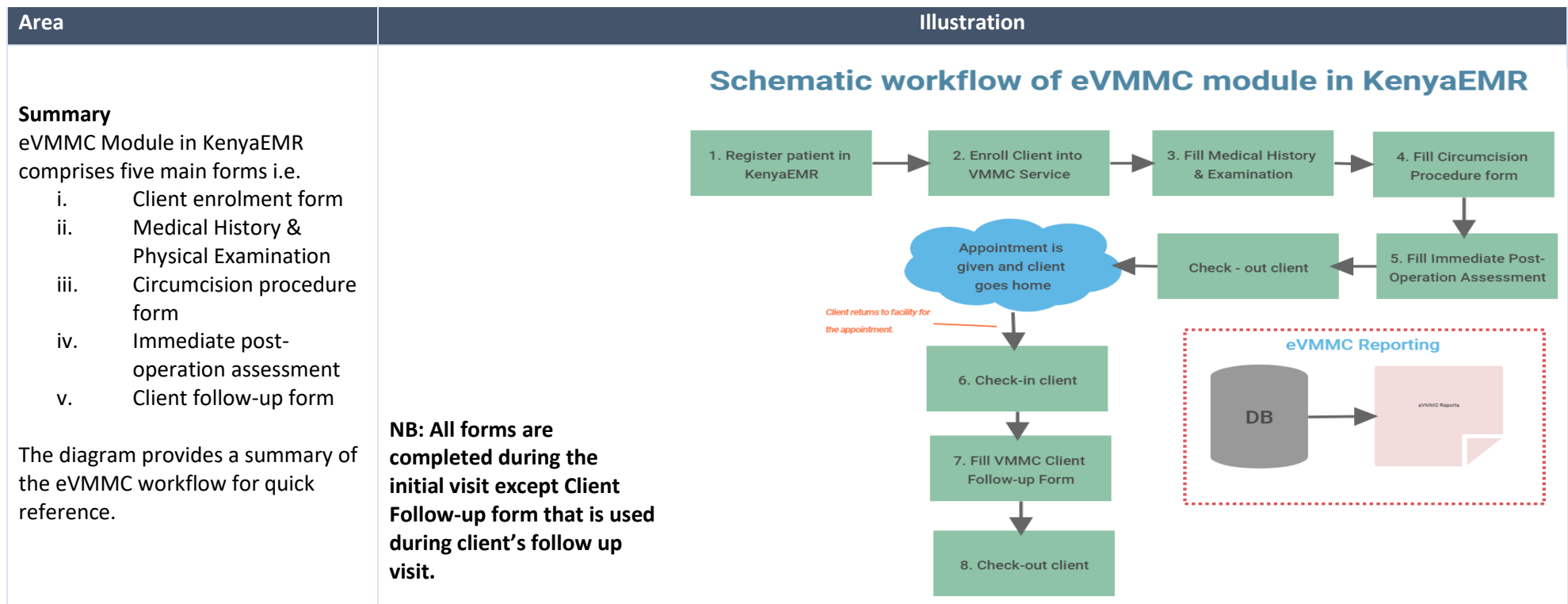


SOP: Electronic VMMC User guide

(Last Updated: March 2024)

Background:	<i>eVMMC program has been incorporated into KenyaEMR to support documentation of VMMC services at facility level. This document outline how to navigate and utilize this</i>
Objectives:	<i>To guide users on how to navigate and utilize eVMMC module on KenyaEMR 3.X</i>
Target Users:	<i>Clinician, HRIO, HMIS</i>
Requirements:	<i>eVMMC Module is included as part of KenyaEMR System, hence no need for separate setup process. Facilities only need to upgrade their KenyaEMR instances to a version that contains this module.</i>
Assumption:	<i>This manual assumes that the patient is already registered in KenyaEMR, hence will begin from the process of enrolment into VMMC service.</i>



KenyaEMR

🔍
☰
👤+
🔧
👤

Step 1. Client Registration

The first step before recording any details about your client is to register them in the system. The diagram provides a simplified stepwise process of client registration. You must login into KenyaEMR to proceed.

Active Visits

[Click to Add Patient](#)

🔍 Filter table

Visit Time	ID Number	Name	Gender	Age	Visit Type
Today, 02:30 PM	MGW9LC	OJWANG OJWANG OJWANG	M	55	Outpatient
Today, 02:01 PM	MGFN33	MIRIA MIRIA MIRIA	F	64	Outpatient
Today, 12:11 PM	MHFY9E	Miriam Otieno Omollo	F	19	Outpatient
Today, 11:57 AM	MGHLAK	KIBOI KIBOI KIBOI	M	48	Outpatient
Today, 10:12 AM	MGFTRG	Peter Peter Peter	F	52	Outpatient
Today, 10:11 AM	MHG4WP	Testing Kinus	M	26	Outpatient
Today, 09:59 AM	MGJE9T	OMARI OMARI OMARI	F	24	Outpatient
Today, 09:49 AM	MHFCA	Mary Auma Otieno	F	33	Inpatient
Today, 09:44 AM	MGJE9T	OMARI OMARI OMARI	F	24	Outpatient
26-Mar-2024, 04:46 PM	MGJAGG	FREDA FREDA FREDA	M	19	Inpatient

Items per page: 10 ▾
1-10 of 1235 items
1 ▾ of 124 pages

Step 2. Fill in the registration form.

Complete the form with correct details of.

- Basic Information
- Contact Details
- Demographics
- Relationships
- Next of Kin Details

Upon completion, click on Post to registry to very with Central Registry
Once validation is successful, click on "Register Patient" to complete registration.

KenyaEMR

[Home](#) / [Patient Registration](#) /

Create New Patient

Jump to

- ↳ Basic Info
- ↳ Contact Details
- ↳ Demographics
- ↳ Relationships
- ↳ Next of Kin Details

Post to registry MR
CR

Register Patient

Cancel

Client verification with client registry

Select country Select identifier type

Kenya x v

v

Q

Validate

1. Basic Info
All fields are required unless marked optional

Full Name

First Name

Middle Name (optional)

Family Name

Sex

Sex

Male

Female

Birth

Date of Birth Known?

Date of Birth

Identifiers [Configure](#) →

OpenMRS ID

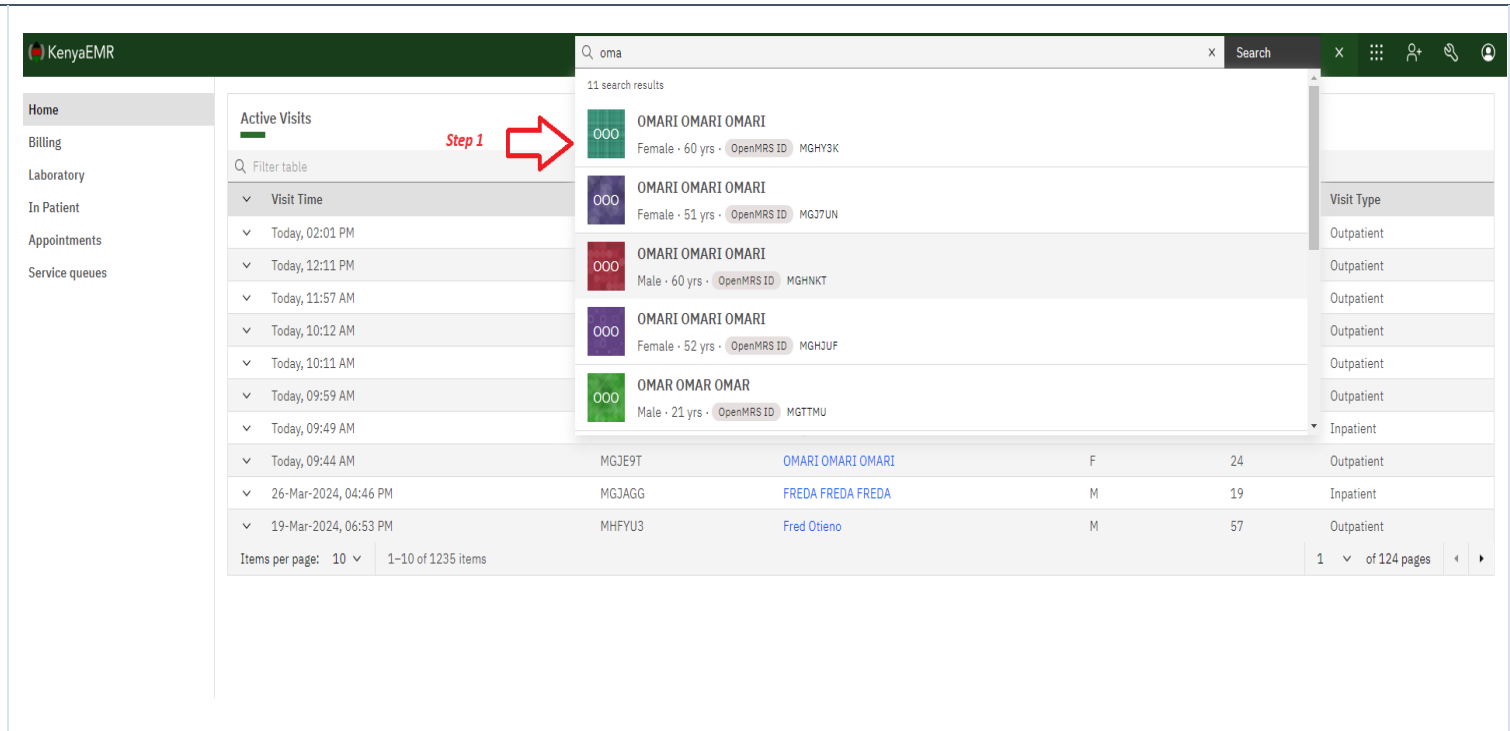
Auto-generated

Step 3: Client enrolment to VMMC Service

Before any documentations can be performed, the client has to be enrolled into VMMC Service.

Steps:

1. Search for the registered potential VMMC client and click to select.



The screenshot shows the KenyaEMR interface. On the left is a navigation menu with options: Home, Billing, Laboratory, In Patient, Appointments, and Service queues. The main area is titled 'Active Visits' and contains a table with columns for 'Visit Time', 'MRS ID', 'Name', 'Gender', 'Age', and 'Visit Type'. A search bar at the top right contains the text 'oma' and shows '11 search results'. A red arrow labeled 'Step 1' points to the first search result, 'OMARI OMARI OMARI', which is highlighted in green. Below the search results is a table with columns for 'MRS ID', 'Name', 'Gender', 'Age', and 'Visit Type'. The table contains three rows of data.

Visit Time	MRS ID	Name	Gender	Age	Visit Type
Today, 02:01 PM	MGJ99T	OMARI OMARI OMARI	F	24	Outpatient
Today, 12:11 PM	MGJAGG	FREDA FREDA FREDA	M	19	Inpatient
Today, 11:57 AM	MHFYU3	Fred Otieno	M	57	Outpatient

2. Navigate to the care panel on the left as shown on the diagram.

KenyaEMR
OMARI OMARI OMARI 60 yrs, Female
2.x Chart [Home](#) [Check in](#)

- Patient Summary
- Vitals & Anthropometrics
- Care panel ← Step 2
- Medications
- Results Viewer
- Visits
- Allergies
- Conditions
- Immunizations
- Attachments
- Billing history
- Appointments
- Investigative Results
- Family History
- Clinical views ⓘ
- Clinical Encounter
- Special Clinics ▾

000
OMARI OMARI OMARI
Actions ⋮

Female · 60 yrs · 25 – Dec – 1963

OpenMRS ID MGHY3K
Unique Patient Number 1251604440
Show details ▾

Vitals & Anthropometrics 22-Feb-2018, 12:00 AM [Vitals history](#) Record vitals →

BP	Heart rate	R. rate	SpO2	Temp	Weight	Height	BMI
-- / --	--	--	--	--	--	164 cm	--

AHD Client
Due for CACX Screening
Due for Serum CrAg test
Lost to Followup
Eligible for COVID-19 Vaccination

Conditions

⋮

There are no conditions to display for this patient

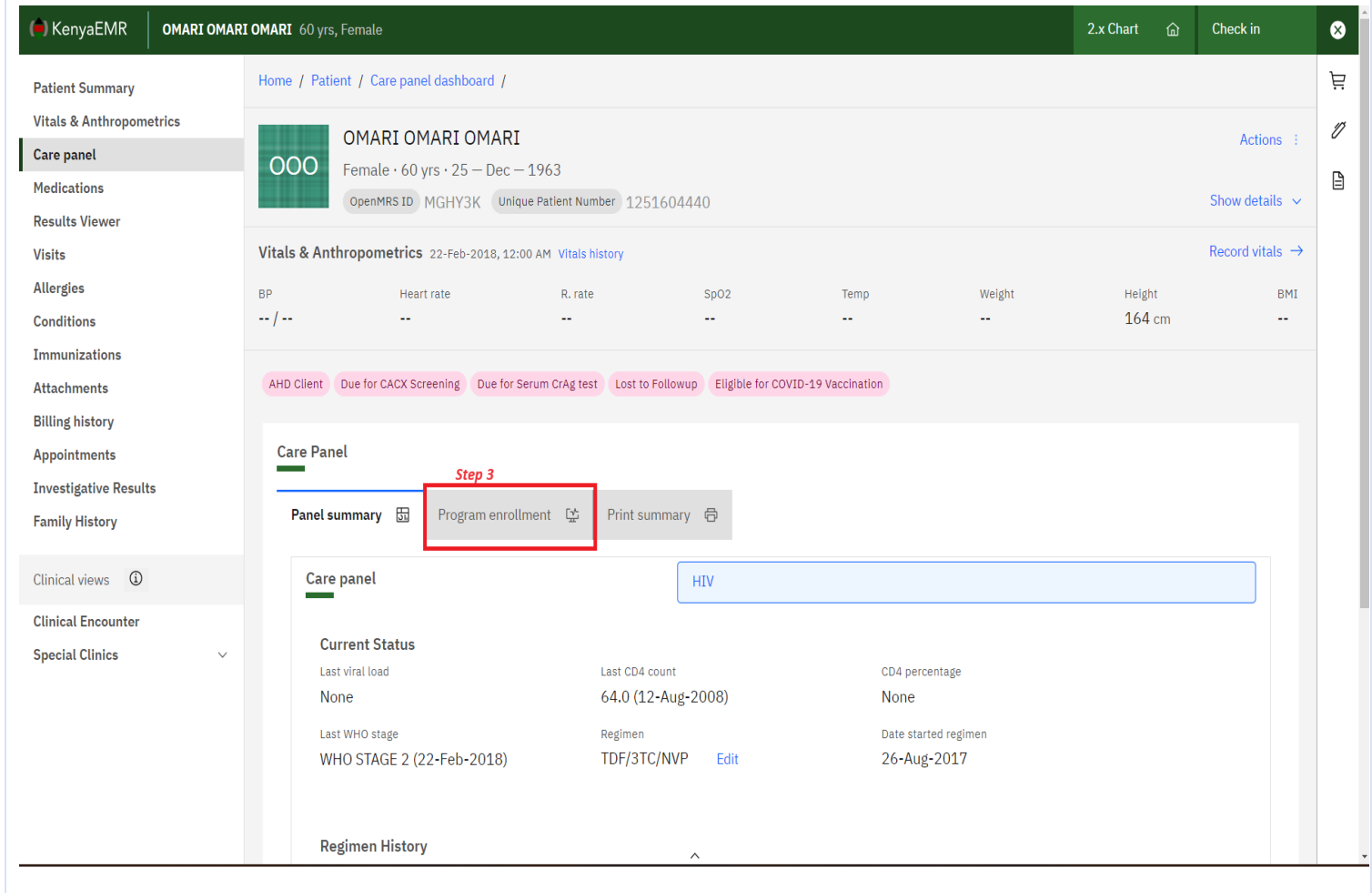
[Record conditions](#)

Active Medications

⋮

There are no active medications to display for this patient

3. On the Care panel dashboard, click on “program enrolment”.



KenyaEMR | OMARI OMARI OMARI 60 yrs, Female | 2.x Chart | Home | Check in

Home / Patient / Care panel dashboard /

Patient Summary
Vitals & Anthropometrics
Care panel
Medications
Results Viewer
Visits
Allergies
Conditions
Immunizations
Attachments
Billing history
Appointments
Investigative Results
Family History

OMARI OMARI OMARI
Female · 60 yrs · 25 — Dec — 1963
OpenMRS ID MGHY3K Unique Patient Number 1251604440

Vitals & Anthropometrics 22-Feb-2018, 12:00 AM [Vitals history](#) [Record vitals](#) →

BP	Heart rate	R. rate	SpO2	Temp	Weight	Height	BMI
-- / --	--	--	--	--	--	164 cm	--

AHD Client Due for CACX Screening Due for Serum CrAg test Lost to Followup Eligible for COVID-19 Vaccination

Care Panel

Step 3

Panel summary Program enrollment Print summary

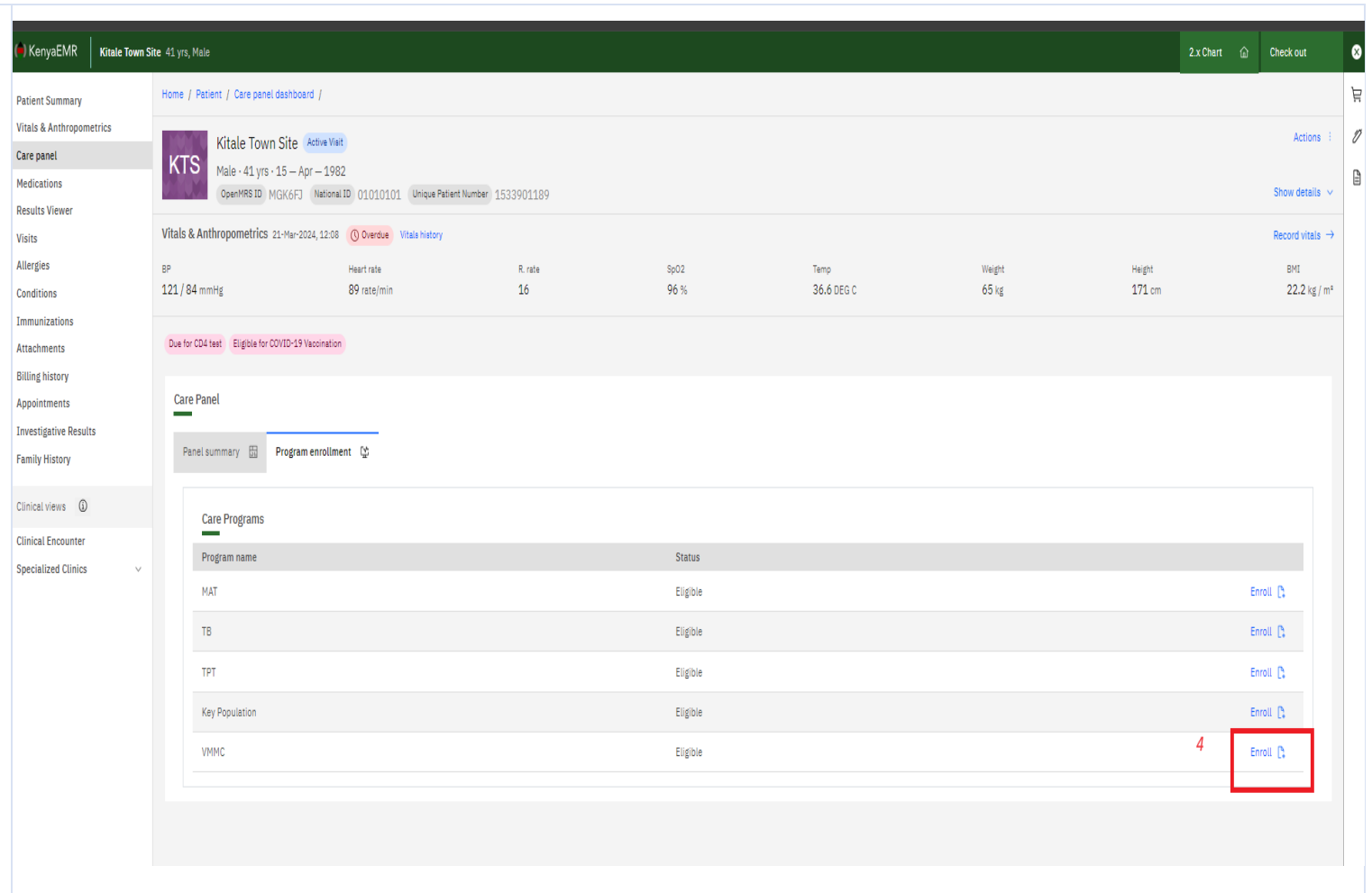
Care panel HIV

Current Status

Last viral load	Last CD4 count	CD4 percentage
None	64.0 (12-Aug-2008)	None
Last WHO stage	Regimen	Date started regimen
WHO STAGE 2 (22-Feb-2018)	TDF/3TC/NVP Edit	26-Aug-2017

Regimen History

- Navigate to VMHC and click on Enrol button to Enrol client into VMHC service.



KenyaEMR Kitale Town Site 41 yrs, Male 2 x Chart Check out

Home / Patient / Care panel dashboard /

KTS Kitale Town Site Active Visit Actions

Male - 41 yrs - 15 - Apr - 1982 Show details

OpenMRS ID: MGK6FJ National ID: 01010101 Unique Patient Number: 1533901189

Vitals & Anthropometrics 21-Mar-2024, 12:08 Overdue Vitals history Record vitals

BP	Heart rate	R. rate	SpO2	Temp	Weight	Height	BMI
121 / 84 mmHg	89 rate/min	16	96 %	36.6 DEG C	65 kg	171 cm	22.2 kg / m ³

Due for CD4 test Eligible for COVID-19 Vaccination

Care Panel

Panel summary Program enrollment

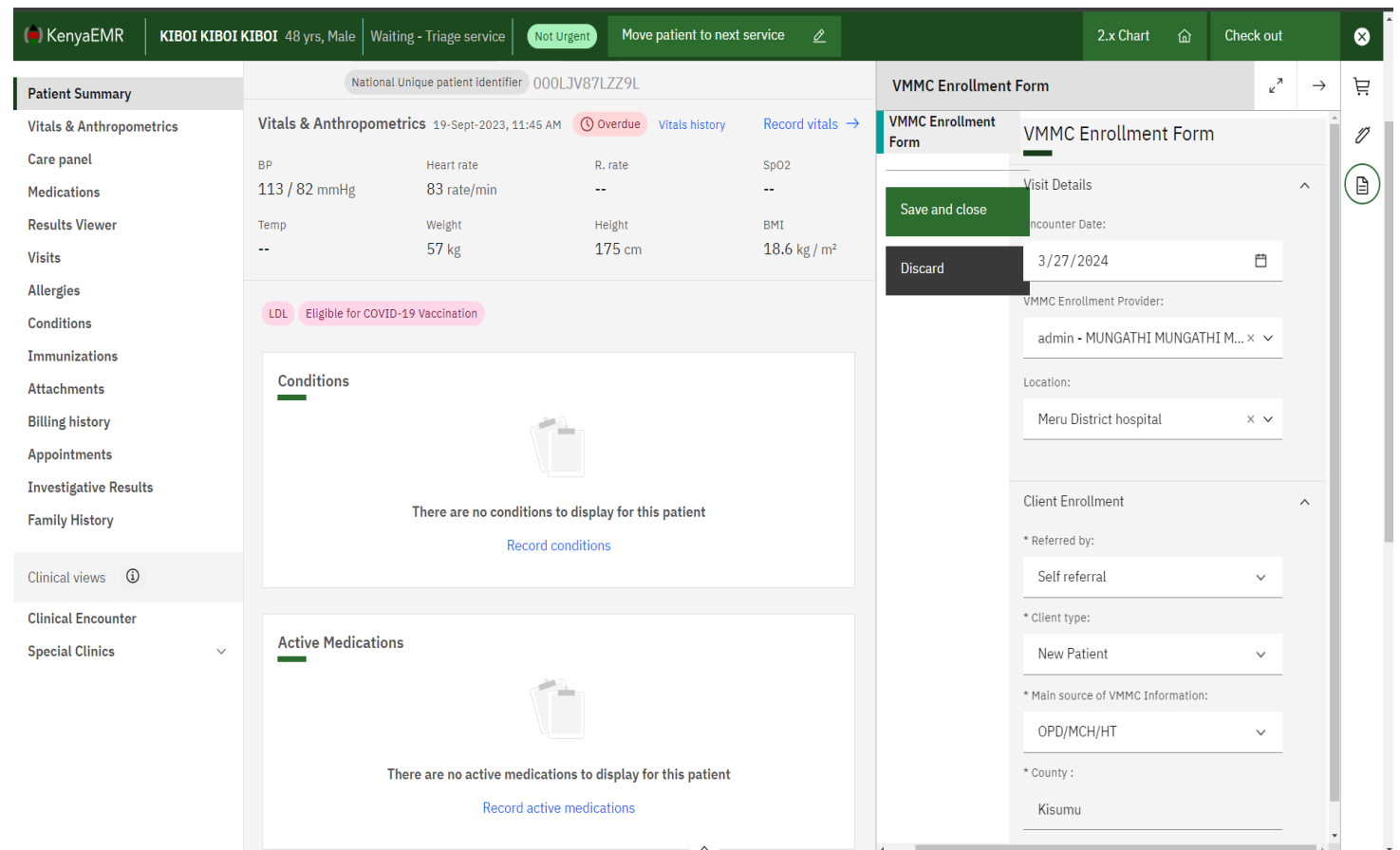
Care Programs

Program name	Status	Enroll
MAT	Eligible	Enroll
TB	Eligible	Enroll
TPT	Eligible	Enroll
Key Population	Eligible	Enroll
VMHC	Eligible	Enroll

5. This opens a VMMC Enrolment form on your right as shown. Provide all the information i.e
- Encounter date of the visit
 - Select one referral option as appropriate
 - Specify the source of VMMC information
 - Select county of origin from the drop down list

Click on **“Save and Close”** to submit the form.

This successfully enrolls the client to VMMC program.



The screenshot shows the KenyaEMR interface for a patient named KIBOI KIBOI KIBOI, 48 yrs, Male, in a 'Waiting - Triage service' state. The patient's National Unique Identifier is 000LJV87LZZ9L. The interface is divided into several sections:

- Patient Summary:** A sidebar menu with options like Vitals & Anthropometrics, Care panel, Medications, Results Viewer, Visits, Allergies, Conditions, Immunizations, Attachments, Billing history, Appointments, Investigative Results, and Family History.
- Vitals & Anthropometrics:** A table showing vital signs for 19-Sept-2023, 11:45 AM. The patient is marked as 'Overdue'.

BP	Heart rate	R. rate	SpO2
113 / 82 mmHg	83 rate/min	--	--
Temp	Weight	Height	BMI
--	57 kg	175 cm	18.6 kg / m ²
- Conditions:** A section indicating 'There are no conditions to display for this patient' with a 'Record conditions' link.
- Active Medications:** A section indicating 'There are no active medications to display for this patient' with a 'Record active medications' link.
- VMMC Enrollment Form:** A form on the right side with the following fields:
 - Visit Details:** Encounter Date: 3/27/2024.
 - VMMC Enrollment Provider:** admin - MUNGATHI MUNGATHI M...
 - Location:** Meru District hospital.
 - Client Enrollment:**
 - * Referred by: Self referral
 - * Client type: New Patient
 - * Main source of VMMC Information: OPD/MCH/HT
 - * County: Kisumu

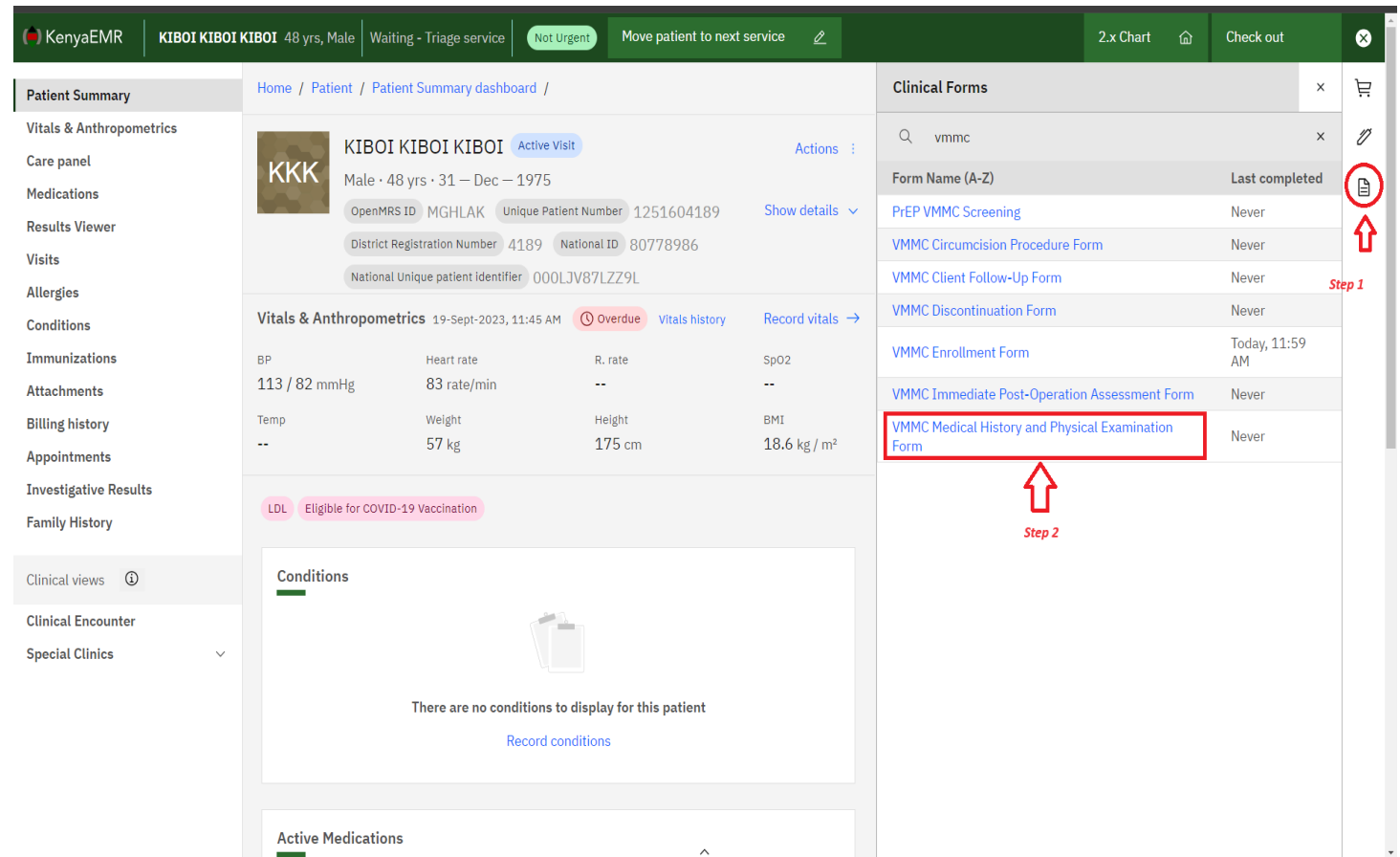
6. Starting VMMC Service

Locate and open VMMC History and Physical Examination form as indicated.

Steps:

1. Navigate to the patient care panel dashboard.
2. Click on clinical forms icon as indicated.

Note: This form is only visible after client is enrolled into VMMC Service



KenyaEMR | KIBOI KIBOI KIBOI 48 yrs, Male | Waiting - Triage service | Not Urgent | Move patient to next service | 2.x Chart | Check out

Home / Patient / Patient Summary dashboard /

Patient Summary

Vitals & Anthropometrics
Care panel
Medications
Results Viewer
Visits
Allergies
Conditions
Immunizations
Attachments
Billing history
Appointments
Investigative Results
Family History

Clinical Forms

Form Name (A-Z)	Last completed
PrEP VMMC Screening	Never
VMMC Circumcision Procedure Form	Never
VMMC Client Follow-Up Form	Never
VMMC Discontinuation Form	Never
VMMC Enrollment Form	Today, 11:59 AM
VMMC Immediate Post-Operation Assessment Form	Never
VMMC Medical History and Physical Examination Form	Never

LDL Eligible for COVID-19 Vaccination

Conditions

There are no conditions to display for this patient

Record conditions

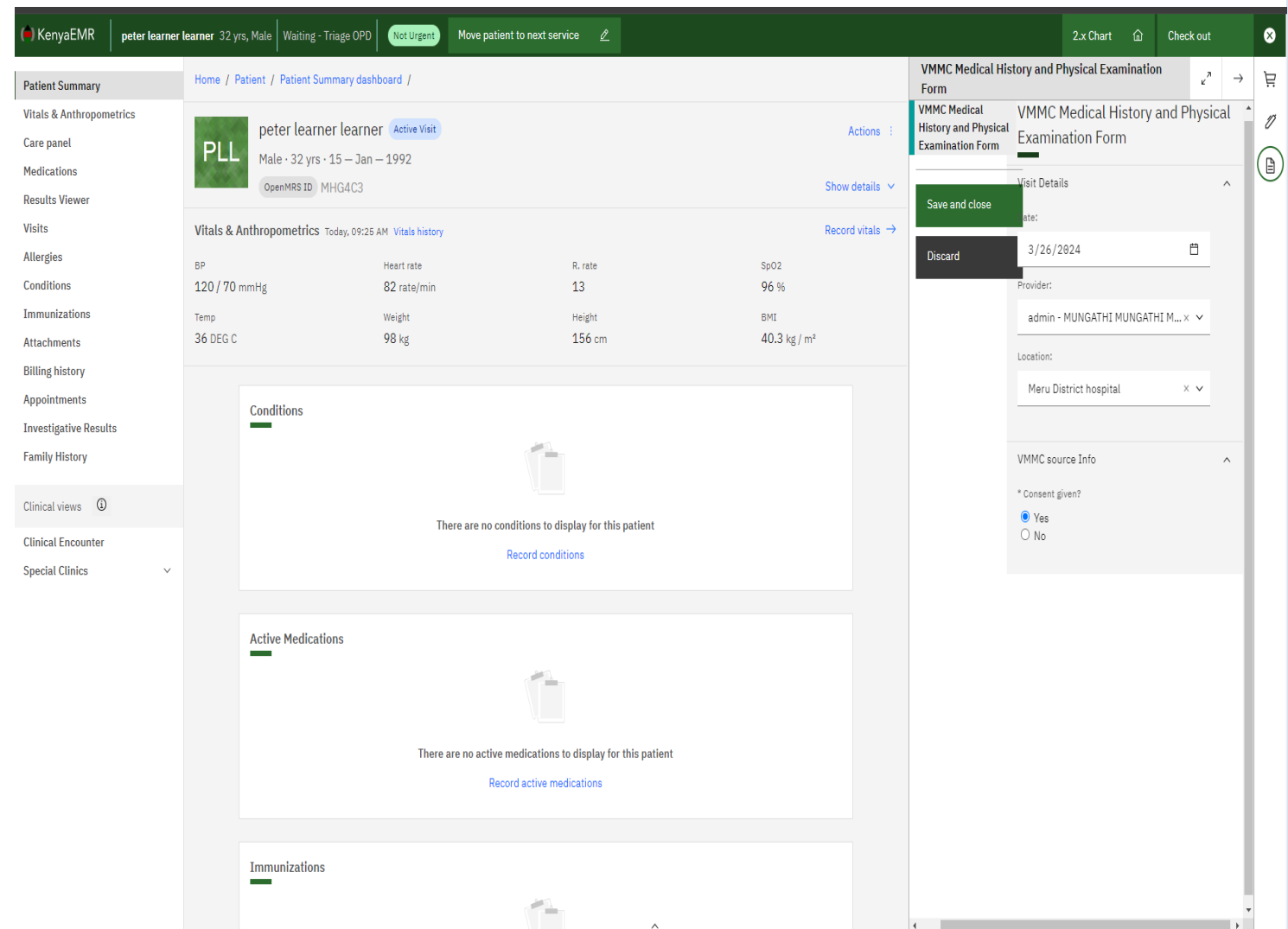
Active Medications

7. Documenting Medical History & Physical Examination

This is the first form that's available after client is enrolled into VMMC service. Use this form to start VMMC encounter. Note the required fields i.e. Encounter date, Consent given, presenting complaints, current treatment, allergies, previous surgical procedures, tetanus vaccination, health status and circumcision method chosen.

Click "Save" to submit the form.

NB: You will not proceed to fill the form where consent is "No". Instead additional information on Referral services will be filled



The screenshot shows the KenyaEMR interface for a patient named Peter Learner Learner. The patient is 32 years old, male, and is currently in a 'Waiting - Triage OPD' status. The form is titled 'VMMC Medical History and Physical Examination Form'. The interface includes a sidebar with navigation options like 'Patient Summary', 'Vitals & Anthropometrics', 'Care panel', 'Medications', 'Results Viewer', 'Visits', 'Allergies', 'Conditions', 'Immunizations', 'Attachments', 'Billing history', 'Appointments', 'Investigative Results', 'Family History', 'Clinical views', 'Clinical Encounter', and 'Special Clinics'. The main content area displays the patient's vitals and anthropometrics for today at 09:25 AM. The vitals table shows: BP 120/70 mmHg, Heart rate 82 rate/min, R. rate 13, SpO2 96%, Temp 36 DEG C, Weight 98 kg, Height 156 cm, and BMI 40.3 kg/m². Below the vitals, there are three sections: 'Conditions', 'Active Medications', and 'Immunizations', each showing 'There are no [category] to display for this patient' with a 'Record [category]' link. On the right side, there is a form for 'Visit Details' with fields for 'Date' (3/26/2024), 'Provider' (admin - MUNGATHI MUNGATHI M...), and 'Location' (Meru District hospital). There is also a 'VMMC source Info' section with a 'Consent given?' radio button set to 'Yes'.

8. VMMC Circumcision Procedure Form

This is the second form that is used to document the circumcision procedure. Ensure to capture as much information as possible while noting the fields marked with Asterisks (*) are mandatory i.e.

1. Encounter Date
2. Provider name. This will be automatically filled based on who has login in the system.
3. Select the correct circumcision method option by selecting from the drop down available.
4. Select the appropriate Anaesthesia used from the drop-down list:
 - Click on Add button to select the Anaesthesia. use from the drop-down list.
 - Specify the concentration (mg)
 - Specify the volume. (in mm)
 - Enter the date and time of the device placement.
 - Specify the time wound closure.

VMMC Circumcision Procedure Form

VMMC Procedure

VMMC Procedure

Save and close

Discard

Encounter Details

Date:

Provider:

Location:

Method Of Circumcision

* Method:

Circumcision Procedure

* Anaesthesia Type:

Anaesthesia Agent used:

Other Agent Other Agent

Time of Placement(device) or first surgical cut(conventional surgical)[time in 24 hour clock:

Time of making the last slit(device) or time of wound closure (conventional surgical)[time in 24 hour clock:

5. Record all the Adverse events Post circumcision that occur during procedure. Select from the drop-down list to select any:
 - adverse events
 - Severity
 - Then add description of AE management.
6. Record the appropriate medication given if any by selecting the available check boxes.
7. Capture the details and cadre of the personal in charge and the theatre register number.
8. Once done, click on “**Save and close**” to submit the form.

VMMC Circumcision Procedure Form

VMMC Procedure

Adverse Event Post Circumcision

Record any Adverse Events that occurred during Circumcision Procedure

Severity

Management of Adverse Events if any:

Remove
Add

* Medication given if any:

No

Yes

Medication

Analgesic

Antibiotics

TTCV

Other

Personnel in charge

* Name of Clinician

* Cadre

CO

MO

Nurse

Name of Assistant Clinician

Cadre

CO

MO

Nurse

* Theatre Register Number:

Save and close
Discard

9. VMMC Immediate Post-Operation Assessment form

This form is used to document post circumcision events.

Capture as much information as can be provided by client while noting the fields marked as Required.

1. Enter the date of the visit
2. Capture all the vital information, i.e Pulse Rate and Temperature. You can also review the last vital values captured previously for comparison.
3. Select and click on the appropriate option for penis elevation and post procedure instructions to client.
4. Specify any other medication given. Tick all the options that apply.
5. Enter the date of:
 - removal date
 - next appointment date
 - Specify the name of discharging officer and the cadre.
6. Click on “**Save and Close**” to Submit form once done.

NB: Form will not submit If any of the required field is blank.

KenyaEMR | peter learner learner 32 yrs, Male | Waiting - Triage OPD | Not Urgent | Move patient to next service

VMMC Immediate Post-Operation Assessment Form

VMMC Immediate Post-Operation Assessment

Save and close

Discard

3/26/2024

Provider:

admin - MUNGATHI MUNGATHI MUNGATHI

Location:

Meru District hospital

VMMC Immediate Post-Operation Assessment

* Systolic (mmHg)

This field is required!

* Diastolic (mmHg)

* Pulse Rate

* °C

* Penis elevated against abdomen?

No

Yes

* Client given post procedure instruction?

No

Yes

* Post operation medication given?

No

Yes

* Scheduled removal date:

dd/mm/yyyy

* Scheduled next visit(device removal/review):

dd/mm/yyyy

* Discharged by:

* Cadre:

CO

MO

Nurse

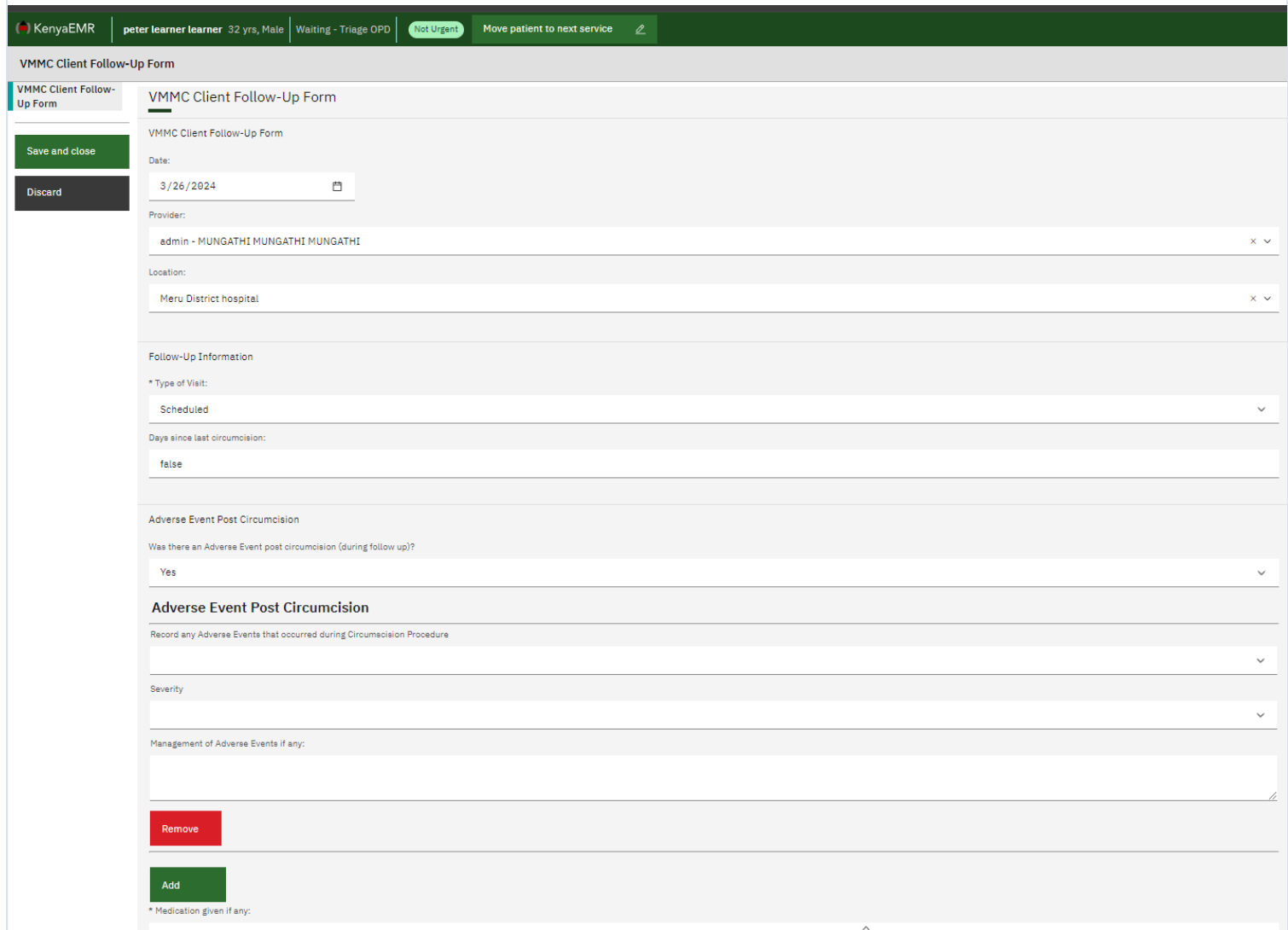
10. VMMC Client Follow-up Form

The form is used to capture information during a client's follow up visit.

Document all the fields as required.

Steps:

1. Search and locate the client from the system
2. Click on client's name to open profile
3. Check-in client
4. Open VMMC follow up form and complete as guided.
 - Enter the date of the visit
 - Specify the visit type by clicking on the appropriate option.
 - Day since the circumcision with an auto-calculated field. You do not have to enter anything here.
 - Specify if there is any **Post circumcision Adverse Events** during this follow up. If "yes" click on the "Add" button and select the appropriate AE that occurred during the procedure
 - Specify if any medication was given and select appropriately.
 - Enter the name of discharging officer and cadre.



The screenshot shows the VMMC Client Follow-Up Form interface. At the top, there is a header bar with the following information: KenyaEMR, peter learner learner 32 yrs, Male, Waiting - Triage OPD, Not Urgent, and Move patient to next service. Below the header, the form title is "VMMC Client Follow-Up Form". On the left side, there are two buttons: "Save and close" (green) and "Discard" (black). The form fields include: Date (3/26/2024), Provider (admin - MUNGATHI MUNGATHI MUNGATHI), Location (Meru District hospital), Follow-Up Information (Type of Visit: Scheduled, Days since last circumcision: false), Adverse Event Post Circumcision (Was there an Adverse Event post circumcision (during follow up)? Yes), Adverse Event Post Circumcision (Record any Adverse Events that occurred during Circumcision Procedure), Severity, and Management of Adverse Events if any. At the bottom, there are "Remove" (red) and "Add" (green) buttons, and a field for Medication given if any.

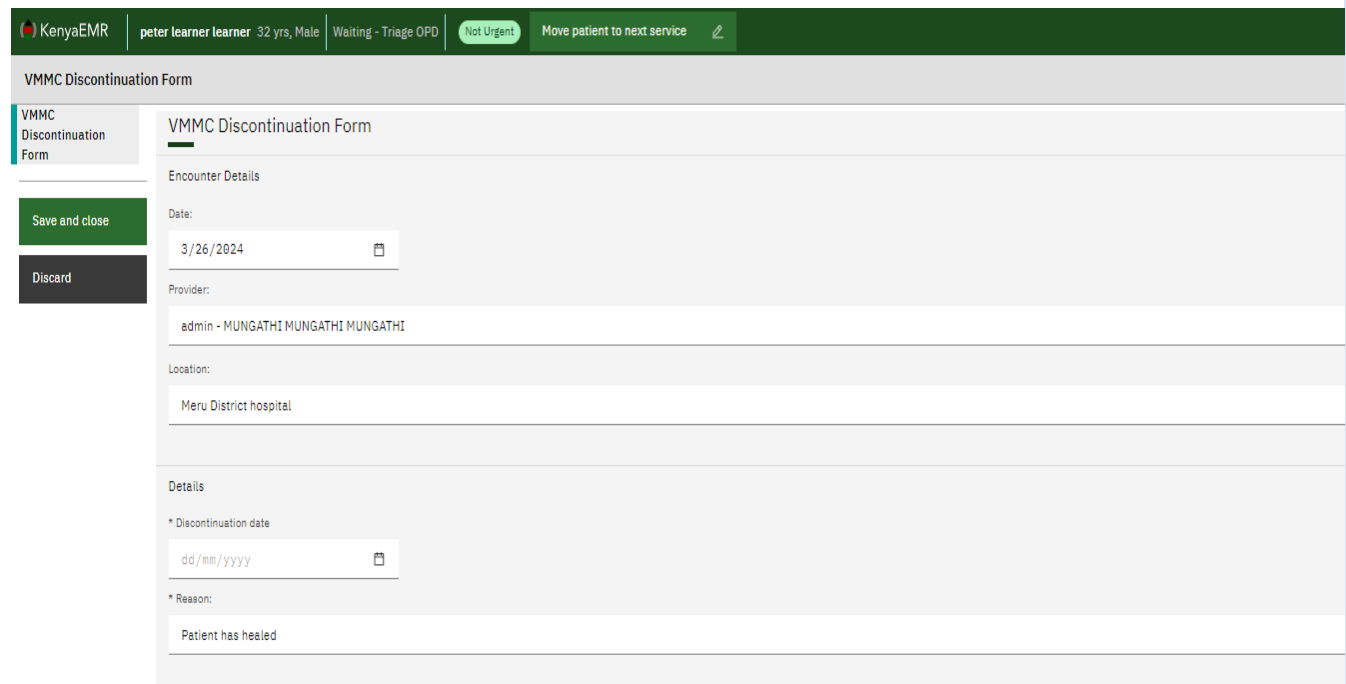
Click on "Save and Close" to Submit form once done.

11. VMMC Discontinuation

Once the client has completed all the required appointments. The last process is to fill in a discontinuation form.

This is the final encounter before the client is discharged from VMMC service.

- Complete the date of client visit
- Enter the client Discontinuation Date
- 5. Click on **“Save and Close”** to Submit form once done.



The screenshot shows the 'VMMC Discontinuation Form' in the KenyaEMR system. At the top, a green header bar displays 'KenyaEMR', patient information 'peter learner learner 32 yrs, Male', and status 'Waiting - Triage OPD'. A 'Not Urgent' button and a 'Move patient to next service' link are also visible. The form is divided into sections: 'Encounter Details' and 'Details'. In the 'Encounter Details' section, the 'Date' is set to '3/26/2024', the 'Provider' is 'admin - MUNGATHI MUNGATHI MUNGATHI', and the 'Location' is 'Meru District hospital'. In the 'Details' section, the '* Discontinuation date' is a date picker showing 'dd/mm/yyyy', and the '* Reason' is 'Patient has healed'. On the left side of the form, there are two buttons: 'Save and close' (green) and 'Discard' (black).

THE END