

SOP: Electronic VMMC Module User guide

Last update: July 2023

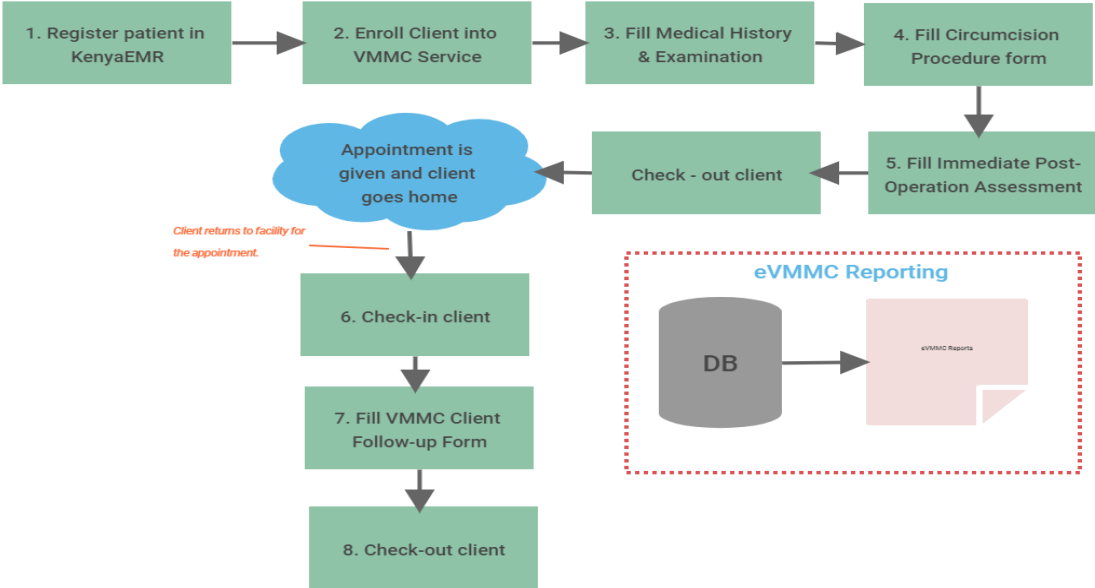
Objective: eVMMC module in KenyaEMR supports documentation of VMMC services at facility level. This document guides users on how to navigate and utilize eVMMC module in KenyaEMR.

Tasks: Complete eVMMC tasks by filling the following forms;

- Client enrolment form
- Medical History & Physical Examination
- Circumcision procedure form
- Immediate post-operation assessment
- Client follow-up form

Who: Clinician/Nurse/Data clerk/Care providers

Requirements: Working KenyaEMR instance (ver 18.6.X)

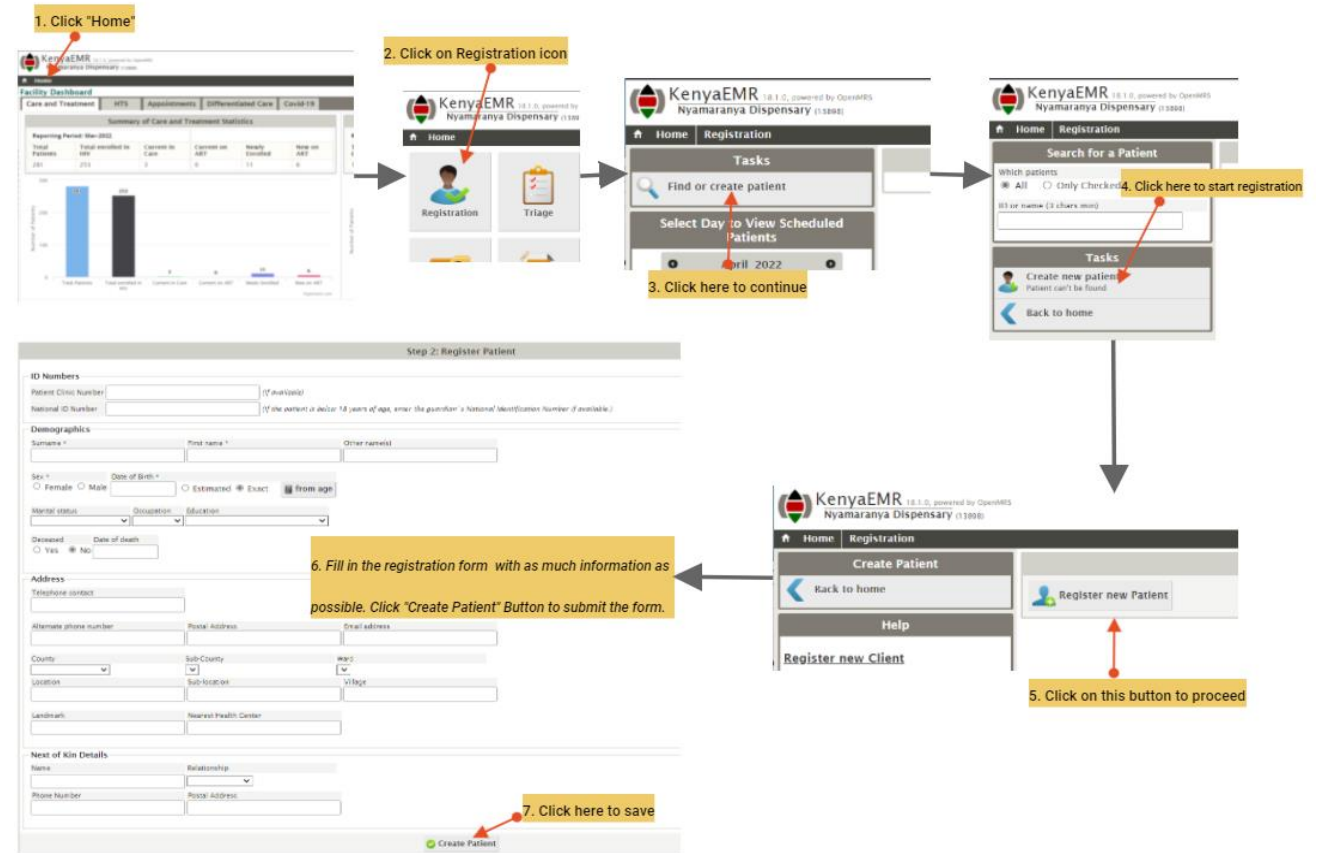
Area	Illustration
<p>Summary eVMC Module in KenyaEMR comprises five main forms i.e.</p> <ol style="list-style-type: none"> Client enrolment form Medical History & Physical Examination Circumcision procedure form Immediate post-operation assessment Client follow-up form <p>The diagram provides a summary of the eVMC workflow for quick reference.</p> <p>NB: All forms are completed during the initial visit except Client Follow-up form that is used during client's follow up visit.</p>	<p style="text-align: center;">Schematic workflow of eVMC module in KenyaEMR</p>  <pre> graph TD 1[1. Register patient in KenyaEMR] --> 2[2. Enroll Client into VMC Service] 2 --> 3[3. Fill Medical History & Examination] 3 --> 4[4. Fill Circumcision Procedure form] 4 --> 5[5. Fill Immediate Post-Operation Assessment] 5 --> 6[6. Check-in client] 6 --> 7[7. Fill VMC Client Follow-up Form] 7 --> 8[8. Check-out client] 5 --> Cloud([Appointment is given and client goes home]) Cloud -- "Client returns to facility for the appointment." --> 6 subgraph eVMC_Reporting [eVMC Reporting] DB[(DB)] --> Reports[eVMC Reports] end </pre>

Client Registration Process in KenyaEMR

Step 0. 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.

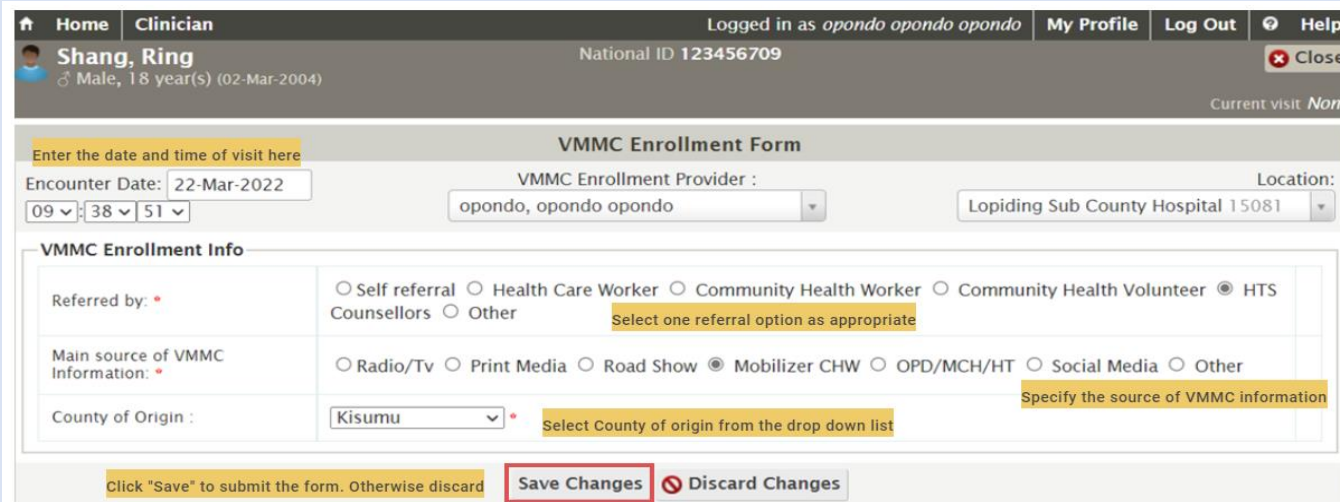


1. Client enrolment

Before any documentations can be performed on the module, The client has to be registered in KenyaEMR then enrolled into VMMC Service.

Steps:

- Register client in KenyaEMR
- Enrol client into VMMC service
 - o Provide all the information as indicated on this screenshot.
 - o Click "Save" to submit the form



The screenshot shows the 'VMMC Enrollment Form' for a client named Shang, Ring (Male, 18 year(s), 02-Mar-2004). The form includes fields for Encounter Date (22-Mar-2022), VMMC Enrollment Provider (opondo, opondo opondo), and Location (Lopiding Sub County Hospital 15081). The 'VMMC Enrollment Info' section contains radio buttons for 'Referred by' (Self referral, Health Care Worker, Community Health Worker, Community Health Volunteer, HTS Counsellors, Other) and 'Main source of VMMC Information' (Radio/Tv, Print Media, Road Show, Mobilizer CHW, OPD/MCH/HT, Social Media, Other). The 'County of Origin' is set to Kisumu. A yellow box highlights the 'Save Changes' button, and a note says 'Click "Save" to submit the form. Otherwise discard'.

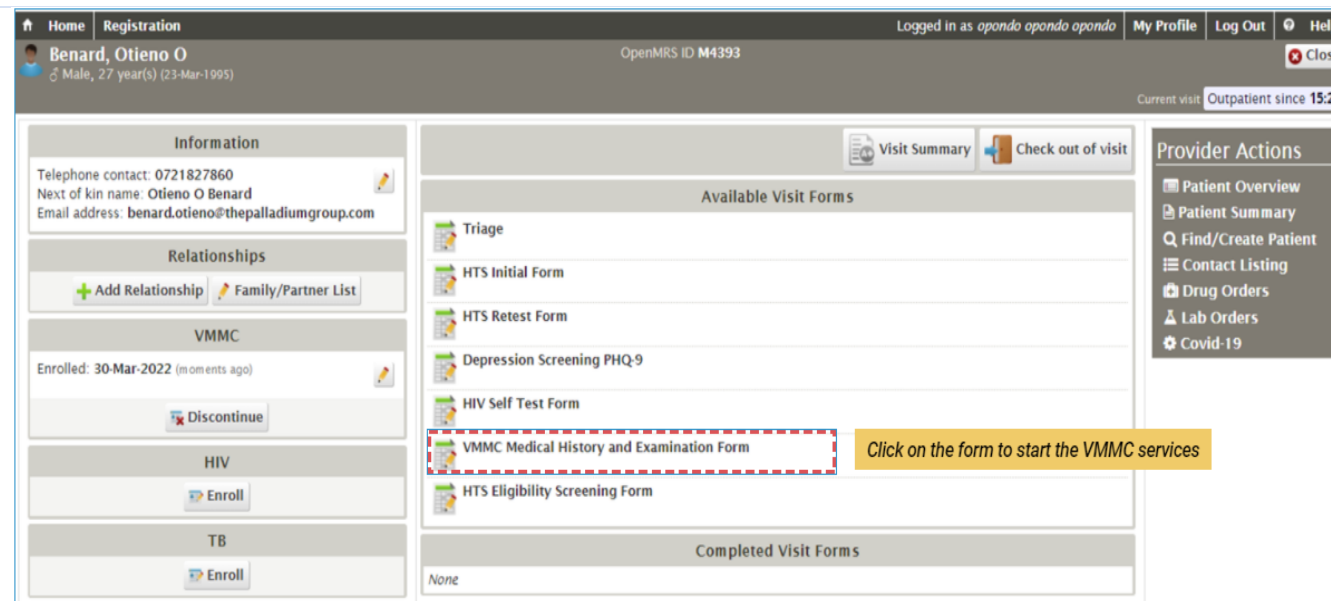
2. Starting VMMC Service

Locate and open VMMC History and Examination form as indicated.

Steps:

- Check-In the client.
- Click on the indicated form to open.

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



The screenshot shows the 'VMMC Medical History and Examination Form' for a client named Benard, Otieno O (Male, 27 year(s), 23-Mar-1995). The form is part of the 'Available Visit Forms' section. A yellow box highlights the 'VMMC Medical History and Examination Form' with the instruction 'Click on the form to start the VMMC services'. The 'Completed Visit Forms' section is currently empty. The 'Provider Actions' sidebar on the right includes links for Patient Overview, Patient Summary, Find/Create Patient, Contact Listing, Drug Orders, Lab Orders, and Covid-19.

3. Documenting Medical History & 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". The form will end at that.

KenyaEMR 1.8.1.2, powered by OpenMRS
 Lopiding Sub County Hospital (15081)

Home | Chart
 Shang, Ring
 Male, 18 year(s) (02-Mar-2004)
 National ID 123456709
 Logged in as opondo opondo opondo | My Profile | Log Out | Help

Editing Outpatient visit, 22-Mar-2022 09:39

VMMC Medical History and Examination Form

Encounter Date: 22-Mar-2022 09:39:25 VMMC Physical Examination Provider: opondo, opondo opondo Location: Lopiding Sub County Hospital 15081

VMMC source info
 Consent given? ☒ Yes ☐ No *Indicate if the client has consented*

Knowledge of HIV Status
 HIV Status: Negative HIV Test Date: 21-Mar-2022 *Specify client's HIV status and date of HIV test*

Medical History and Physical Examination
 Client's known history of: ☐ Bleeding Disorder ☐ Diabetes *Specify any known history i.e. diabetes or bleeding disorder*
 Client presenting with complaint: ☐ Urethral Discharge ☐ Genital Sore ☐ Pain on Urination ☐ Swelling of the scrotum ☐ Difficulty in retracting foreskin ☐ Difficulty in returning foreskin to normal ☐ Concerns about erection/sexual function ☐ Epispadia ☐ Hypospadia ☐ Others *Check all the complaints as applies*

Other Treatments
 Client undergoing treatment: ☐ Yes ☒ No ☐ Anemia ☐ Diabetes ☐ HIV/AIDS ☐ Other

Record any known allergies

Causative agent	Reaction	Severity	Date of Onset
Eggs	itching	Mild	02-Aug-2021

Specify allergies if any by selecting from the drop down

Any known allergies? ☐ Yes ☒ No

Client ever had a surgical operation? ☐ Yes ☒ No *Select options appropriately*

Client has documented proof of having received Tetanus Booster Vaccine within the last 5 years? ☒ Yes ☐ No

Client given Tetanus Booster Vaccine? ☒ Yes ☐ No Date: 01-Dec-2021

Record all required vitals here
 BP: 120 / 80 mmHg 120.0 mmHg (22-Mar-2022) / 80.0 mmHg (22-Mar-2022)
 Pulse Rate: 65 65.0 (22-Mar-2022)
 Temp: 33 °C 33 DEG C (22-Mar-2022) *Vital sign values from previous recording*

Confirmation of client's eligibility
 In good health: ☒ Yes ☐ No Counselled: ☒ Yes ☐ No Consented: ☒ Yes ☐ No *Patient has consented* Tetanus vaccination status: *Select options as appropriate to confirm client's eligibility*

Method of Circumcision chosen by client:
 Method: ☐ Conventional Surgical ☐ Device Circumcision *Specify circumcisions method*

Save Changes | Discard Changes | Click "Save" to submit the form. Otherwise discard.

4. 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 as mandatory marked with Asterisks (*) i.e., Encounter Date, Method of circumcision, Type of Anaesthesia, Adverse events during procedure, name of clinician, Cadre and theatre register number. Once done, click "Save" to submit the form.

Home | Chart | Logged in as opondo opondo opondo | My Profile | Log Out | Help

Shang, Ring | National ID 123456709 | Close

Editing Outpatient visit, 22-Mar-2022 09:39

Enter the date and time of visit here | VMMC Circumcision Procedure Form

Enrollment date: 22-Mar-2022 | 09:39:25 | VMMC Procedure Provider: opondo, opondo opondo | Enrolled at: Loping Sub County Hospital 15081

Method Of Circumcision

Method: ☐ Conventional Surgical ☐ Device Circumcision | Select the correct circumcision method option

Circumcision Procedure

Anaesthesia used: Type: ☒ Local Anaesthesia ☐ Topical Anaesthesia | Select appropriate anesthesia type used

Agent	Concentration(mg):	Volume(ml):
Bupivacaine	1	25

☐ Other Agent

Time of Placement(device) or first surgical cut(conventional surgical)time in 24 hour clock: 22-Mar-2022 | 09:47:00 | - Enter the date and time of the device placement

Time of making the last slit(device) or time of wound closure (conventional surgical)time in 24 hour clock: | 00:00:00 | - Specify the time wound closure

Was there an Adverse Event during circumcision? ☒ Yes ☐ No | Specify any adverse events during circumcision

Type of adverse event	Description of adverse event	Severity
<input checked="" type="checkbox"/> Pain	Select	Moderate
<input checked="" type="checkbox"/> Bleeding	Select	Mild
<input type="checkbox"/> Anaesthetic Reaction	Select	
<input type="checkbox"/> Excessive skin removed	Select	
<input type="checkbox"/> Damage to the penis	Select	

Record any Adverse Events that occurred during Circumcision Procedure:

Management of Adverse Events if any: Some medication given for controlling pain and bleeding | Add description of AE management here

Personnel in charge

Name of Clinician: Ojwang | Cadre: ☒ MO ☐ CO ☐ Nurse | Capture the details of the Personnel Incharge

Name of Assistant Clinician: Ck | Cadre: ☐ MO ☐ CO ☒ Nurse

Theatre Register Number: | Enter the theatre register number for the current client

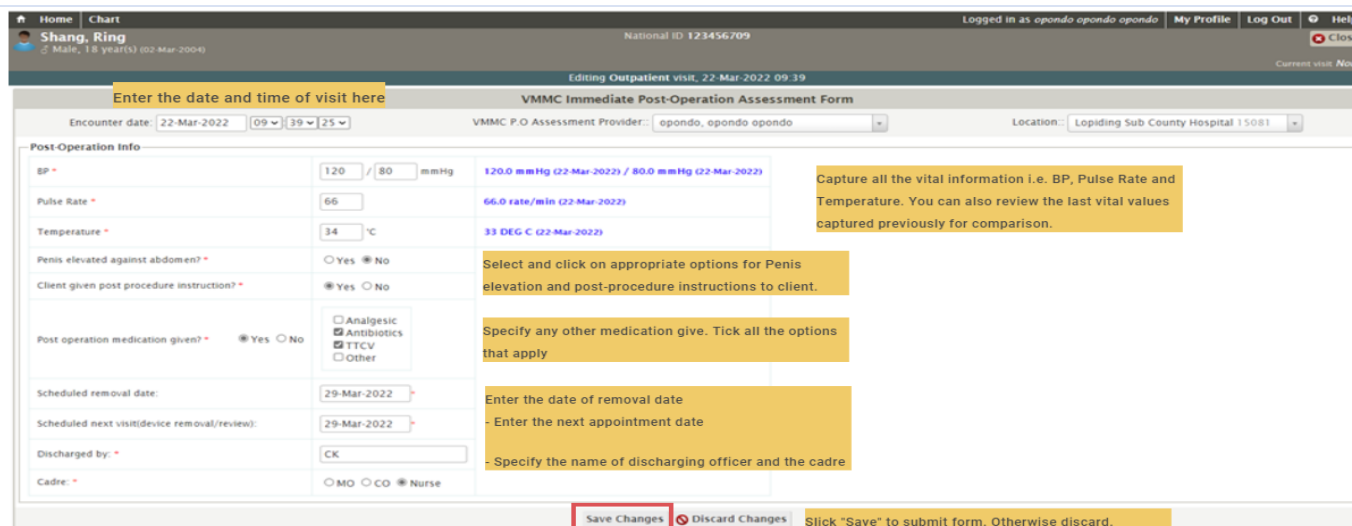
Save Changes | Discard Changes | Click "Save" to submit the form. Otherwise discard

5. 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. Submit form once done.

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



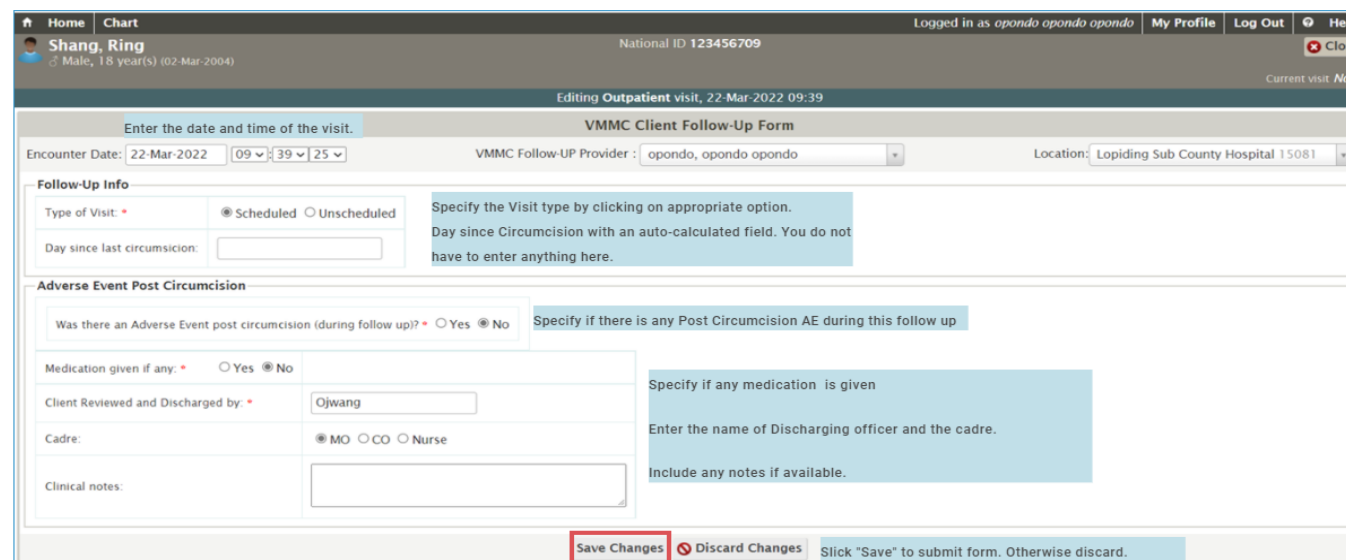
The screenshot shows the 'VMMC Immediate Post-Operation Assessment Form' for a client named Shang, Ring. The form includes fields for BP, Pulse Rate, Temperature, Penis elevated against abdomen, Client given post procedure instruction, Post operation medication given, Scheduled removal date, Scheduled next visit, Discharged by, and Cadre. A 'Save Changes' button is highlighted at the bottom.

6. 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. Verify entered information and click "Save" to submit if satisfied.

Steps:

- Search and locate the client from the system
- Click on client's name to open profile
- Check-in client
- Open VMMC follow up form and complete as guided.



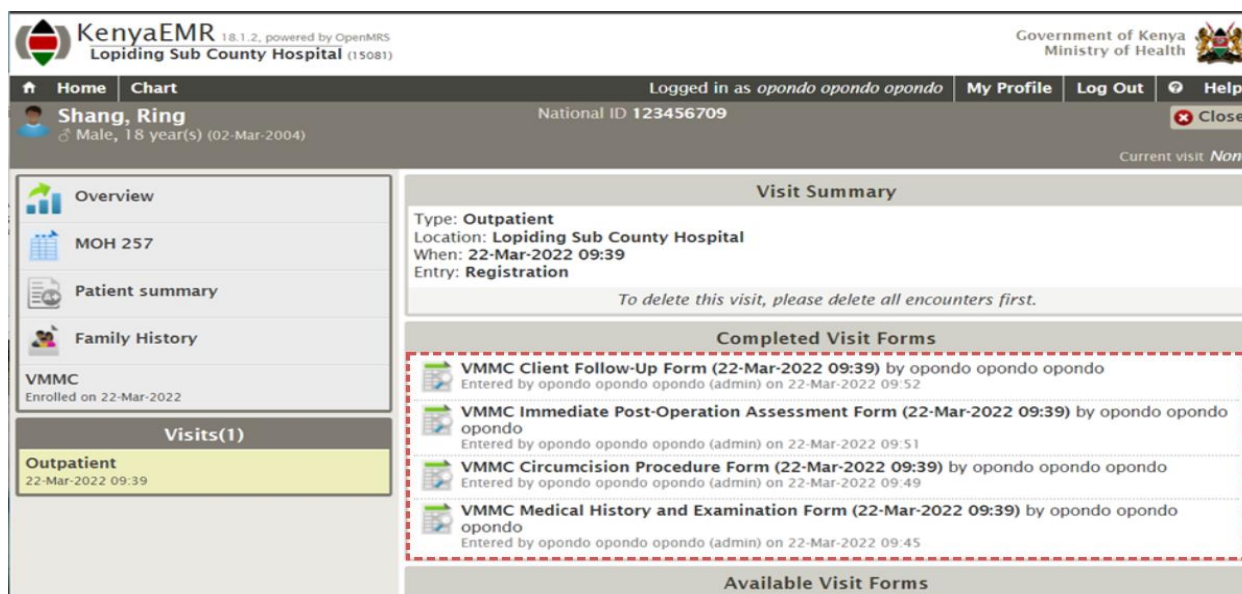
The screenshot shows the 'VMMC Client Follow-up Form' for the same client. It includes fields for Type of Visit, Day since last circumcision, Adverse Event Post Circumcision, Medication given if any, Client Reviewed and Discharged by, Cadre, and Clinical notes. A 'Save Changes' button is highlighted at the bottom.

7. List of completed forms for VMMC Service

All forms that have been used are moved from “Available Forms” to “Completed Forms” section.

You can view completed forms as shown. The form contains metadata like name of users, date and time of completion.

To edit information on any of the form, click on it to open and click “Edit form”.



KenyaEMR 18.1.2, powered by OpenMRS
 Lopiding Sub County Hospital (15081)

Government of Kenya
 Ministry of Health

Home | Chart | Logged in as opondo opondo opondo | My Profile | Log Out | Help

Shang, Ring
 Male, 18 year(s) (02-Mar-2004) | National ID 123456709

Current visit: None

Overview

- MOH 257
- Patient summary
- Family History
- VMMC
Enrolled on 22-Mar-2022

Visits(1)

- Outpatient
22-Mar-2022 09:39

Visit Summary

Type: **Outpatient**
 Location: **Lopiding Sub County Hospital**
 When: **22-Mar-2022 09:39**
 Entry: **Registration**

To delete this visit, please delete all encounters first.

Completed Visit Forms

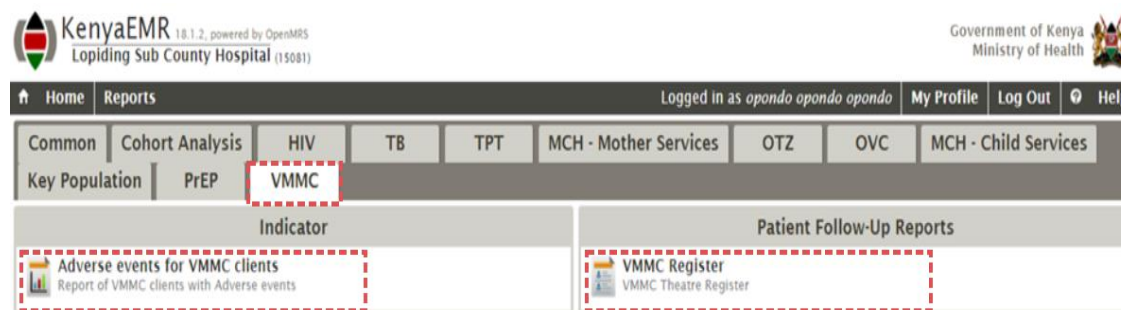
- VMMC Client Follow-Up Form (22-Mar-2022 09:39) by opondo opondo opondo
Entered by opondo opondo opondo (admin) on 22-Mar-2022 09:52
- VMMC Immediate Post-Operation Assessment Form (22-Mar-2022 09:39) by opondo opondo opondo
Entered by opondo opondo opondo (admin) on 22-Mar-2022 09:51
- VMMC Circumcision Procedure Form (22-Mar-2022 09:39) by opondo opondo opondo
Entered by opondo opondo opondo (admin) on 22-Mar-2022 09:49
- VMMC Medical History and Examination Form (22-Mar-2022 09:39) by opondo opondo opondo
Entered by opondo opondo opondo (admin) on 22-Mar-2022 09:45

Available Visit Forms

8. VMMC Reporting

VMMC Specific report have been built within KenyaEMR reporting framework. This includes aggregated reports as well as line lists.

To generate any of the report, Click **Home** on KenyaEMR, locate the **Report** Icon to open the report panel. Locate the VMMC tab as shown.



KenyaEMR 18.1.2, powered by OpenMRS
 Lopiding Sub County Hospital (15081)

Government of Kenya
 Ministry of Health

Home | Reports | Logged in as opondo opondo opondo | My Profile | Log Out | Help

Common | Cohort Analysis | HIV | TB | TPT | MCH - Mother Services | OTZ | OVC | MCH - Child Services

Key Population | PrEP | **VMMC**

Indicator

- Adverse events for VMMC clients
Report of VMMC clients with Adverse events

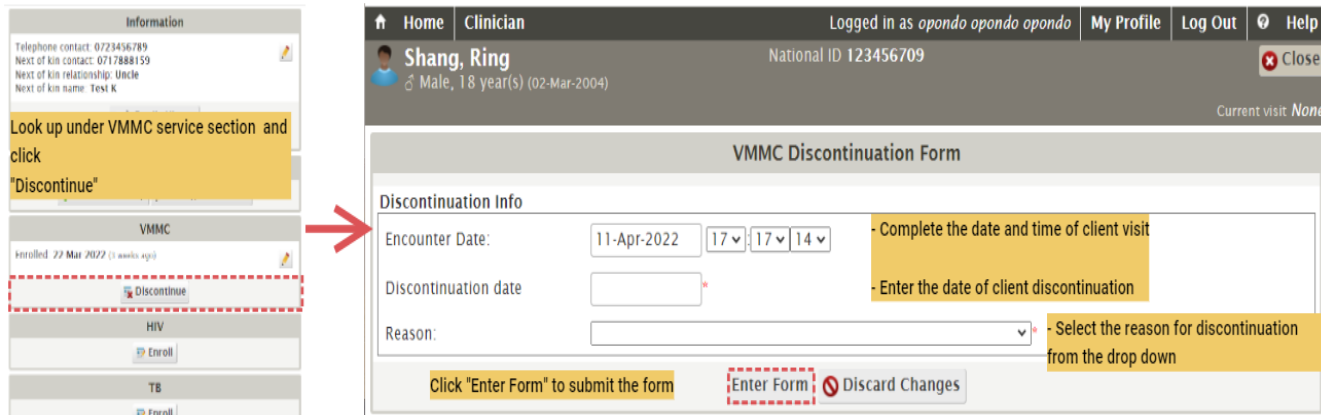
Patient Follow-Up Reports

- VMMC Register
VMMC Theatre Register

Locate VMMC tab above to display available report under VMMC. The reports include Adverse Events for VMMC Clients and VMMC Register. Click on any of the report to generate

9. 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.



Information

Telephone contact: 0723456789
Next of kin contact: 0717888159
Next of kin relationship: Uncle
Next of kin name: Test K

Look up under VMMC service section and click "Discontinue"

VMMC

enrolled: 22 Mar 2022 (1 month ago)

Discontinue

HIV

Enroll

TB

Enroll

Home **Clinician** Logged in as *opondo opondo opondo* **My Profile** **Log Out** **Help**

Shang, Ring National ID 123456709 **Close**

Male, 18 year(s) (02-Mar-2004) Current visit: *None*

VMMC Discontinuation Form

Discontinuation Info

Encounter Date: 11-Apr-2022 17:17:14 **- Complete the date and time of client visit**

Discontinuation date: **- Enter the date of client discontinuation**

Reason: **- Select the reason for discontinuation from the drop down**

Click "Enter Form" to submit the form **Enter Form** Discard Changes

THE END