




Job Aid: EMR/ADT Integration (KenyaEMR 18.6.1)

Revised July 2023

Tasks: Prescribe drugs from KenyaEMR and dispense from ADT	
Objective: How to prescribe drugs from KenyaEMR and dispense from ADT	
Who: Clinicians/Pharmacists	
Prerequisites: Functional KenyaEMR version 18.6.1, Interoperability Layer version 4.0.0, ADT 4.0.1 installation and LAN Connectivity	
Action	Screen shot
Objective: Successfully exchange of registration details and prescriptions between KenyaEMR and Web ADT through Interoperability Layer	
<p>Registering a client</p> <p>Step 1: Login to the EMR by keying in the correct Username and Password. Then click on Login as highlighted.</p> <p>Step 2: Navigate to the Registration Form by double clicking on the Registration module as highlighted.</p> <p>Note: Registration of clients from ADT should conform to KenyaEMR standards - name should not have spaces and numerals</p>	 

Step 3:

Fill out all the required fields on the registration form as shown.

Note: It is important to fill out all the fields even the ones without asterisks

Home Registration

Edit Patient

ID Numbers

Patient Clinic Number (if available)

National ID Number (if the patient is below 18 years of age, enter the guardian's National Identification Number if available.)

Demographics

Surname * First name * Other name(s)

Test WebADT Otieno

Sex * Female Male Date of Birth * 15-Jun-1981 Estimated Exact from age

Marital status Occupation Education

Married polygamous Trader College, university or polytechnic

Deceased Date of death

Yes No

Address

Telephone contact 0724530278

Alternate phone number Postal Address Email address

County Sub-County Ward

Nairobi Langata Nairobi West

Location Sub-location Village

Landmark Nearest Health Center

Next of Kin Details

Name Relationship

Otis Otis Otis Partner

Phone Number Postal Address

Step 4:

Enroll the patient to the HIV program by filling out the **HIV Enrollment Form** then click on **Enter Form** as highlighted

Note: A patient must be enrolled in the HIV service for exchange of registration details between ADT and KenyaEMR to be successful

Home Registration

Test, WebADT Otieno OpenMRS ID MGNVNW Logged in as MARIETA MARIETA MARIETA My Profile

HIV Enrollment

Enrollment date: 17-Dec-2020 13 21 41

Enrolled by: MARIETA, MARIETA MARIETA Enrolled at: Thika Level 5 Hospital 11094

Patient Source

Patient Type New Patient Transfer in Transit Re-enrollment(Re-activation)*

Entry point HBTC VCT Site MCH IPD-Adult IPD-Child TB Clinic OPD CCC Self Test Other(eg STI)*

Unique Patient Number (UPN) 1245984295

ART History

Date patient was confirmed HIV+ 17-Dec-2020 *

Facility where confirmation done Thika Level 5 Hospital This facility

WHO Stage Adult WHO Stage2

Patient has been on ARVs (inc. PEP & PMTCT) Yes No

Purpose: List Drug Names and Dates Last Used

Purpose	Drug Name	Date Last Used
<input type="checkbox"/> PMTCT		
<input type="checkbox"/> PEP		
<input type="checkbox"/> PREP		
<input type="checkbox"/> HAART		

Baseline assessment

Labs	Results	Date	HBV infected	TB infected	Pregnant	Breastfeeding	Weight	Height	BMI
CD4 Count	cells/uL		<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	kg	cm	
HIV Viral Load	copies/ml								
HIV Viral Load(LDL)	LDL								
Regimen									

Treatment Supporter

Name	Relationship	Telephone Number	Postal Address
Otis Otis Otis	Partner	0700279526	

Enter Form Discard Changes

Step 5:

Navigate to **IL admin** and refresh **IL messages** to see if the messages have been processed successfully as **highlighted**.

IL Messages Page

Recent messages

History of IL Messages (Last 10 entries)

Date	Message Type	Source	Status	Error Status
2020-12-17 13:27:59.0	ADT^A04	KENYAEMR	Processed	Success

Patients without Appointment(34)

Print

Search:

CCC No	Patient Name	Contact	Date Enrolled	Next Appointment	Current Regimen	Status	Action
1109...	NYIKAL TEST MARY	0734561231	26-Nov-2020			Active	Detail Edit Disable
1109...	MOSE MOSE MOSE		26-Nov-2020		CF2F ABC + 3TC + RAL	Active	Detail Edit Disable
1109...	TEST NYIKAL JAMES		26-Nov-2020			Active	Detail Edit Disable
1109...	NYANYAU DHANIA MBIRINGANI	0756786545	03-Dec-2013		AF1A AZT + 3TC + NVP	Active	Detail Edit Disable
1109...	JAMES GITHURE WATHAKA		15-Oct-2020			Active	Detail Edit Disable
1109...	MUHORO MUHORO MUHORO		02-Nov-2020			Active	Detail Edit Disable
1109...	AJWANG TESTED AUMA		02-Nov-2020			Active	Detail Edit Disable
1109...	MBAYA ILE MBAYA	0789898989	18-Nov-2020			Active	Detail Edit Disable
1109...	ANN KANINI KAMAU		09-Dec-2020			Active	Detail Edit Disable
1245...	WEBADT OTIENO TEST		17-Dec-2020			Active	Detail Edit Disable

Showing 11 to 20 of 34 entries

First Previous 1 2 3 4 Next Last

Prescribing Regimen

Step 1:

Navigate to **Drug Prescription** module as highlighted on the image shown

Clinician

Drug Prescriptions

ETL Admin

Data Quality

Step 2:
Select Standard Regimen and click **Prescribe Regimen** as highlighted in image 1:

Active Orders | Standard Regimen Order | Other Drug Orders | Past Drug Orders

Current ARV Regimen: TDF/3TC/DTG

1 Prescribe regimen

Ordering regimen

Step 1:
Fill out all the blank fields

Step 2:
Click **Order regimen** as highlighted in image 2

Note: Ensure regimen is standard when sending to ADT - check that regimen code in ADT is a valid NASCOP code

Standard Regimen

Date: 13-Dec-2020

Program:ARV | Regimen Line:Adult first line | Regimen:TDF/3TC/DTG

Drug	Dose	Units
TDF	30	Tablet
3TC	30	Tablet
DTG	30	Tablet

Frequency: Once daily, in the evening Quantity: 30 Units: Tablet

Duration: 1 Units: Months

Additional instruction not covered above

Cancel **Order Regimen** **2**

Dispensing Drug

Step 1:

Once the Regimen has been ordered, the drug will appear under **Active orders** as highlighted in **image 3**

Posting Prescriptions to ADT

Step 1:

Click on **Post prescriptions to ADT** as highlighted in **image 4**.

Step 2:

Once the prescription has been posted to ADT, the system will send a prompt notification saying **successfully posted to ADT**

Note: Ensure clients are on both systems before sending prescriptions

Note: Ensure you add the regimen line on KenyaEMR before prescribing drugs to ADT

3

Active Orders Standard Regimen Order Other Drug Orders

Past Drug Orders

Active Drug Orders

Standard Regimen Orders

Dates	Instructions	Action
2020-12-13 00:00:00.0	TDF/3TC/DTG(30Tablet / 30Tablet / 30Tablet,Once daily, in the evening, for 1 Months)	Edit Dispense

Navigation

[Back to Client home](#)

Please prescribe all medication and use the button below to queue message to ADT.

4

[Post prescriptions to ADT](#)

Successfully posted to ADT

Accessing ADT

Step 1:

Access ADT by entering correct username, password and dispensing point then **Login** as highlighted in the image.

The screenshot displays the login page for the National AIDS/STD Control Programme (NASCOP) in Kenya. At the top left is the national coat of arms, followed by the text "National AIDS/STD Control Programme (NASCOP) Ministry of Health Government of Kenya". In the top right corner, there is an orange button labeled "ADT Tools". The main content area is a dark blue box titled "Login". Inside this box, there are three input fields: "Username" with the value "user", "Password" with four dots, and a dropdown menu for "Dispensing Point" currently showing "CCC Pharmacy". Below these fields is a white "Login" button with a red border. A link for "Forgot Password?" is located at the bottom left of the login box. The footer of the page contains the text "Government of Kenya © 2020. All Rights Reserved" and "Web-ADT version 4.0(beta)".

Dispensing drugs from ADT

Step 1:

Navigate to **pending Prescriptions** to access the client as shown in **image 5** then click on **Dispense** as highlighted in **image 6**

patient	order_number	order_physician	notes	timecreated	action
TEST TEST DOMNIC	135564	EVANS MWANGI MWANGI			Dispense
NYANYAU DHANIA MBIRING...	125881	MARIETA MARIETA MARIETA			Dispense
ADT TEST TEST 5	126018	MARIETA MARIETA MARIETA			Dispense

S

First Previous 1 2 Next Last

6

Update Client Information

The system will prompt you to update client information. Kindly update all the fields marked with asterisk. Then **click update Patient Info** as highlighted in **image 7**

Patient Information & Demographics

*Source of Patient
-Select-

ART | PREP | HEI | PEP | HEP

Medical Record No. *Patient Number CCC
1234567890 1234567890

*Last Name
TEST

*First Name Other Name
ADT TCGT

*Date of Birth Place of Birth
1993-08-15 -Select-

*Gender
Male

Start Age(Years) Current Age(Years)
27 27

Start Weight (KG) Current Weight (KG)
64.0 64.0

Start Height (CM) Current Height (CM)
158.0 158.0

Start Body Surface Area Current Body Surface Area (MSQ)

Start Body Mass Index Current Body Mass Index (BMI)

Patient's Phone Contact(s) Receive SMS Reminders
e.g 0722123456 Yes No

Patient's Physical Contact(s)

Patient's Alternate Contact(s)

Does Patient belong to any support group?
Yes No

List Them

Patient History

*Partner Status
Unknown

Disclosure
Yes No

Family Planning Method
Select options

Does Patient have other Chronic Illnesses
Select options

If Other Illnesses
Click Here

List Them Below (Use Commas to separate)

List Other Drugs Patient is Taking
Yes No

List Them

Drugs Allergies/ADR
Select options

Does Patient have any other Drugs Allergies/ADR not listed?
Yes No

List Them

Does Patient Smoke? Does Patient Drink Alcohol?
No No

Has Patient been tested for TB? Does Patient Have TB?
No No

Date of Next Appointment Days to Next Appointment
NaN

Date of Next Clinical Appointment Days to Next Clinical Appointment
NaN

Patient Information

*Date Patient Enrolled
2020-12-13

*Current Status
Active

Date of Status Change

*Type of Service
ART

*Start Regimen
AF2E | AF2E | TDF + 3TC + DTG

Start Regimen Date
2020-12-13

Current Regimen
AF2E | AF2E | TDF + 3TC + DTG

WHO Stage
stage 1

Drug Prophylaxis
Select options

Ritapentine/Isoniazid Start Date Ritapentine/Isoniazid End Date

7 **Update Patient Info**

Dispensing Details

The system will then take you to the page shown prompting the user to fill in dispensing details. Fill all the required fields and click on **Dispense Drugs** as highlighted in **image 8**

Patient Listing > ADT TEST TEST > Dispensing details Currency: 1001 USD/GBP/€

Dispensing Information

Select dispensing point
CCC Pharmacy

Patient Number CCC
12345678910

Dispensing Date
2020-12-13

Current Weight(kg)
155.0

Date to Next Appointment
14

Differentialiated case?

Patients Scheduled on Date: 0 Patients with appointments

Last Regimen Dispensed
N/A

Appointed Adherence (%)
-

Previous Patient Information

Appointment Date
-

Previous Visit Date
-

Previously Dispensed Drugs

Drug Dispensed	Qty Dispensed

27 Years

Patient Name
ADT TEST TEST

Purpose of Visit
start ART

Current Weight(kg)
64

Date of Next Appointment
2020-12-27

Current Regimen
APZE / APZE / TDF + DTG + DTG

18 ADH form

Post-Ad Adherence Reason
-Select One-

Drug Details

Drug	Unit	Batch No.	Expiry Date	Dose	Expected Pill Count	Actual Pill Count	Duration	Qty. disp	Stock on Hand	Indication	Comment	Missed Pills	Action
TDF/FTC/DTG 300/300/03 MG/ FDC TABLETS	Tablet	12345678	2021-07-31	100	30	30	30	30	1500	None		0	Add / Remove

Reset Fields Print Labels **Dispense Drugs**

After Dispensing drugs,

The system will give a prompt alert showing that the **dispensing to the client has been successfully completed** as highlighted in **image 9**

Dispensing to patient No. 1234578934 successfully completed! **9**

Filter Patients Based on Status: Active ▾

Show 10 ▾ entries

CCC No	Patient Name	Next Appointment	Contact
19224	MUTILE KILONZI SARAPHINA		0732809098
1063900436	TEST TEST JIM	Nov 30th, 2020	
1109400003	TUESDAY TEST JOSEPH	Dec 18th, 2020	
1109400009	PALLADIUM GROUP TEST		0733767676
1109400014	TEST TEST NANA	Dec 24th, 2020	0733456890
1109400056	TEST ONE JONTE	Nov 30th, 2020	0734561231
1109400123	MISENYA TEST LUCY	Nov 30th, 2020	0734567123
1109400133	LENA LENA LENA		
1109400144	TEST MUCHIRI JOHN	Dec 25th, 2020	
1109400151	NADIA TEST BEYONCE	Jan 4th, 2021	
CCC No	Patient Name	Next Appointment	Contact

Showing 1 to 10 of 47 entries

Navigate back to KenyaEMR and refresh IL Admin

Step 1:

You should be able to see that message from ADT has been **processed successfully** as highlighted in the image

Step 1:

Navigate to the drug order module and you should be able to find that there are no active orders as highlighted in **image 10**

History of IL Messages (Last 10 entries)

Date	Message Type	Source	Status	Error Status
2020-12-13 19:40:35.0	SIU^S12	ADT	Processed	Message in wrong format
2020-12-13 19:27:20.0	SIU^S12	ADT	Processed	Message in wrong format
2020-12-13 19:22:25.0	ADT^A08	ADT	Processed	Success
2020-12-13 19:04:19.0	RDE^001	KENYAEMR	Processed	Success
2020-12-13 18:39:59.0	ADT^A04	KENYAEMR	Processed	Success

Active Orders | **Standard Regimen Order**

Active Drug Orders

Standard Regimen Orders

None **10**

Other Drug Orders

None

When you navigate to past Drug Orders

You should be able to see the Drug you have dispensed from ADT as highlighted in **image 11**

The screenshot shows a navigation bar with four tabs: 'Active Orders', 'Standard Regimen Order', 'Other Drug Orders', and 'Past Drug Orders'. The 'Past Drug Orders' tab is highlighted with a red box. Below the tabs, the text '11' is displayed in red. Underneath, there is a section titled 'Past Drug Orders' which contains a table with two columns: 'Dates' and 'Instructions'.

Dates	Instructions
2020-12-13 00:00:00.0 - 2020-12-13 19:59:05.0	TDF/3TC/DTG(30Tablet / 30Tablet / 30Tablet,Once daily, in the evening, for 1 Months)

The End