

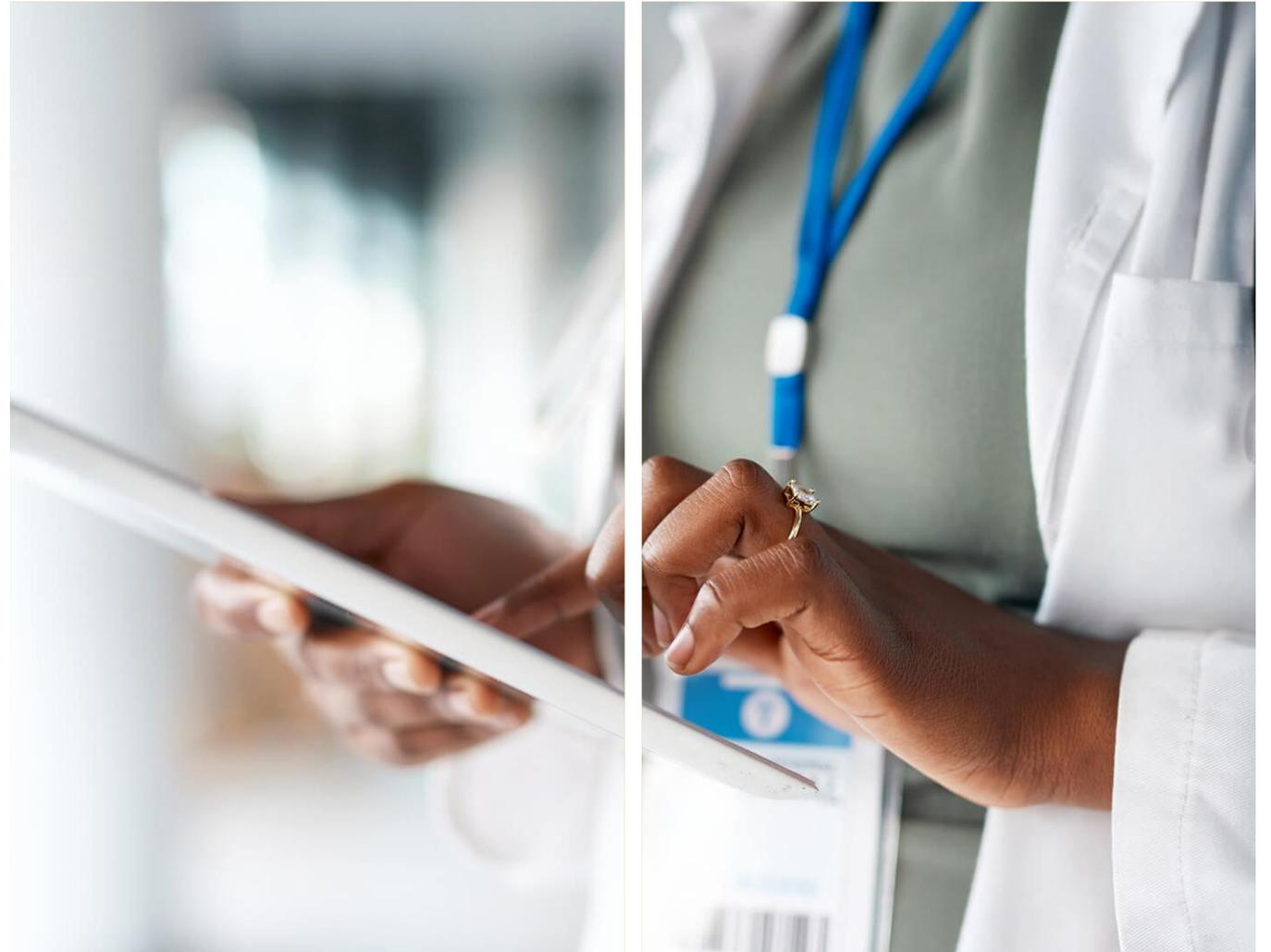
# SMART CAREPRO-ELMIS INTEGRATION JOB AID



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## INTRODUCTION

Health Information Exchange (HIE) is a critical component for fostering data exchange and transparency within the Ministry of Health (MoH). Electronic Logistics Management Information System (eLMIS) is one lane of the Health Information System (HIS) that has recently been integrated into Smart Carepro to facilitate information exchange between healthcare facilities. While clinicians use Smart CarePro for managing patient prescriptions, pharmacies rely on eLMIS for medication dispensing. Integration of the two systems fosters seamless electronic data exchange.



## OBJECTIVES

To understand how the eLMIS system is integrated with the Smart CarePro system.



## PERSONA

Ben Choolwe, a pharmacist at Bauleni Mini Hospital, is attending to a patient who has come for a follow-up appointment in ART (antiretroviral therapy). Ben will proceed with the prescription using Smart CarePro, following the outlined steps.



# STEP I-CLIENT SEARCH

Ben will start by searching for the client using one of the following methods: Biometrics, NRC, NUPIN, Cell phone, or Full Name. In this instance, Ben searched for the client using their Full Name, as shown in the picture. He will then click on the "Attend to Patient" icon, highlighted in green

### Search or Add New Patient

Biometrics NRC NUPN Cellphone **Full Name**

Please enter at least a first name or surname and select the gender to search

testtwo Surname DOB Male

Search

Total Records : 1

Date of Birth	Sex	Cellphone	NUPN	NRC
15-Oct-1971 (52Y)	Male	+260 971122355	5006-0334C-00034-7	11111/11/1

**TestTwo Client**

Address  
H#34E, R#Mosi Road, ...

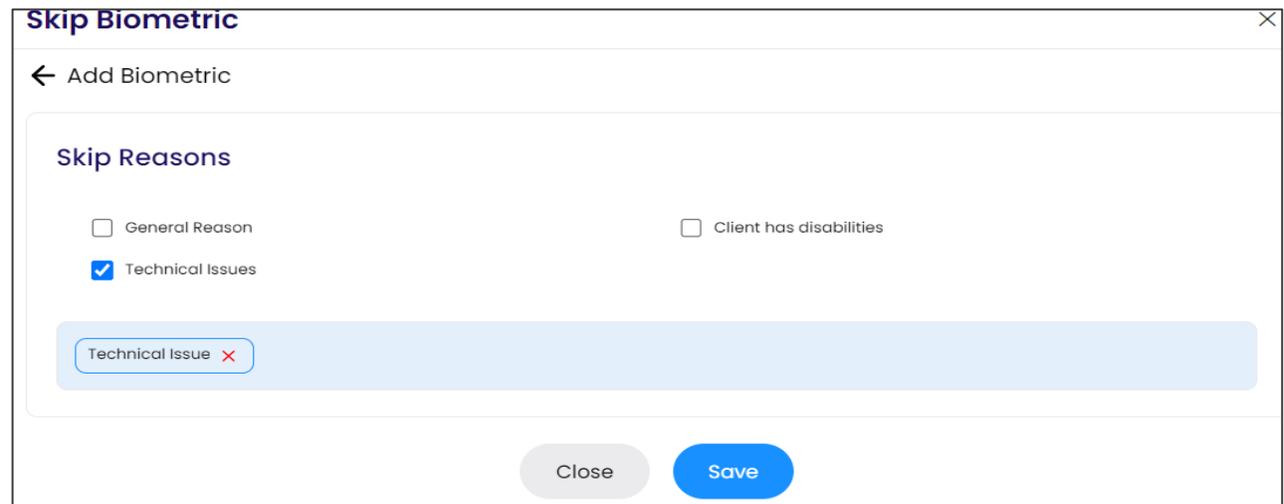
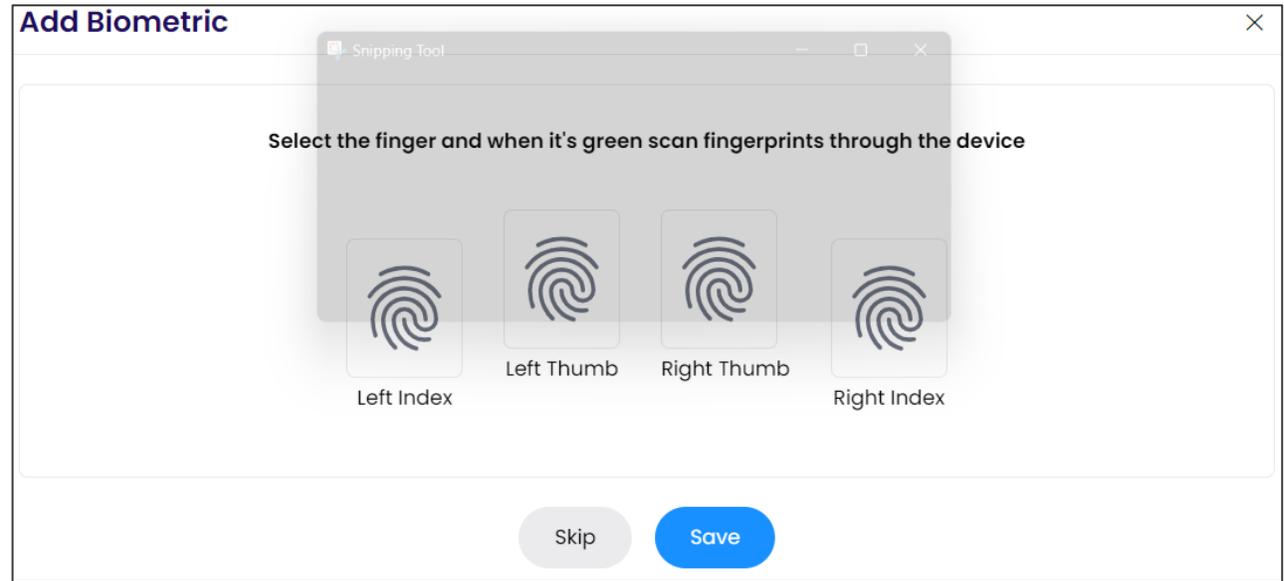
Edit Profile Admission Assign Queue Historical visit **Attend to Patient**

Didn't find the client you were looking for?

Add New Patient

# NOTE: BIOMETRICS

The system will request Ben for the client's biometrics if the client's fingerprints are not updated in the system



# STEP 2- PHARMACY

Ben will proceed to attend to the client by clicking on the pharmacy icon as highlighted on the picture.

**TestTwo Client**

<b>Date of Birth</b> 📅 15-Oct-1971 (52Y)	<b>Sex</b> 👤 Male	<b>Cellphone</b> ☎ +260 971122355	<b>NUPN</b> 📄 5006-0334C-00034-7	<b>NRC</b> 📄 11011/11/1
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**Address**  
📍 H#34E, R#Mosi Road, ...

**Select Service for the Patient**

 Me (OPD)	 Vital	 HTS	 PEP	 PrEP	 TB Service	 Pain Scaling	 VMMC Service
 Investigation	 Surgery	 Referrals	 Covax	 Covid	 Birth Records	 Death Record	 Pharmacy
 ART Adult	 Family Plan						

# STEP 3- PRESCRIPTION

To prescribe, Ben will click on the, 'Add prescription' icon

**TestTwo Client**      Date of Birth: 15-Oct-1971 (52Y)      Sex: Male      Cellphone: +260 971122355      NUPN: 5006-0334C-00034-7      NRC: 111111/11/1      ART Number: 1122334455      [Actions](#)

### History of Pharmacy Prescription

[+ Add Prescription](#)| Prescription Date | Facility | Clinician | Drug Name | Is Passer By | Frequency |
| --- | --- | --- | --- | --- | --- |
| 08-Jul-2024 | Chongwe District Hospital | Humphrey Mupemba |  |  |  |
| 03-Jul-2024 | AeroMed Kenneth Kaunda Clinic | Richard Serenje |  |  |  |
| 26-Jun-2024 | Chongwe District Hospital | Humphrey Mupemba |  |  |  |
| 26-Jun-2024 | Chongwe District Hospital | Humphrey Mupemba |  |  |  |
| 16-May-2024 | UTH Children's Hospital | UTH Childrens Hospital Admin |  |  |  |

Show 5 [←](#) [<](#) [1](#) [2](#) [3](#) [>](#) [→](#)

### Recent Data Summary

- Vitals** [Preview](#)  
Weight(kg) : 67  
Height(cm) : 170  
BMI : 23.18
- HTS Status** [Preview](#)  
Test Date : 25-Oct-2023  
Test Result : Positive (Patient's ART record indicates HIV positivity)  
HIV Type :
- Diagnosis** [Preview](#)  
NTG :  
ICD 11 : Intestinal obstruction of newborn, unspecified
- Treatment Plan** [Preview](#)

# PRESCRIPTION

Ben will then proceed to select the appropriate drugs accordingly. In this case, the client came for an ART appointment and hence, ben will click on the, 'ARVs & ATT drugs.

### Pharmacy Prescription

Search & Add Medication Medication Cart

Clinical Guidance ▼

General Drugs **ARVs & ATT drugs** Custom drugs

Drug Type ▼ Drug Regimen ▼ Drugs ▼

Special Drug \* Dosage \* Item Per Dose \*

Frequency \* Time Per (Time Unit) \* Frequency Unit (If not Time unit) \*

Duration \* Duration Unit \* Route \*

Start Date \* End Date \* Quantity

# PRESCRIPTION

Ben will now proceed to enter the prescription details in all the required fields. After which Ben will add the prescription to the cart, by clicking on the 'Add to Cart' icon.

After Ben adds to cart, a pop-up summary of the prescription will appear as can be seen on the picture. Ben will then click on, 'save'.

### Pharmacy Prescription

Drug Type ARVs	Drug Regimen Adult First Line	Drugs TDF+3TC+DTG (300 + 300 + 50)
Special Drug *	Dosage * Enter Dosage	Item Per Dose * Enter Item Per Dose
Frequency *	Time Per (Time Unit) * --Select--	Frequency Unit (If not Time unit) * --Select--
Duration * Enter Duration	Duration Unit --Select--	Route * --Select--
Start Date * 08-07-2024	End Date * dd-mm-yyyy	Quantity Enter Quantity
Is Passer By No		
Comments Enter Comments	<a href="#">+ Add to Cart</a>	

Dosage : 300 + 300 + 50  
Item Per Dosage : 1  
Duration : 14  
Start Date : 8-Jul-2024  
Comment :

[Close](#) [Save](#)

# STEP 5-ELMIS

On the prescriptions page, Ben can check if the prescription has integrated or synced with eLMIS, indicated by a "yes" or "no."

Note: Pharmacy personnel will then proceed to dispense the ART drugs in eLMIS. A successful interaction will post a dispensed record in Smart CarePro, under the dispensations section.

The screenshot displays the SmartCare PRO interface for a patient named TestTwo Client. The patient's information includes Date of Birth (15-Oct-1971), Sex (Male), Cellphone (+260 971122355), NUPN (5006-0334C-00034-7), NRC (111111/11/1), and ART Number (1122334455). The main section shows the 'History of Pharmacy Prescription' table, which is highlighted with a red circle around the 'ELMIS Synced' column. The table contains five rows of prescription data, with the last row showing 'Yes' in the 'ELMIS Synced' column. The right sidebar provides a 'Recent Data Summary' with sections for Vitals, HTS Status, Diagnosis, and Treatment Plan.

Is Passer By	Frequency	Qty	Duration	Route	Comment	ELMIS Synced	Actions
						No	Dispense Add Another Drug
						No	Dispense
						No	Dispense
						No	Dispense
						Yes	Dispense



## CONCLUSION.

In this job aid module, Ben has guided us through the process of searching for a client, making a prescription, and integrating with eLMIS using Smart CarePro, thereby facilitating seamless electronic data exchange.