

Digitalized patient level data collection tools for HIV Prevention in Zambia : Cabotegravir Long-acting (CAB-LA) Injectable PrEP DHIS2 Tracker

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Presentation Outline

- 1) Overview of Zambia's Vision on Data Collection System for HTS, Prevention and Treatment
- 2) Existing Data Collection Systems Prior to the Development of Data System for CABLA
- 3) Key Indicators Being Tracked
- 4) Way Forward – Planned Activities

Overview of Zambia's Vision on Data Collection System for HTS, Prevention and Treatment-1

- 1) Implement an electronic system to capture patient-level information from HIV testing to prevention or treatment
- 2) Recognize the important role of prevention services in epidemic control, emphasizing the need for accurate data to measure HIV prevention
- 3) Establish a true cascade from HTS to prevention services and from HTS to treatment
- 4) NB-Electronic patient-level information from HTS to prevention and treatment can easily track the prevention and treatment indicators

Overview of Zambia's Vision on Data Collection System for HTS, Prevention and Treatment-2

5) Address the following questions:

- a) How many clients who tested HIV negative were assessed for high HIV risk?
- b) Of those assessed for high HIV risk, how many were determined to be at high risk for HIV?
- c) Of clients at high risk for HIV, how many were linked to preventative services?
- d) What preventative services were offered to individuals at high HIV risk?
- e) What is the continuation rate of clients receiving preventative services?
- f) How many clients seroconverted while receiving preventative services?
- g) How many HIV-positive clients were linked to treatment?

Data Collection Systems Prior to the Development of the CABLA Data System

HIV Testing Services:

- Predominantly paper-based
- Only aggregate data available at the above-site level
- HTS data at the facility level was not linked with prevention or treatment services

Prevention Services:

- Paper-based system
- Only aggregate data available at the above-site level

ART Services:

- Mainly collected through an electronic system
- Both national and above-site patient-level data were available in an electronic system

DHIS2 Tracker for CAB-LA-1

DHIS2 Tracker Overview:

- DHIS2 Tracker is a web-based application within the DHIS2 platform
- It currently hosts patient-level information for [CABLA](#), [Cholera](#), [HPV](#), and [COVID-19 vaccinations](#)
- There are plans to include MCH (Maternal and Child Health) services in the tracker

Data Collection Capabilities:


- Collects individual-level transactional data, including:
 - Medical records for individual patients
 - Confirmed and suspected cases during a disease outbreak
 - Logistical information on specific commodities


DHIS2 Tracker for CAB-LA-2

CABLA Data Management:

- Health care workers fill in CABLA eligibility, initiation, and continuation forms
- Data entry clerks upload paper-based information to the DHIS2 tracker
- Data entry clerks enter or update forms in the DHIS2 tracker
- Collects longitudinal patient-level information for clients on CABLA



DHIS2 platform

 DHIS 2
Ministry Of health Tracker
Events





Sign in


Login using two factor authentication

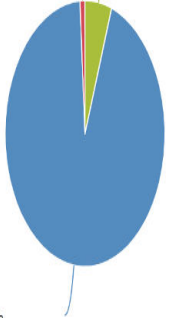
DHIS 2 - Dashboard Online  

CAB-LA Cumulative Kabwe HPV 2023




CAB-LA 

CAB-LA Eligibility Chart 
CAB-LA Eligibility
2024 - Zambia Ministry of Health

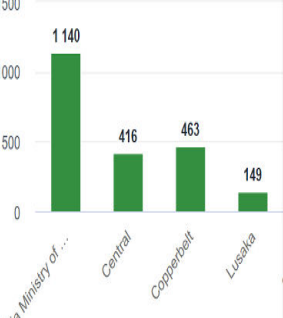


Category	Count	Percentage
Yes	1140	93.6%
No	66	5.4%
N/A	12	1.0%


Cumulative Number of Clients Receiving CABLA 
Clients Receiving CAB-LA
Zambia Ministry of Health, Central, Copperbelt, Eastern, Luapula, Lusaka, Muchinga, Northern, Northwestern, Southern, Western - 2024

1 140







Cumulative Number of Clients Receiving by Province
2024



Province	Cumulative Number of Clients Receiving CAB-LA
Zambia Ministry of Health	1140
Central	416
Copperbelt	463
Lusaka	149

CABLA by age and site 
Facility levels in Zambia Ministry of Health

750

Event Reports  
Dashboard  
Data Visualizer  
Reports

DHIS2 platform

DHIS 2 Event Reports

Table style
Pivot table

Output type
Event

Data

Program
Select program
CAB-LA
Cholera Vaccination Registry
DS-TB Pediatric Short Regimen
HPV Vaccination Registry
Morbidity and Mortality
Morbidity and Mortality Tracker
QOC Assessment - events

Stage
Select stage
All

Selected data items

DHIS 2 Event Reports

Table style
Pivot table

Output type
Event

Data

Program
CAB-LA

Stage
Select stage
1-ELIGIBILITY SCREENING
2-Follow Up
3-Discontinuation
4-Post Discontinuation

Selected data items

Periods

Organisation units

Facility Location

What is new?

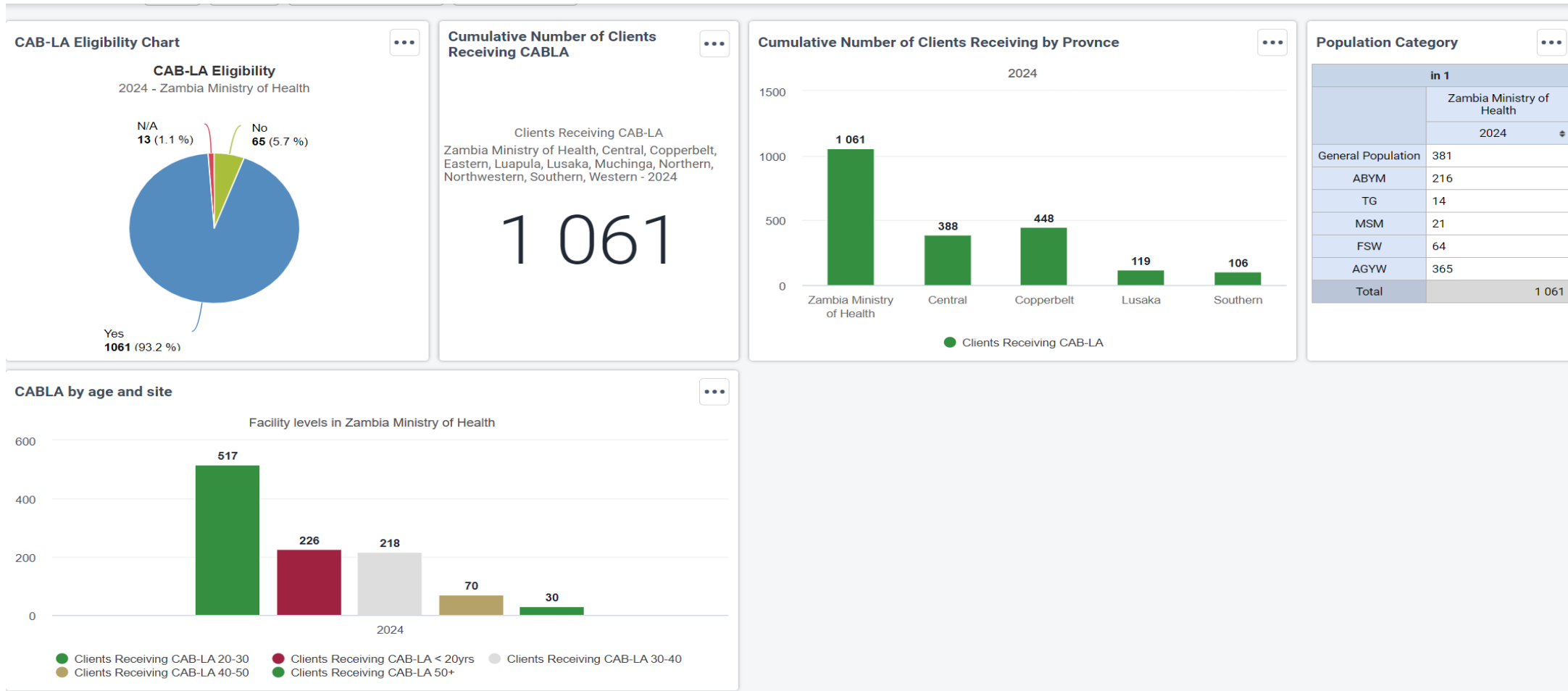
Data collection system for Cabotegravir Long-acting (CAB-LA) Injectable PrEP

- Currently being Implemented in 9 sites across 10 provinces, with 4 of those sites located in high-volume areas
- Data entry approach; E-last
- DHIS2 Tracker has a Dashboard Reporting on:
 - Total on CAB-LA
 - Population type (AGYW, ABYM, MSM, FSW, TG)
 - Age groups (<20 yrs, 20-29, 30-39, 40-49 & 50+) and sex (male & female)

Indicators have been addressed:

- Type of other HIV prevention services offered to PrEP clients
- PrEP Continuation rate
- Number of clients who seroconvert while on PrEP?
- Number of priority populations enrolled on CAB-LA (AGYW Vs ABYM)
- Number of KP enrolled on CAB-LA
- KP type enrolled on CAB-LA

Dashboard of DHIS2 Tracker for Injectable PrEP



Way forward – Linkage from HTS to Prevention

Ongoing Activities:

- Digitizing HTS data- developed form for patient level electronic system
- Digitizing HIVST distribution data to link to HIV testing services
- Capacity building, Mentorship and Technical support supervision in the use of SmartCare and DHIS2

HTS CLIENT REGISTRATION FORM Date / /

Province District Facility Care Card Number Serial No. Check Digit

HTS Number

CLIENT DETAILS

Last Name First Names Sex F M Age

Marital Status: Married Divorce Single Widowed Separated N/A

Physical Address

Phone No.

Eligible to test based on Screening Tool Yes No

PRIOR HIV TEST STATUS

Tested Before Yes No

Date Test done / /

Test Result **P | N | I | U | N | A** Repeat Re-Test

POST-TEST COUNSELLING SERVICES

Client Informed of the Result Yes No

Assessed for HIV high risk Yes No

Is a high HIV risk Yes No

Negative: Referred for HIV Prevention Services Yes No

Positive: Referred for ART Yes No

ART Number

PRE-TEST COUNSELLING AND HIV TESTING

Type of HIV Testing Offered (modalities) CICT PICT SNT KYCS INDEX

Entry Point STI TB OPD VMMC ANC Community U5 Other

Confirming HIV Self-Test result Yes No

Was HIV Self-Test result Reactive Yes No NA

Final Test Result **P | N | I | U | N | A**

HIV RECENCY TESTING SERVICES

Client Eligible for Recency Testing Yes No

Recency Sample Collected Yes No

PARTNER HIV COUNSELLING AND TESTING

Came as a couple Yes No

Partner tested Yes No

Partner's HIV Status **P | N | I | U | N | A**

Discordant Couple Yes No Unknown

KnP Partner on treatment Yes No

ART Number

Partner Status:

Negative Partner: Assessed for HIV high risk Yes No

is a high HIV risk Yes No

Referred for HIV Prevention Services Yes No

Positive Partner: Referred for ART Yes No

INDEX TESTING

Services Provided Yes No

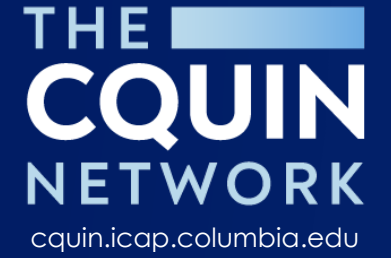
Remarks

HTS CLIENT FORM - ver120424 Page 1/1

Name of Certified Tester

Acknowledgement

- Global fund
- PEPFAR
- MOSAIC



Thank You!

