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Integrating Quality Management for HIV DSD

Kenya Case Study

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Outline

- Overview of Kenya HIV Epidemic: Progress to 95-95-95
- Policy guidance for Kenya HIV & DSD Quality Management
- Integrated Service Quality Assessment (SQA) Process in Kenya
- 2023 AHD Service Quality Assessment
- Lessons Learnt and Next Steps

Kenya Progress Towards the 95:95:95 Targets June 2024

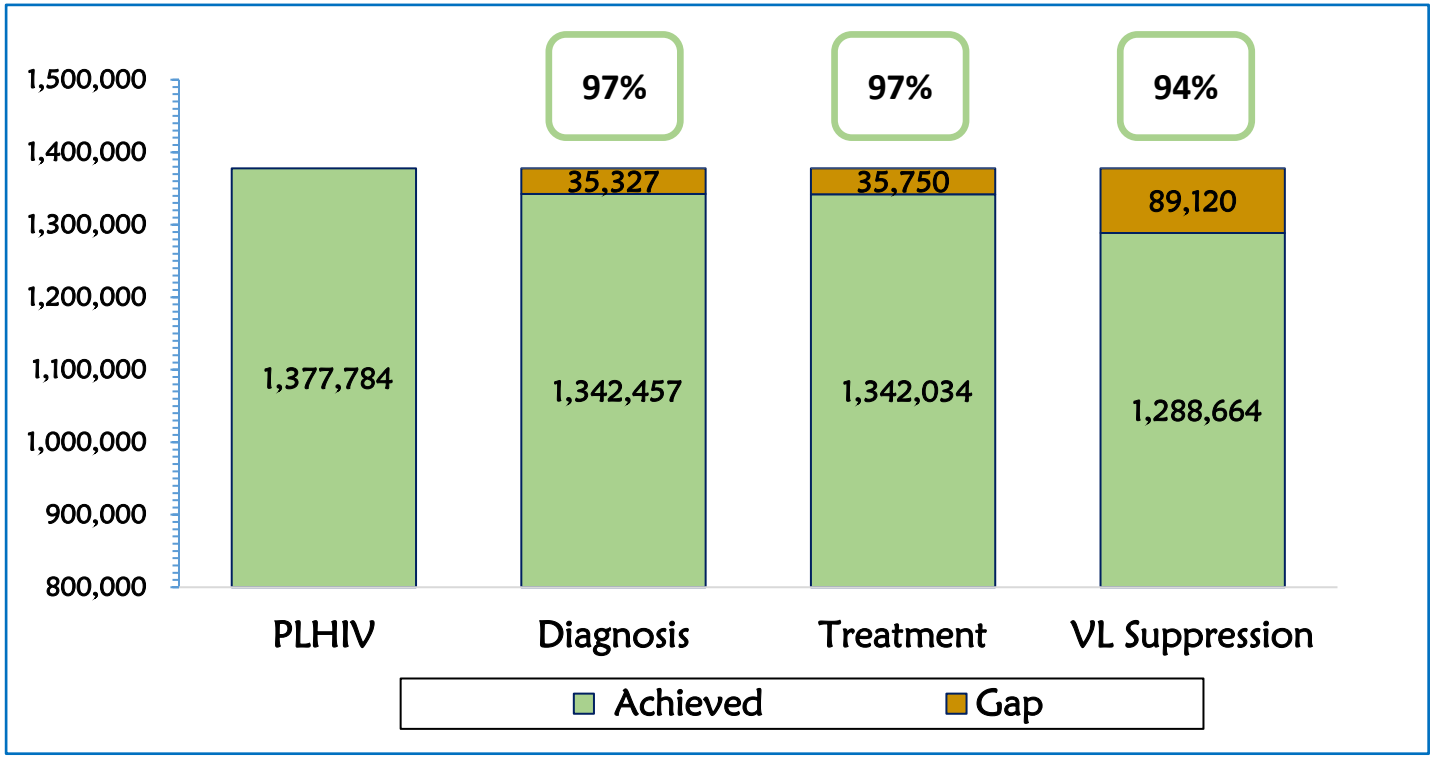
Source: Kenya HIV Estimates

1,377,784
Kenyans Living with HIV

3.7 %
Prevalence

22,154
New Infections

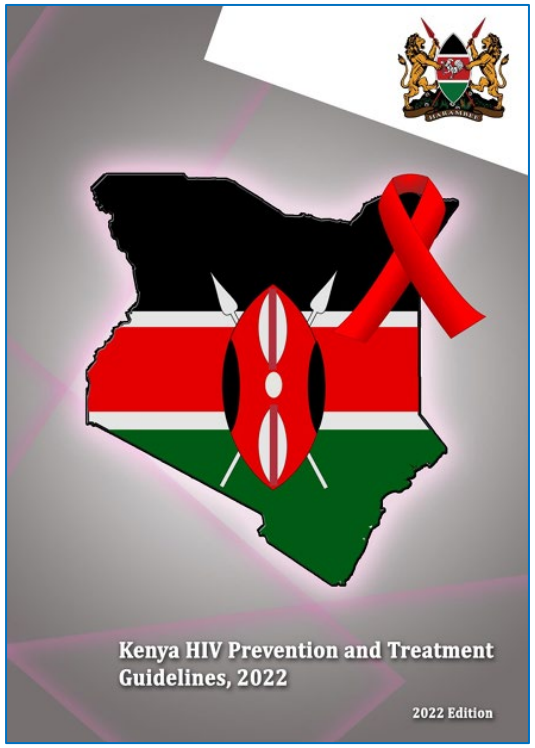
18,473
AIDS Related Deaths

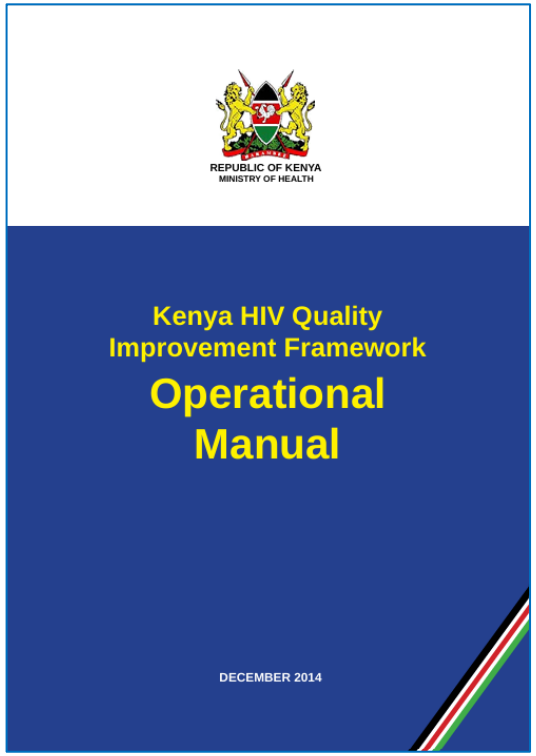


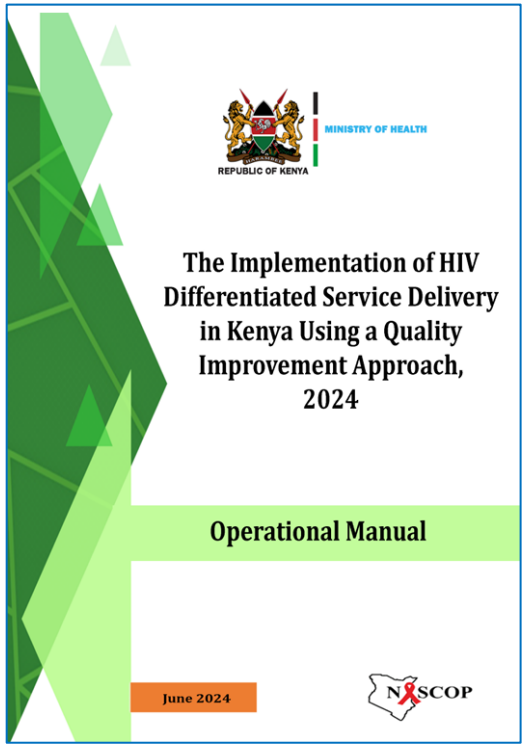
Source: Kenya HIV Estimates 2023, KHIS June 2024

Focus on improving ART coverage amongst Children (ART Coverage: 72%) & Men (ART Coverage: 89%)

Kenya Policy and Guidance HIV Program Quality Management





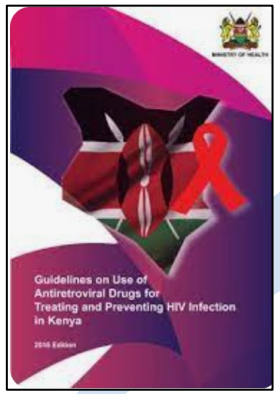


Defines the 'standard' package for HIV services including DSD

Outlines the overall management of quality in HIV

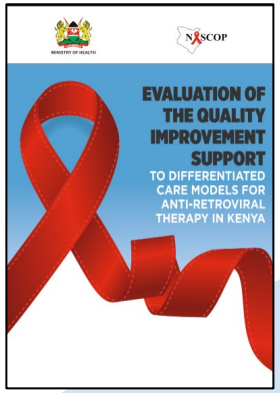
Defines steps to quality HIV DSD implementation

Quality Management for HIV DSD Services in Kenya



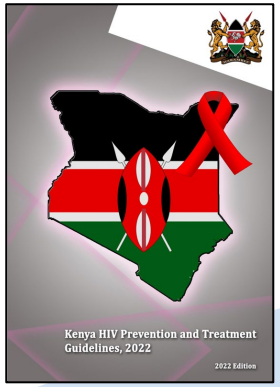
2016

DSD included in HIV national guidelines



2019

Kenya Conducts Evaluation of the Quality Improvement Support in DSD



2022

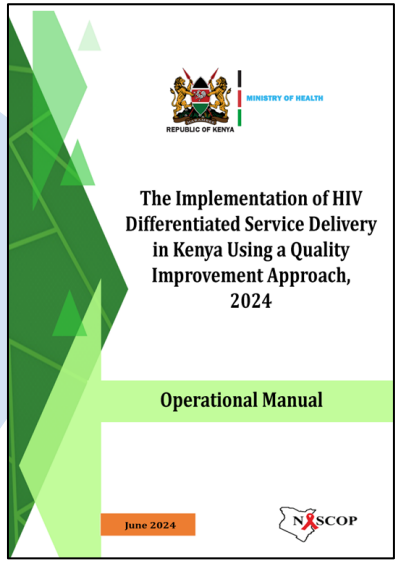
Revised HIV Guidelines: Expanding Criteria for DSD in all Populations

2023

Integrated Data and Service Quality Assessments including DSD Services

2023

AHD Quality Assessment in 13 Counties



Annual Integrated SQA Conducted in Nov 2024 At Report Writing Stage

Findings from AHD Service Quality Assessment & TA - 2023

Kenya Adopted the Assessment Tool from the CQUIN Draft Quality Standards

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The CQUIN Project for Differentiated Service Delivery

Quality Standards Framework for Advanced HIV Disease Service Delivery

1 Introduction

Given the increased need to focus on the recipients of care at substantial risk of advanced HIV disease (AHD), the *CQUIN Quality Standards Framework for Advanced HIV Disease Service Delivery* is recommended for use at all service delivery points where AHD can be identified and managed as per the guidance for each standard. As a best practice, all health facilities and community service delivery models providing HIV testing services (HTS) and antiretroviral therapy (ART) should be able to, at a minimum, endeavour to identify people with AHD and link them to appropriate AHD service delivery. In addition, a robust and well understood network of AHD service delivery points consisting of hubs and spokes (see 1.1 below) is needed at scale to realize the benefits of a significant reduction in morbidity and mortality associated with AHD. These *CQUIN Quality Standards Framework for Advanced HIV Disease Service Delivery* also lay out key quality standards at the national level in establishing the AHD hub and spoke model of care. Lastly, the training and mentorship, supply chain management system, advocacy communication and social mobilization, monitoring and evaluation quality standards address key AHD system quality standards needed to support provision of quality AHD service delivery at scale.

Domains Assessed

- AHD Screening
- TB Screening Dx & Rx
- CM Screening, DX & Rx
- Lab Systems for AHD
- AHD Commodity Security
- Facility M&E Systems
- Capacity of HRH
- Demand Creation

- 13 Counties, 60 Health Facilities
- Mix of facilities : County, Sub-County, faith based hospitals
- Multi-stakeholder teams: national, regional, County, IPs, PEPFAR
- Funded by PEPFAR

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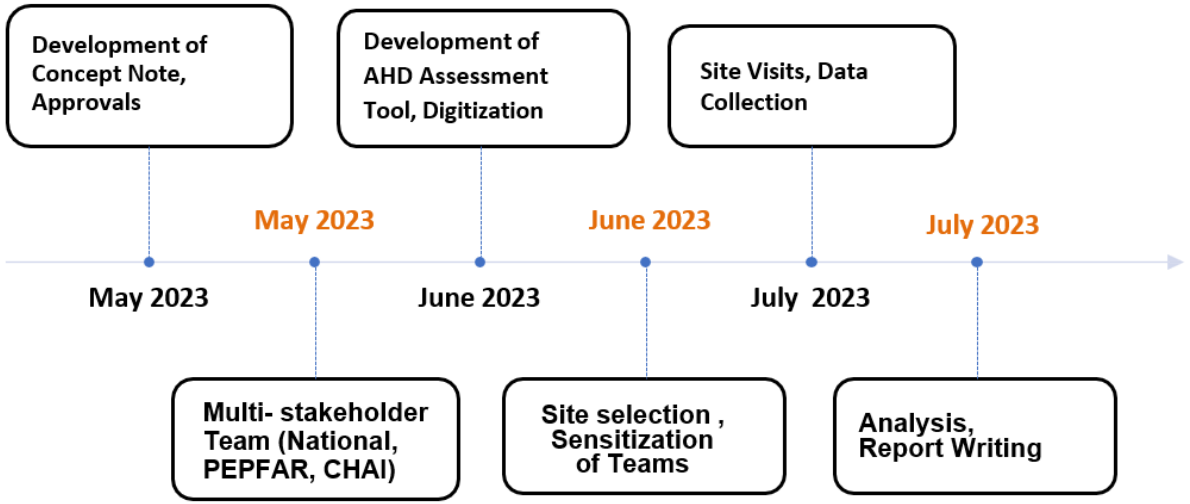
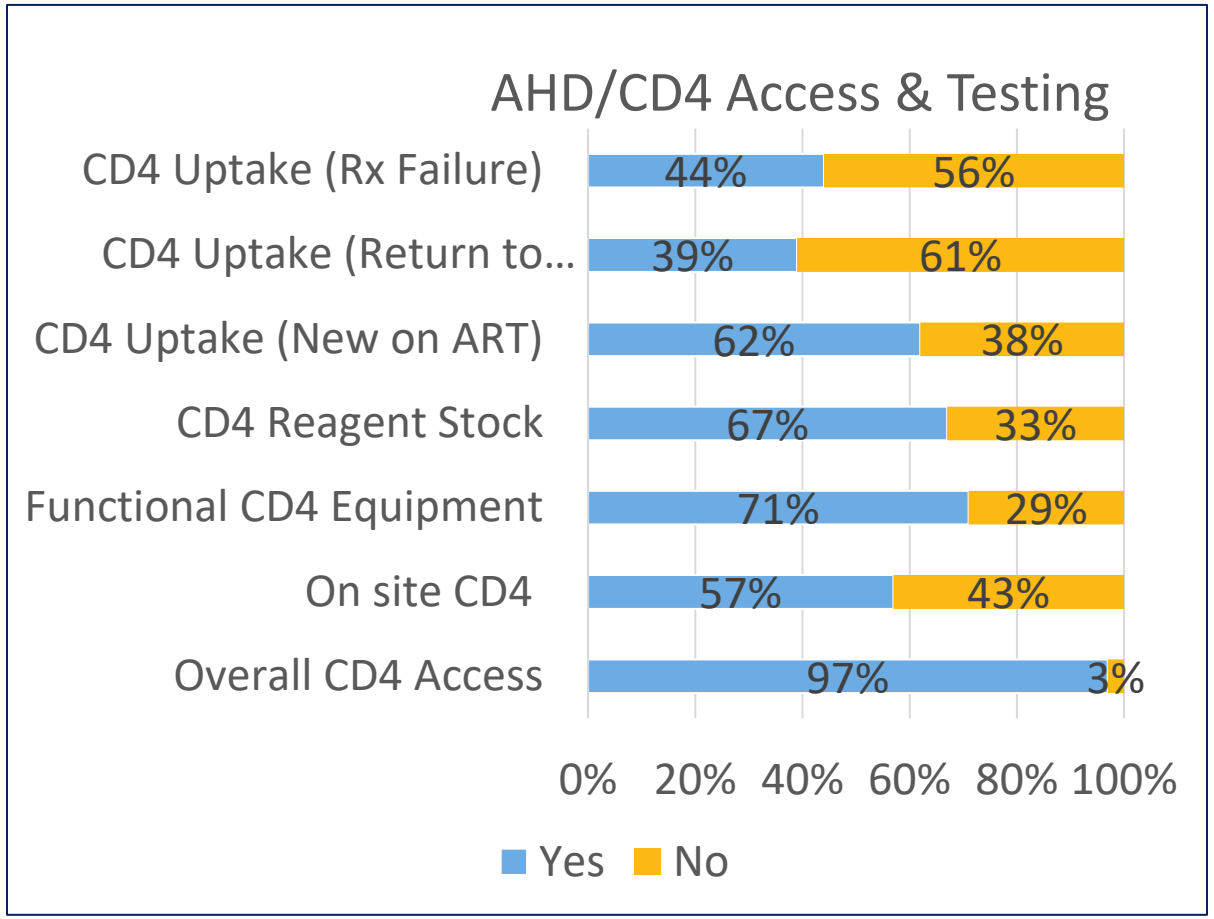
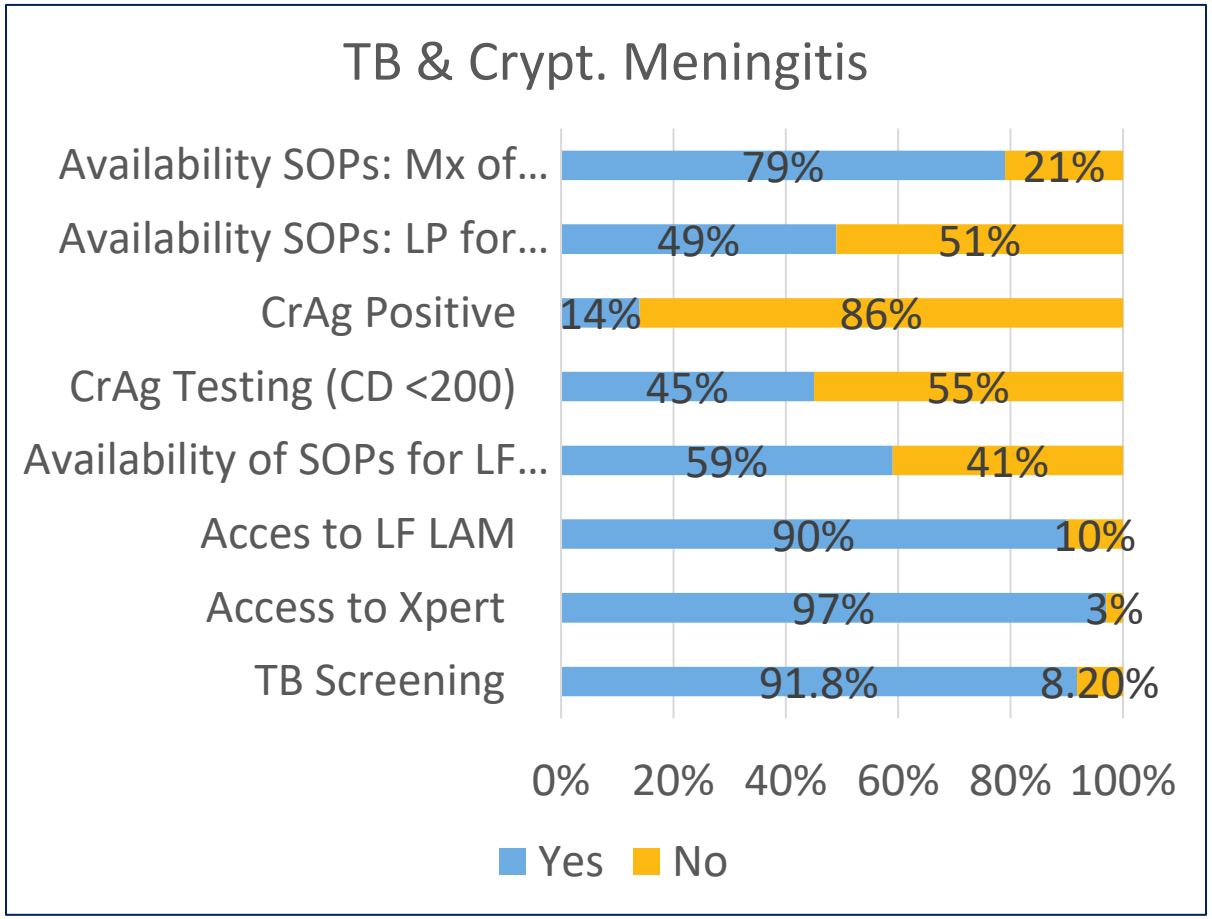
AHD Quality Assessment Process Kenya



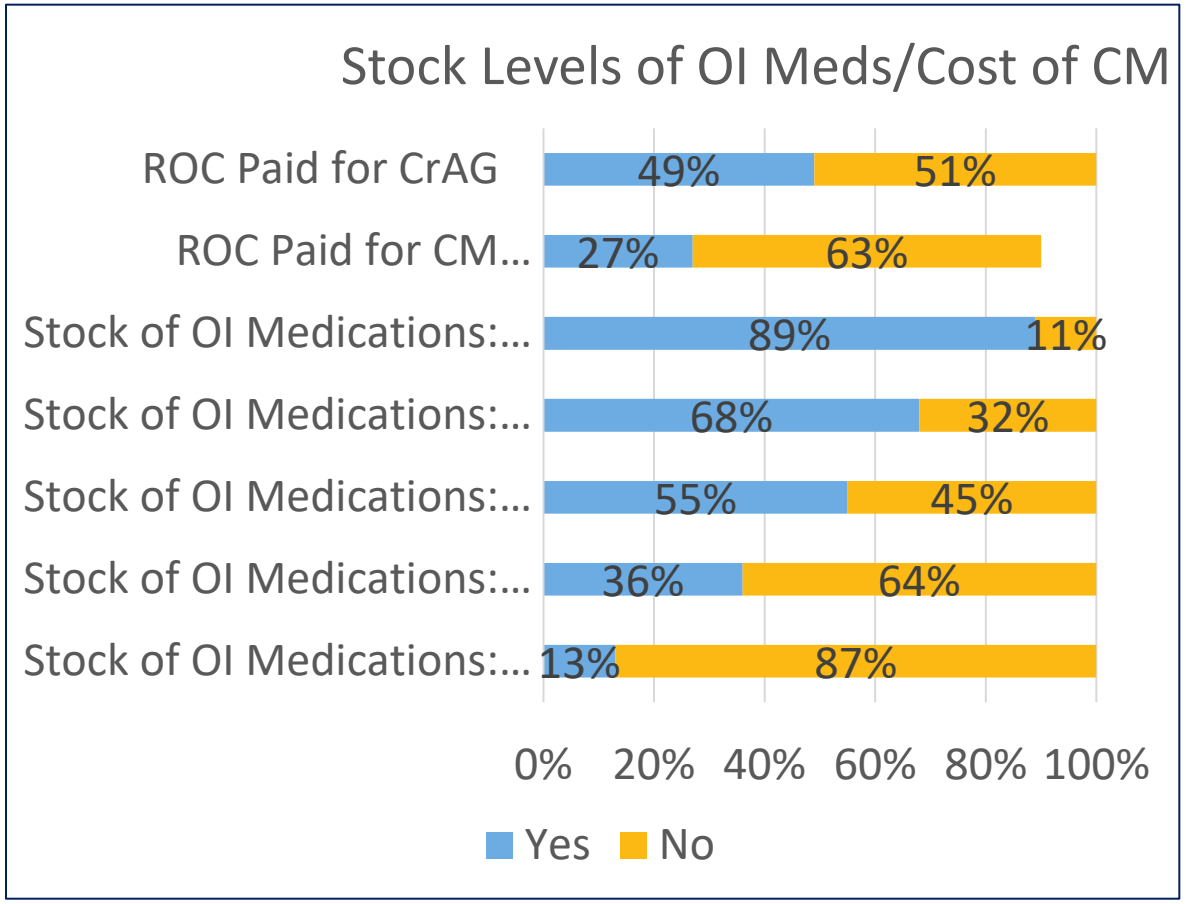
- Tool developed and digitized into ODK
- Facility data abstraction and record reviews: HIV clinic, lab, in-patient, pharmacy health facilities
- Onsite feedback, CME
- Action planning towards addressing gaps
- Data analysis and dissemination of findings

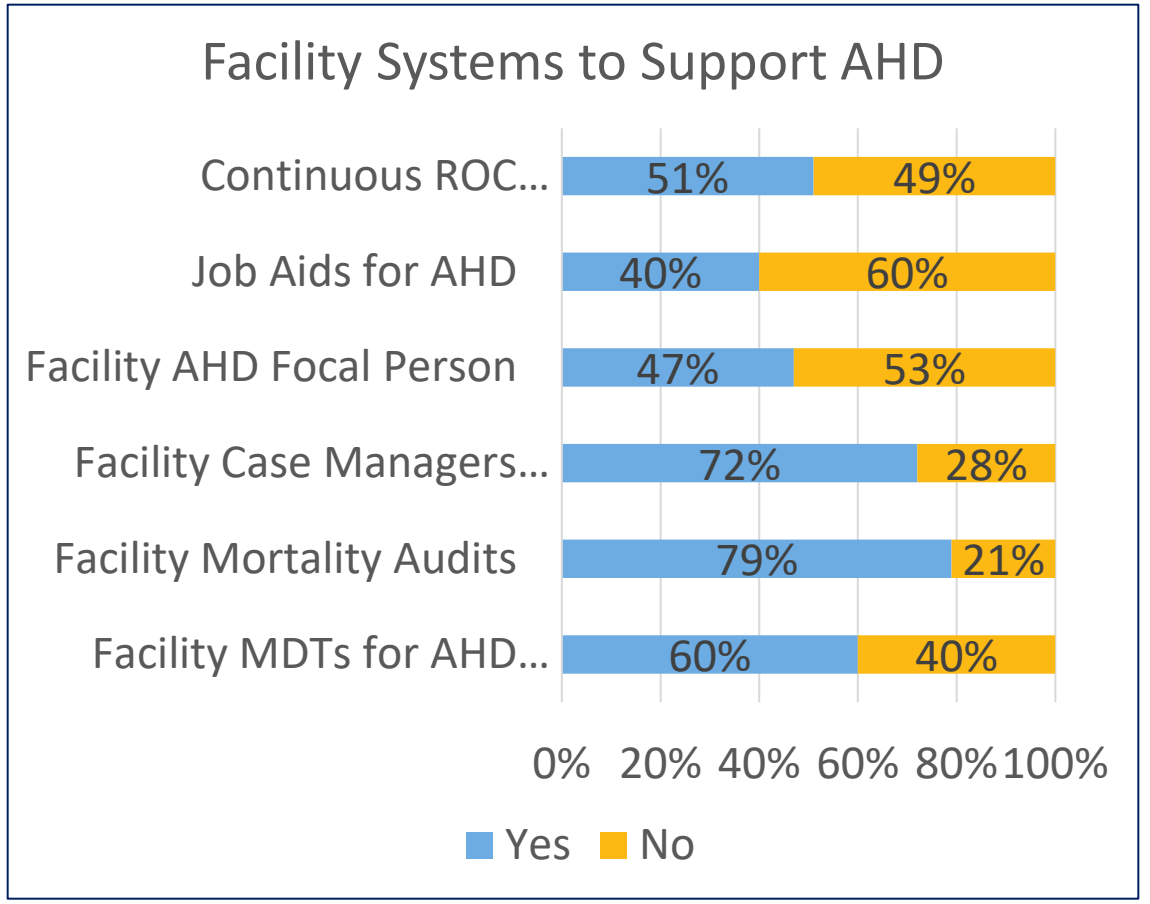
Results AHD Service Quality Assessment
July 2023 (13 Counties, 60 Health Facilities)





Results AHD Service Quality Assessment - 2
July 2023 : 13 Counties, 60 Health Facilities





Status Update on Action Plans from AHD Quality Assessment - as at Nov 2024

CD4

1. Mapping the current CD4 equipment with an aim of optimizing testing **(Completed)**
2. End to end visibility of the available reagents from the manufacturer level to the facility level **(Completed)**
3. Develop a transition road map with clear timeline of replacement of equipment being phased out **(Completed)**
4. Lateral Flow Cytometry as part of Hybrid System for CD4 **(pilot approved)**
5. Continuous capacity building HCWs on WHO staging and AHD screening **(Training package developed, Trainings started)**

Clinical Management of AHD

1. Identify levels of care with **hub and spoke** model to **(Completed)**
2. Capacity building of HCWs on screening and management of CM **(national webinars)**
3. Strengthen commodity supply plan and have the procurement specifications **(in progress)**
4. Introduction of optimal WHO regimens for CM treatment **(Completed)**
5. An AHD/OI operational manual with simplified protocols of AHD management including comprehensive job aid on Lumbar Puncture **(Completed)**

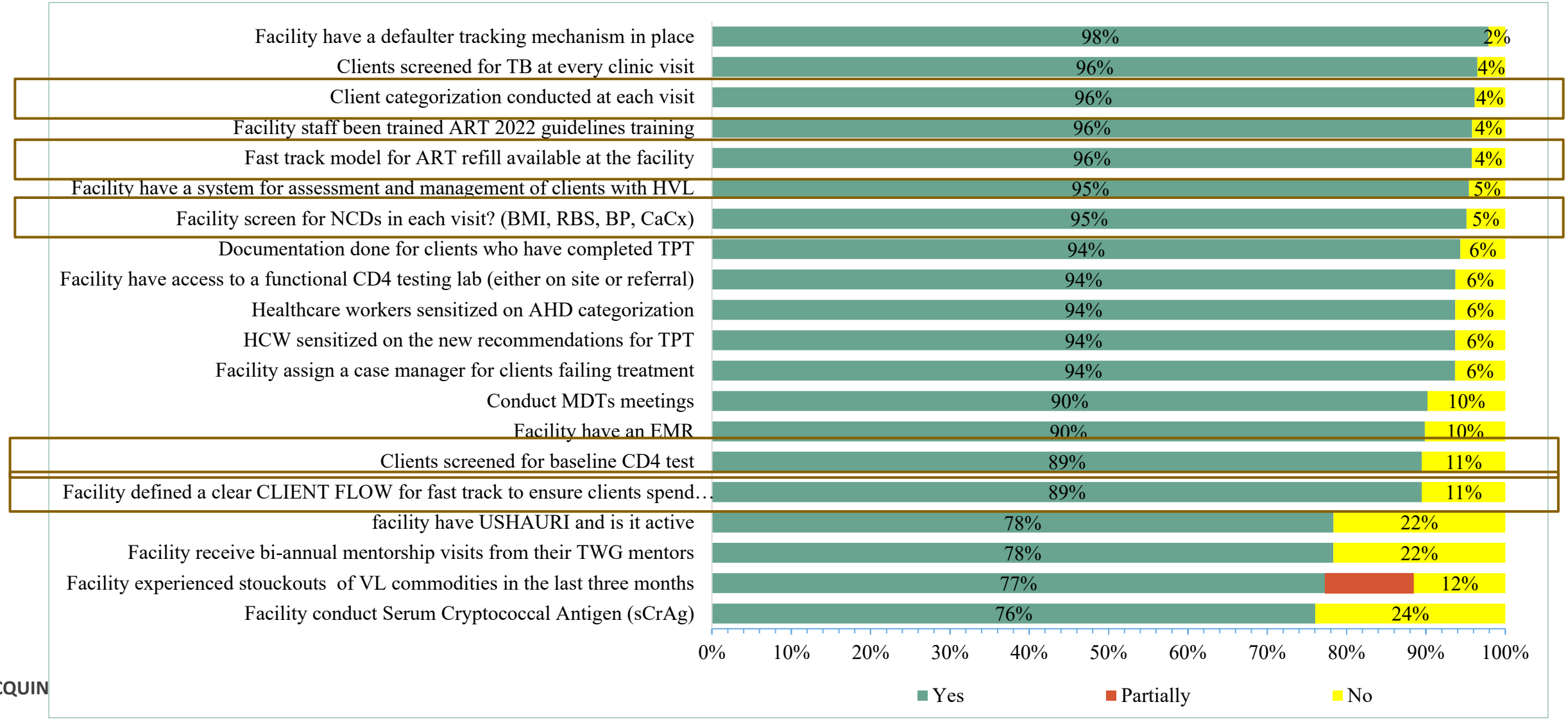
TB

1. Urgent need for a refresher on use of TB_LAM **(Echo sessions done)**
2. Strengthen procurement planning for TB commodities & LF LAM **(Joint commodity security meetings initiated)**

Demand Creation

1. Identification of community champions **(Completed)**
2. Literacy materials and sensitization of ROC on AHD **(Developed)**

Integrated SQA Findings 2023
DSD, NCD Integration Indicators



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Integrated SQA - 2024 (Data Analysis Started)

Examples of quality Indicators Included

TB/HIV

Program Area	CARE & TREATMENT (For adults and Paediatrics)	
	Indicator/Question	Probable Response
TB case Finding	Does the facility implement TB active case finding cascade?	Y/N
TB	Are new clients screened for TB at every clinic visit? (Y/N)	Y/N
TB Diagnosis (WHO Recommended MDT)	Does the facility conduct Serum GeneXpert/Or other molecular tests for all TB presumptive cases?	Y/N
TB Diagnosis (LF/TB LAM)	Does the facility conduct LF-LAM for PLHIV with CD4 count of <200 cells/uL or WHO Stage III/IV?	Y/N
	Does the facility conduct LF-LAM for clients with PLHIV with TB symptoms?	Y/N
	Does the facility conduct LF-LAM for PLHIV who are hospitalised/ill patients?	Y/N
TB Preventive Therapy	Does the facility start clients NEWLY STARTING CARE on TPT/TB	Y/N
TB Preventive Therapy	Is documentation done for clients who have completed TPT? (Y/N)	Y/N

AHD

Program Area	CARE & TREATMENT (For adults and Paediatrics)	
	Indicator/Question	Probable Response
AHD Screening	Is CD4 testing conducted for clients NEWLY ENROLLING ON CARE?	(Y/N)
	Is CD4 testing conducted for clients RETURNING TO CARE AFTER INTERRUPTING TREATMENT FOR > 3MONTHS?	(Y/N)
	Is CD4 testing conducted for clients WITH TREATMENT FAILURE?	(Y/N)
AHD Screening	Does the facility have access to a functional CD4 testing lab (either on site or referral)?	(Y/N)
Serum CrAg	Does the facility conduct Serum Cryptococcal Antigen (sCrAg) for clients with CD4 < 200 cells/ml /WHO stage III/IV or those with symptoms?	Y/N
AHD/Mortality Audit	Does the facility conduct mortality audits reviews for AIDS related deaths?	Y/N

NCD

Program Area	CARE & TREATMENT (For adults and Paediatrics)	
	Indicator/Question	Probable Response
NCD Screening	Is a functional machine available at the HIV service delivery point?	Y/N
	Is blood pressure/BP documented for clients during their clinic visits?	Y/N
	Is weight/height and BMI documented for adult clients during clinic visits?	Y/N

DSD Models

Program Area	CARE & TREATMENT (For adults and Paediatrics)	
	Indicator/Question	Probable Response
Diversity of HIV Differentiated Service Delivery (DSD)	Models of DSD available/active for clients at the facility?	**1.** Only Standard Track **2.** Standard Track and Fast Track **3.** Standard Track + Fast Track + Atleast 1 Community DSD Model

2024 Kenya Quality Domain CMM Staging

AHD

Trend Over Time	2022	2023	2024
Policies			
Guidelines			
AHD Scale-up Plan			
SOPs			
Coordination			
ROC Engagement			
Training			
Diagnostic Capability 1			
Diagnostic Capability 2			
Facility Coverage			
Client Coverage 1			
Client Coverage 2			
Client Coverage 3			
Client Coverage 4			
Supply Chain			
M&E System			
Quality			
Impact			

dHTS

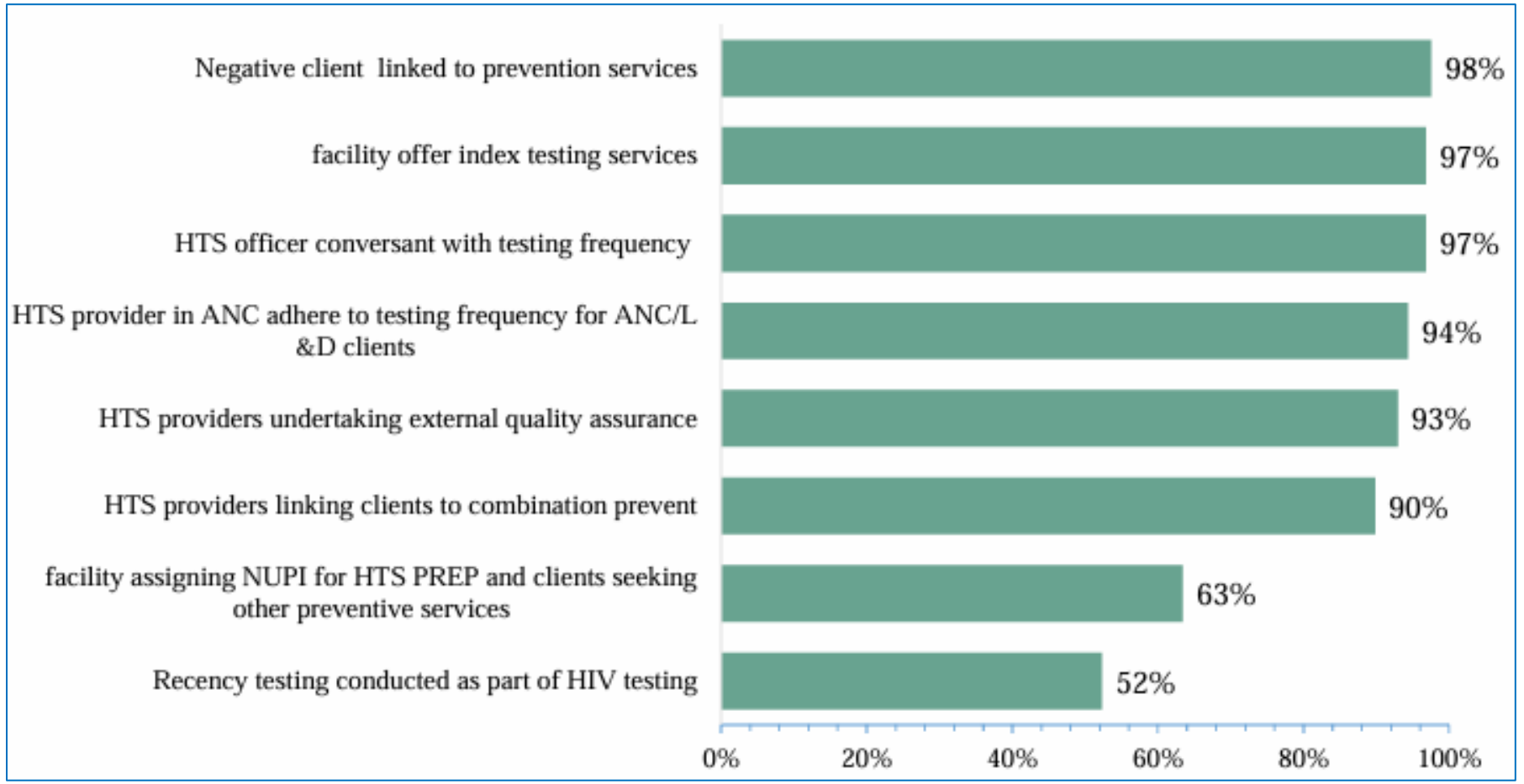
	Kenya	
	2023	2024
Policy: Strategic Model Mix		
Policy: Optimizing HIV Testing		
Policy: Linkage		
Finance/Resource Allocation		
SOPs		
Scale-up Plan		
Community Engagement		
Private Sector Engagement		
Coordination		
dHTS Training		
M&E		
Procurement/Supply Chain		
Population Coverage		
Linkage to Tx: Timely Linkage		
Linkage to Tx: Verification		
Linkage to Prevention		
EQA/IQC		
Proficiency Testing		
Clinical Services		
Impact: Knowledge of Status		
Impact: Linkage to Tx		
Impact: Linkage to Prevention		

dART

Trend Over Time	2022	2023	2024
Policies			
Guidelines			
Diversity			
Scale Up Plan			
Coordination			
Community			
Training			
M&E System			
Procurement			
Facility Coverage			
Client Coverage			
AHD			
Key Populations			
TB/HIV			
MCH			
NCD/HIV			
Family Planning			
Quality			
Impact			

How can we better stage these moving forward in the context of integrated SQA for the HIV program?

2023 dHTS Service Quality Assessment
321 Health Facilities



SQA assessment Areas

- Linkage to prevention
- Index testing
- External quality assessment
- Linkage to other combination prevention

Lessons Learnt & Next Steps

Lessons Learnt

- Integration of DSD indicators into routine HIV service indicators for sustainability
- Adoption of CQUIN quality indicators into national standards/guidance document
- Need to review quality indicators as programs evolve
- There is an opportunity to leverage on EMRs to automate some aspects of quality assessments

Next Steps

- Dissemination of the Kenya DSD manual - includes quality assessments
- Analysis and dissemination of the Kenya integrated SQA 2024
- Follow AHD quality review - following implementation of action from previous assessment
- Leveraging on existing systems to scale up ROC satisfaction surveys

Acknowledgements

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Thank You!