

Leveraging on Electronic Medical Records (EMR) Systems for HIV/FP M&E: *The Kenya Case Study*

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Kenya MoH NASCOP

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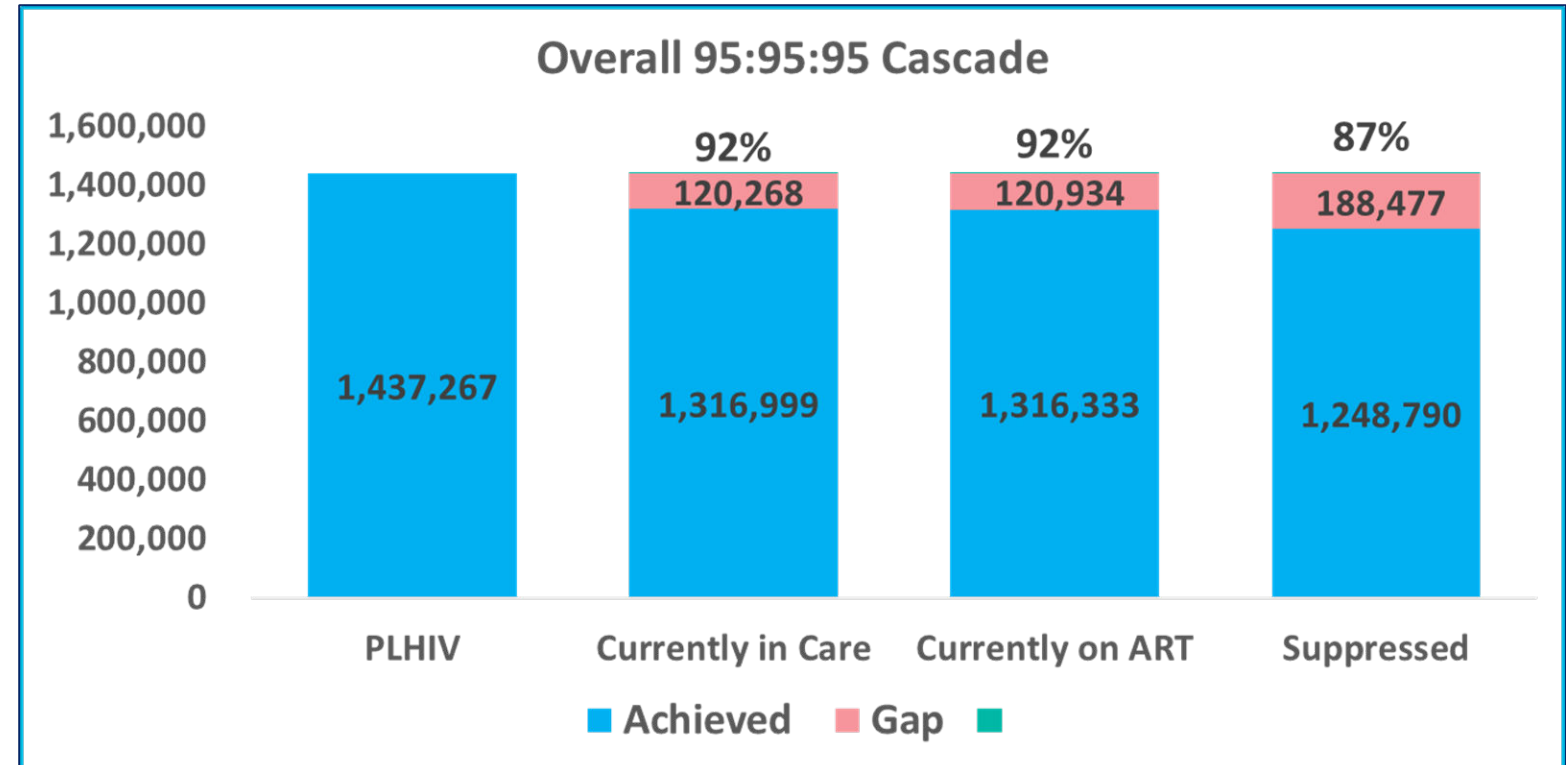
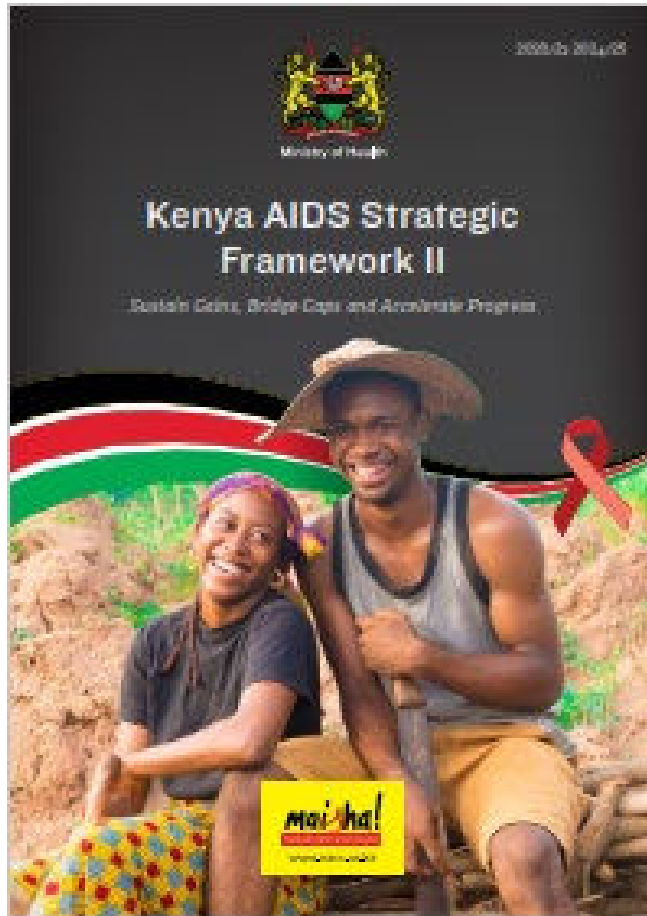


Presentation Outline

- **Kenya Country Context: Population, Progress to 95-95-95, Current on ART**
- **Guiding policy and guidance for FP/HIV integration**
- **Current coverage of FP for women in general population, targets, models of integration**
- **Data flow for FP data**
- **Leveraging on EMR for FP/HIV data**
- **Next steps**

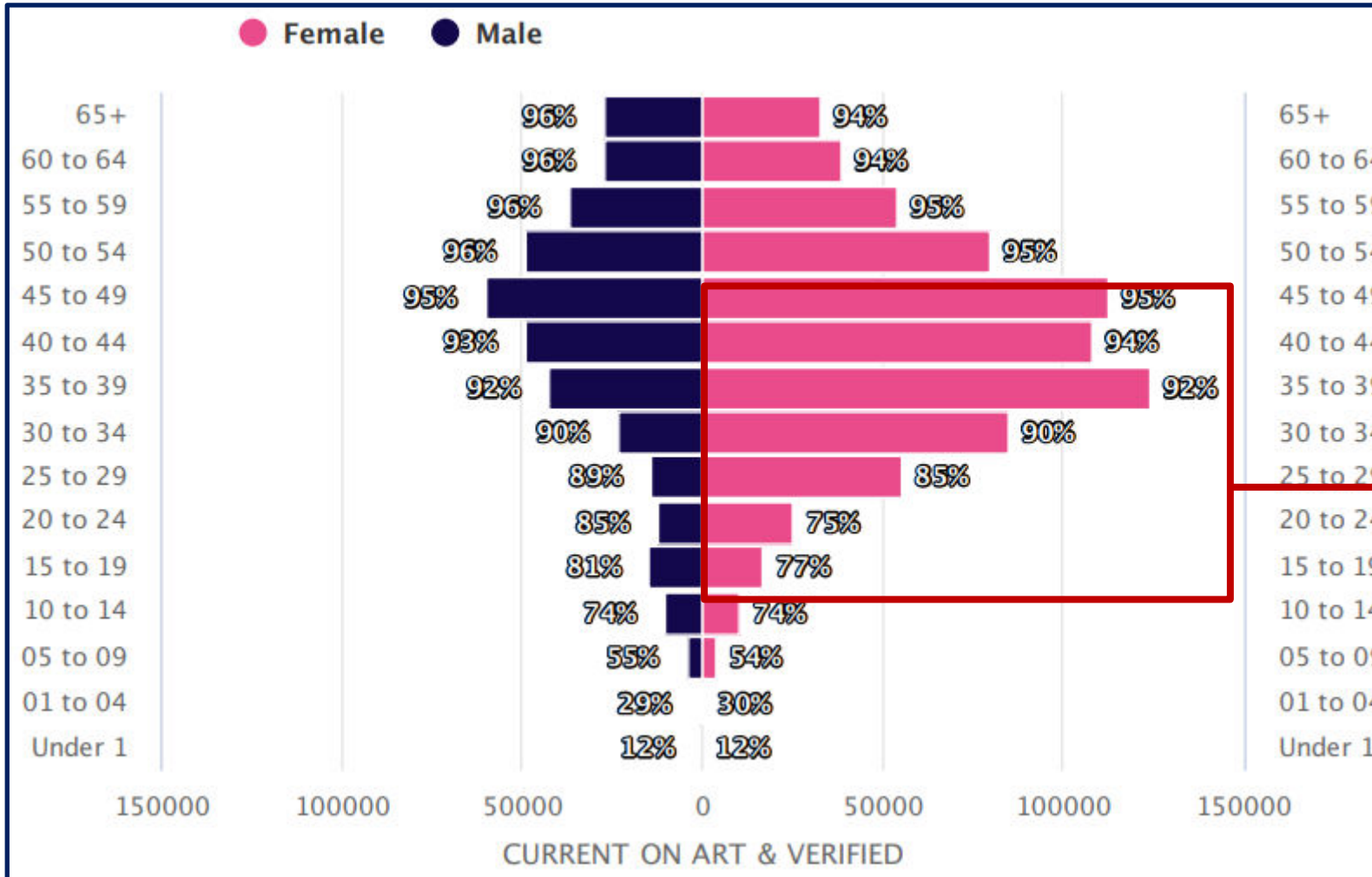
Kenya : Progress Towards the 95:95:95 Targets

KASF II 2020/21 - 2024/25



- PLHIV Current on Treatment; **1,316,333**
- Viral Suppression of those on ART : **94.9%**

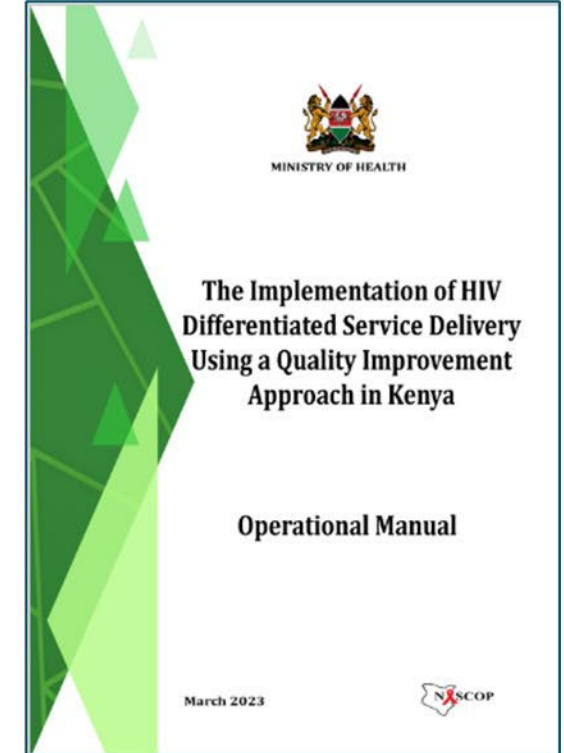
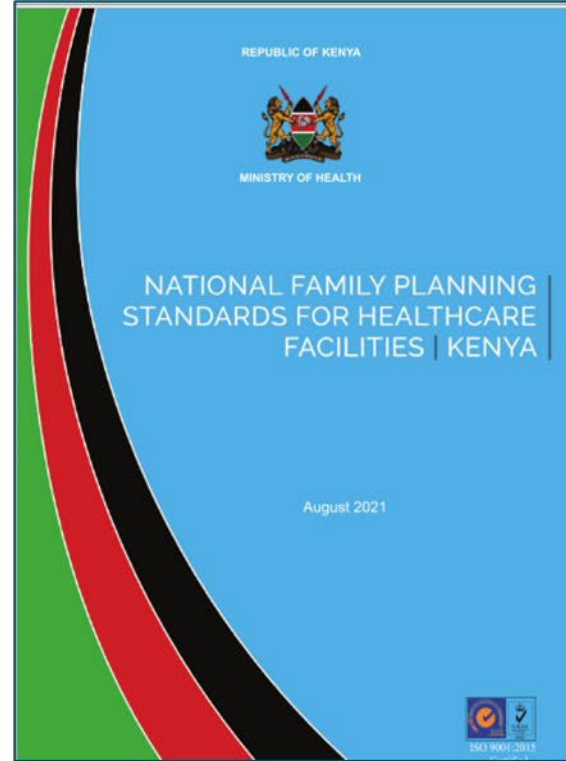
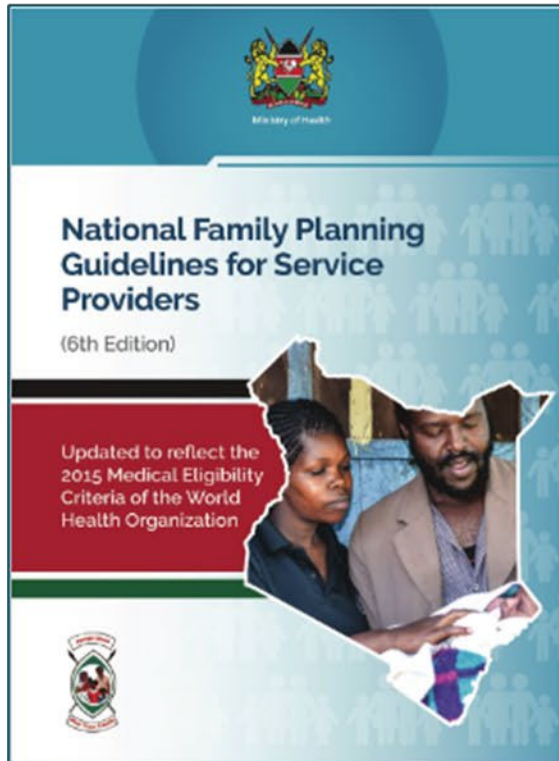
PLHIV Current on ART : By Age and Gender



- **1.3 Million:** Total PLHIV Current on ART: 1.3 Million
- **66% ; Female, 34%;** Male
- **47%;** Women Living with HIV of Reproductive Age (WRA) on ART (15 - 49 years)

NDWH Data

Kenya: Policy/guidelines recommend for integration of family with HIV services



Kenya FP Context: Targets

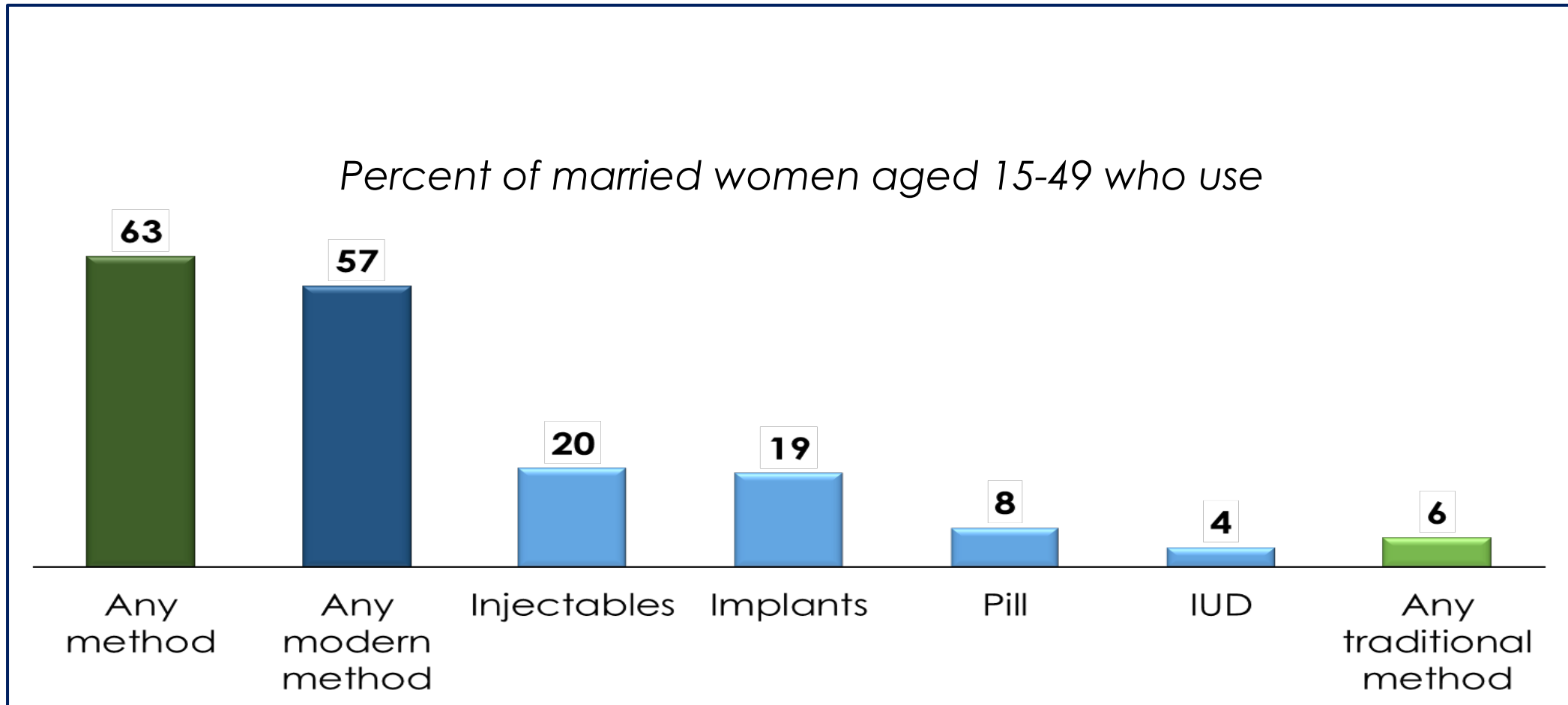
Targets Based on the Kenya Costed Implementation Plan

Impact-level Indicators	Baseline-KDHS 2022	Proposed 2030 Target	Frequency of Measurement
Reduction of Unmet Family Planning Needs			
FP mCPR for all women	57%	64%	Annually
Proportion of Women with Unmet Need for Family planning	14%	10%	Annually

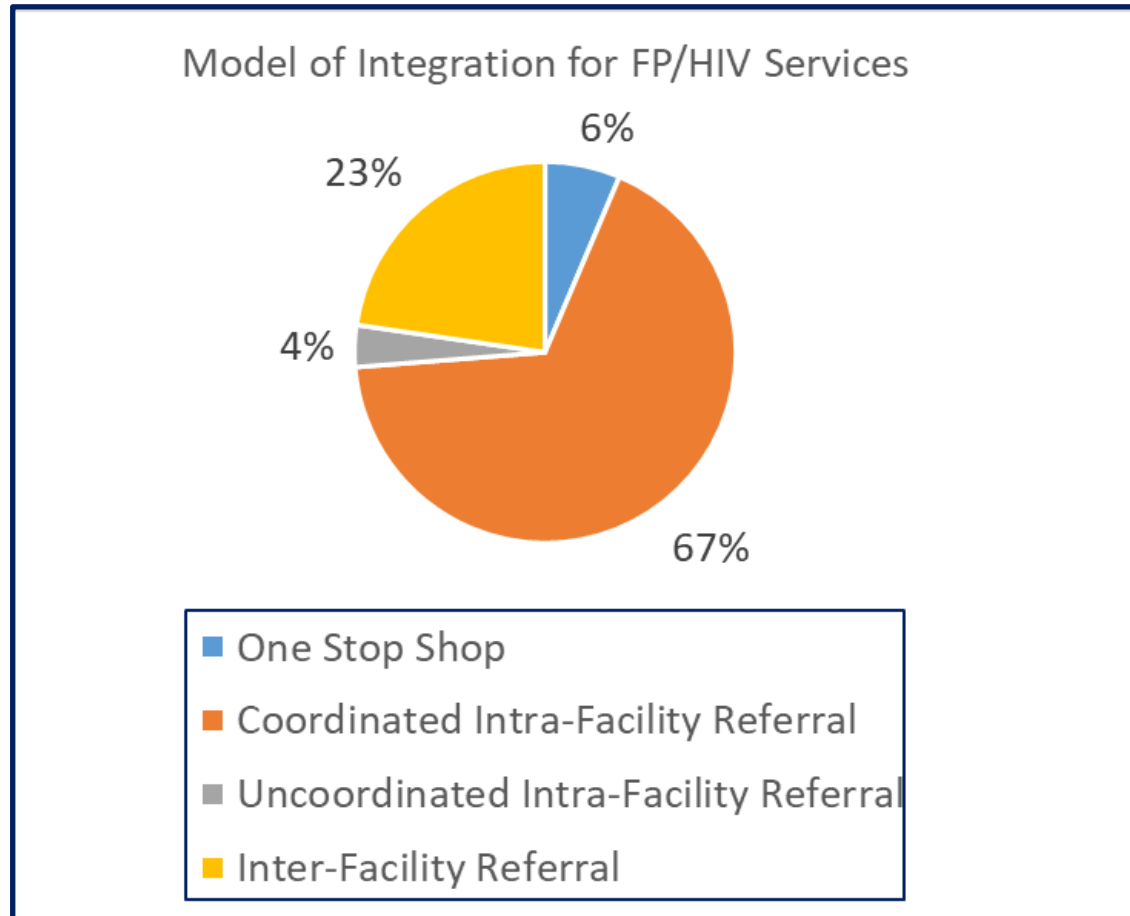
Proxy denominator : Married women

Kenya FP Context: Current Use of FP

The 2030 Target for mCPR for Married Women is 64%



Model of FP/HIV Services Integration



Sample Data from Nairobi ART Sites (n=142)

- **Coordinated intra-facility referral** is the commonest model (2/3 of the facilities)
- Inter-facility referrals (mainly for the FBO, Private, Drop-in Centers (DICEs) with no access to GOK provided FP commodities)
- Current efforts to increase number of facilities with 'one stop' model of integration

Kenya FP Context: FP Data Documentation

Data Sources


- Maternal Child health and Family Planning Clinic
- Labour Ward (PPFP)
- Maternity Ward (PPFP)
- Postnatal wards
- Obstetric and Gynecological Wards (PAC Clients)
- Maternity Theatre (PPFP/ Permanent Methods)
- Pharmacies
- **CCC Clinics**

Data Tools

- MOH 512 - Family Planning Register
- MOH 711 - Summary Tool
- FCDRR
- FP Dashboard

MOH 352: Primary FP Register

Republic of Kenya – Ministry of Health



Family Planning (FP) Register MOH 512

County:			
Sub-County:			
Health Facility:			
MFL CODE:			
Type:		Ownership (e.g. GoK/FBO/Private)	
Start date:		End date:	

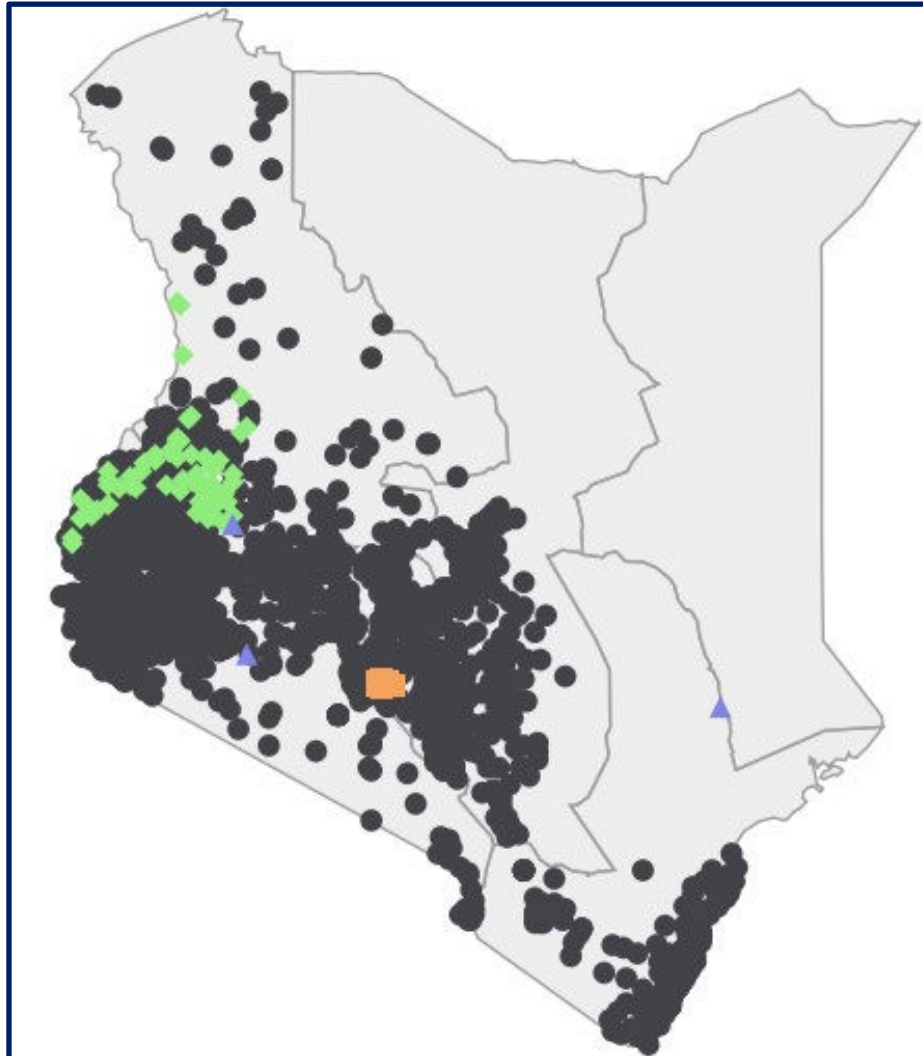
Revised Edition: October 2022

HIV Status		
Counselled (Y/N)	Counselled & Tested (Y/N)	HIV- results: 1=Known positive 2=Positive 3=Negative 4=Unknown

- Register used in all service delivery points (including at CCC)
- Not Longitudinal
- Has columns to capture HIV status at testing - however the HIV status data is NOT aggregated and reported to KHIS

Leveraging on EMR for FP/HIV M&E

Kenya HIS Coverage Distribution - PLHIV Coverage



- **1,690** Active Kenya EMR Sites
- **> 90%** of EMR sites report to National Data Warehouse (NDWH)
- As of September 2023, **1,210,724 (92%)** of out of all PLHIV Current on ART had their **records in the NDHW**
- Opportunity to leverage on high coverage of EMR for ART patients for reporting, analysis of patient level data including FP/HIV

KEY: EMR SITES

- KENYAEMR
- ◆ AMRS
- ECARE
- ▲ IQCARE-KEHMIS

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Kenya EMR: Clinical Encounter Form (Green Card)

KenyaEMR 1.8.6.2, powered by OpenMRS
Kirwara Health Clinic (10640)

Government of Kenya
Ministry of Health

Home Clinician Logged in as MAITHE MAITHE MAITHE My Profile Log Out Help

MERCELINE, MERCELINE MERCELINE Unique Patient Number 1231400823
♀ Female, 21 year(s) (05-May-2002) National ID 79009600
National Unique patient identifier XXX0000808000

LDL Due for CACX Screening

Current visit Outpatient since 17:09

Editing Outpatient visit, 13-Oct-2023 17:09

HIV Green Card

1 Visit details 2 History 3 Examination 4 Management

Presenting complaints

Complaints and History of complaints

Patient having complaint(s) today? Yes No

Clinical Notes

Previous visit's notes

clinic (17-Apr-2023)

TB Screening

Current Status Recent

Patient on anti-TB Drugs? Yes No

Patient currently on TPT? Yes No

- 2nd section contains the sexual and reproductive history and **client family planning** information

Kenya EMR: Clinical Encounter Form (Green Card)

Sexual and Reproductive History

Has patient ever had menses? Yes No N/A

Current Status * Date Recent Menopausal status

When was your LMP Date: * 23-May-2023 (12-Jun-2023) Menopause

Patient Pregnant? * Yes NO No (12-Jun-2023) ←

Patient Breastfeeding? * Yes No No (12-Jun-2023)

Wants to get pregnant in three months? * Yes NO ←

Family Planning Status

Family Planning Status : ▼

If currently using Family Planning, or wants Family Planning, specify which method(s)

<input type="checkbox"/> Emergency contraceptive pills	<input type="checkbox"/> Diaphragm/Cervical Cap
<input type="checkbox"/> Oral Contraceptives Pills	<input type="checkbox"/> Fertility Awareness
<input checked="" type="checkbox"/> Injectable	<input type="checkbox"/> Tubal Ligation
<input type="checkbox"/> Implant	<input checked="" type="checkbox"/> Condoms
<input type="checkbox"/> Intrauterine Device	<input type="checkbox"/> Vasectomy(Partner)
<input type="checkbox"/> Lactational Amenorhea Method	

Not using Family Planning? Specify reason(s)

Thinks can't get pregnant
 Not sexually active now
 Other

Pregnancy status Assessment

Patient Pregnant?

- YES
- NO

Pregnancy Intention Assessment

Wants to get pregnant in 3 months?

- YES
- NO

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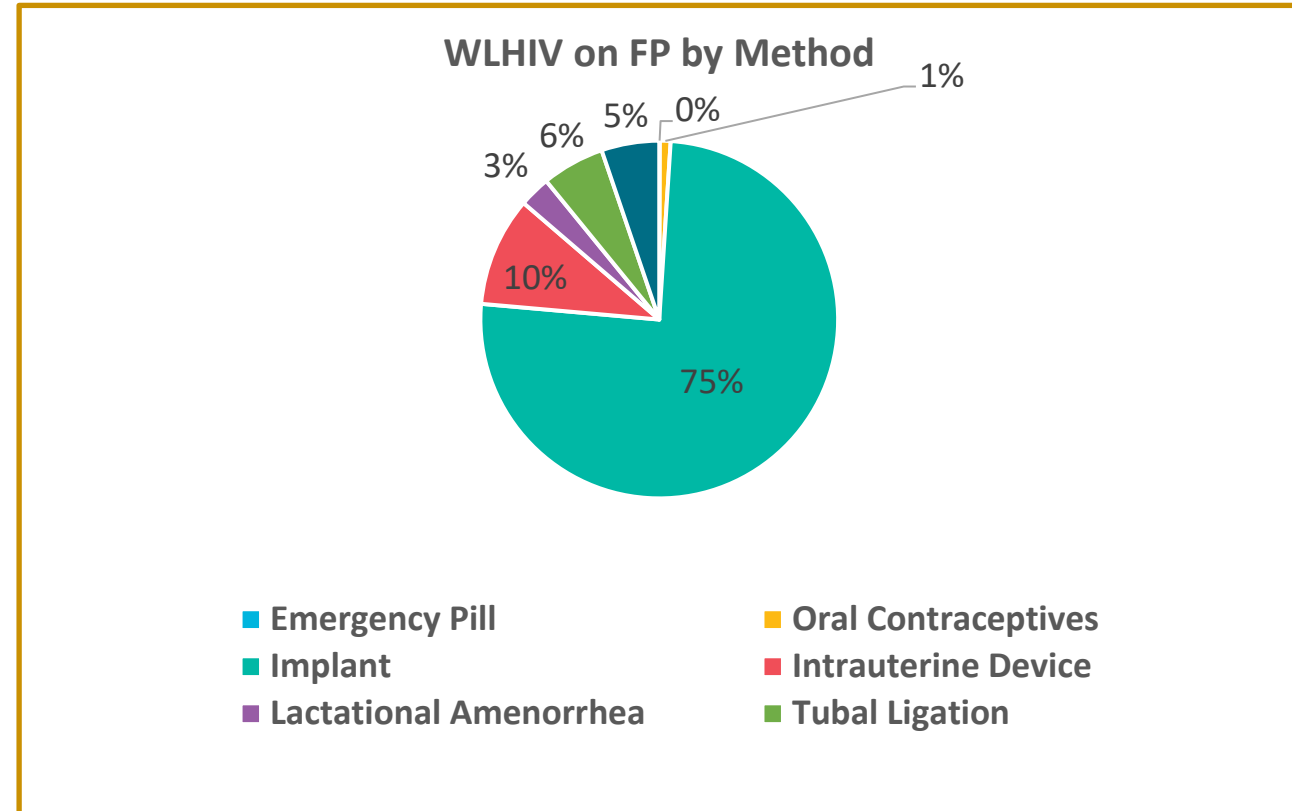
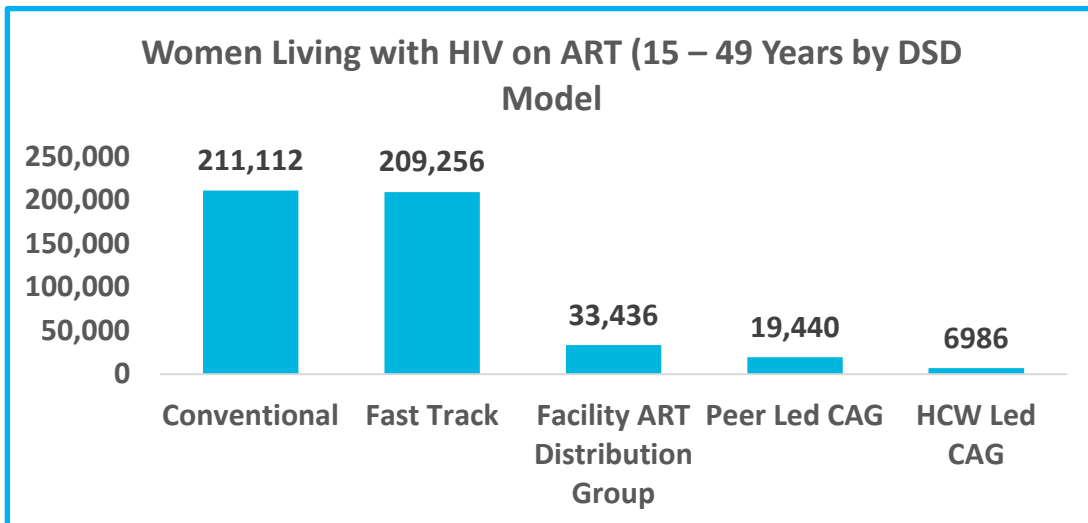
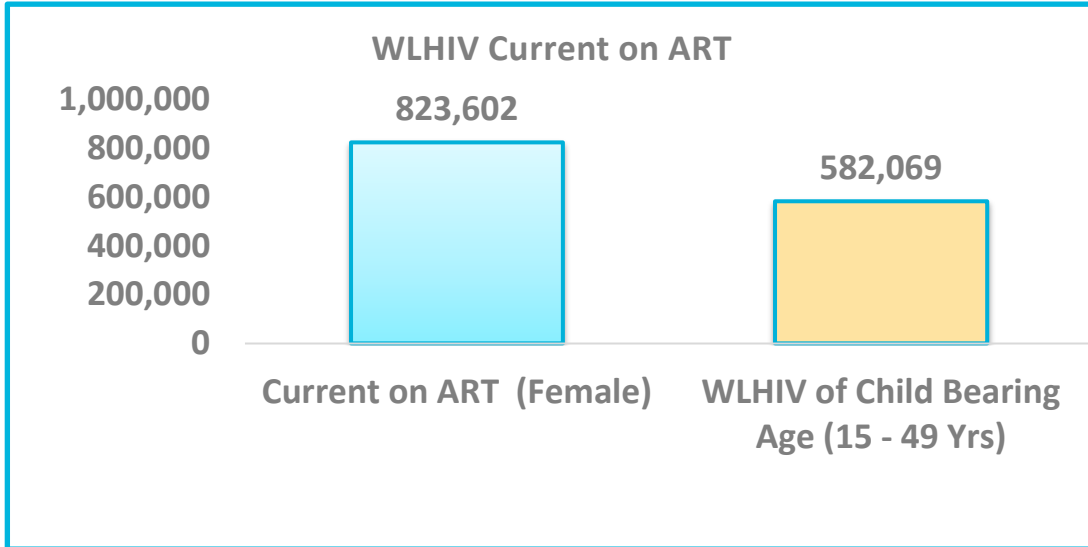
- On family planning
- Not using family planning
- Wants family Planning

If on/wants FP

>> Method specified

If woman not on FP, the reason is specified

NDWH: Data Outputs (FP Among WLHIV on ART)



- **Implant (75%) and IUD (10%) 2 most preferred methods (n=7,886)**

Gaps & Opportunities : Leveraging on EMR for FP/HIV M&E

Challenges

- Incomplete documentation of the SRH/FP data

Opportunities

- Sensitization of HCWs on utility of form; to promote accuracy and completeness of reporting (quality of data)
- Create dashboards at NDWH that can integrate with data on DSD models for WLHIV to compute uptake
- Promote data use by including data analysis in review meetings

Next Steps for FP/HIV Integration M&E after the Rwanda Enhanced C-2-C , Oct 2023



- 1) Improve coordination between SRH(FP) and HIV program by designating focal persons on both programs
- 2) Review existing training curriculum for HCWs on FP/HIV integration, develop a training plan
- 3) Ensure availability FP registers in all service delivery points including at CCC
- 4) Technical assistance to HCWs at CCC on documentation and reporting of FP
- 5) Review/define FP/HIV Integration Cascade , define indicators, set targets
- 6) Review available data elements on National EMR/Datawarehouse, define aggregation at NDWH

Acknowledgement





Thank you!

