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

- Dr. Lazarus Momanyi – DSD Coordinator
- Dr. Lilly Nyagah – SI Section Manager

Kenya MoH NASCOP

16 October 2023

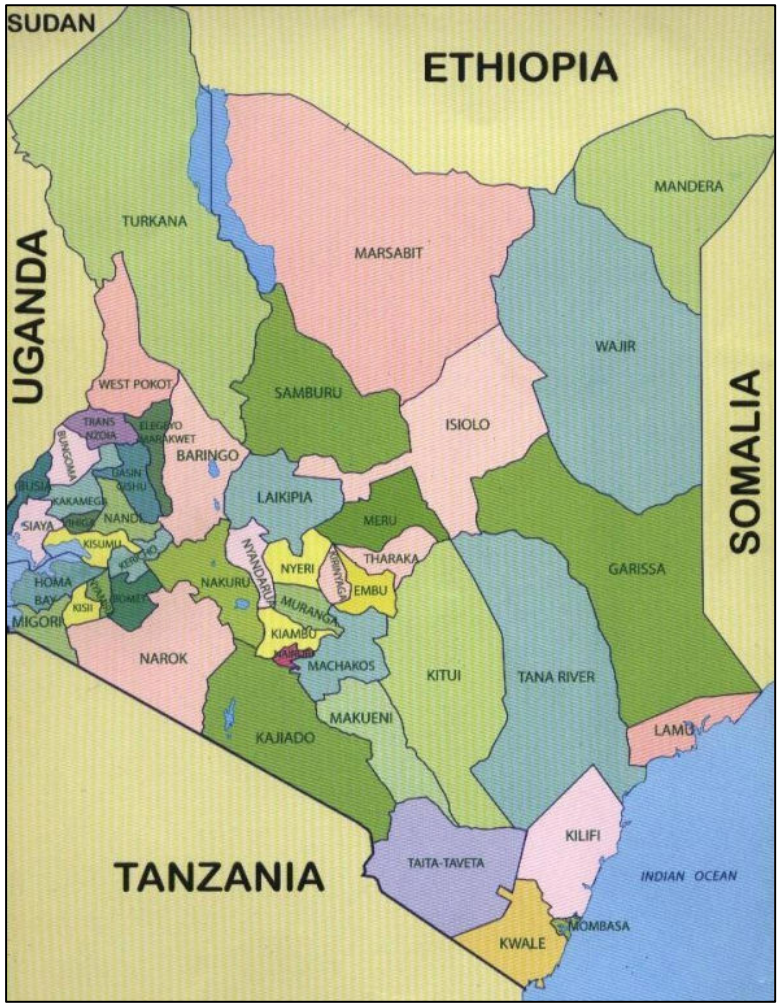
CQUIN 7th Annual Meeting

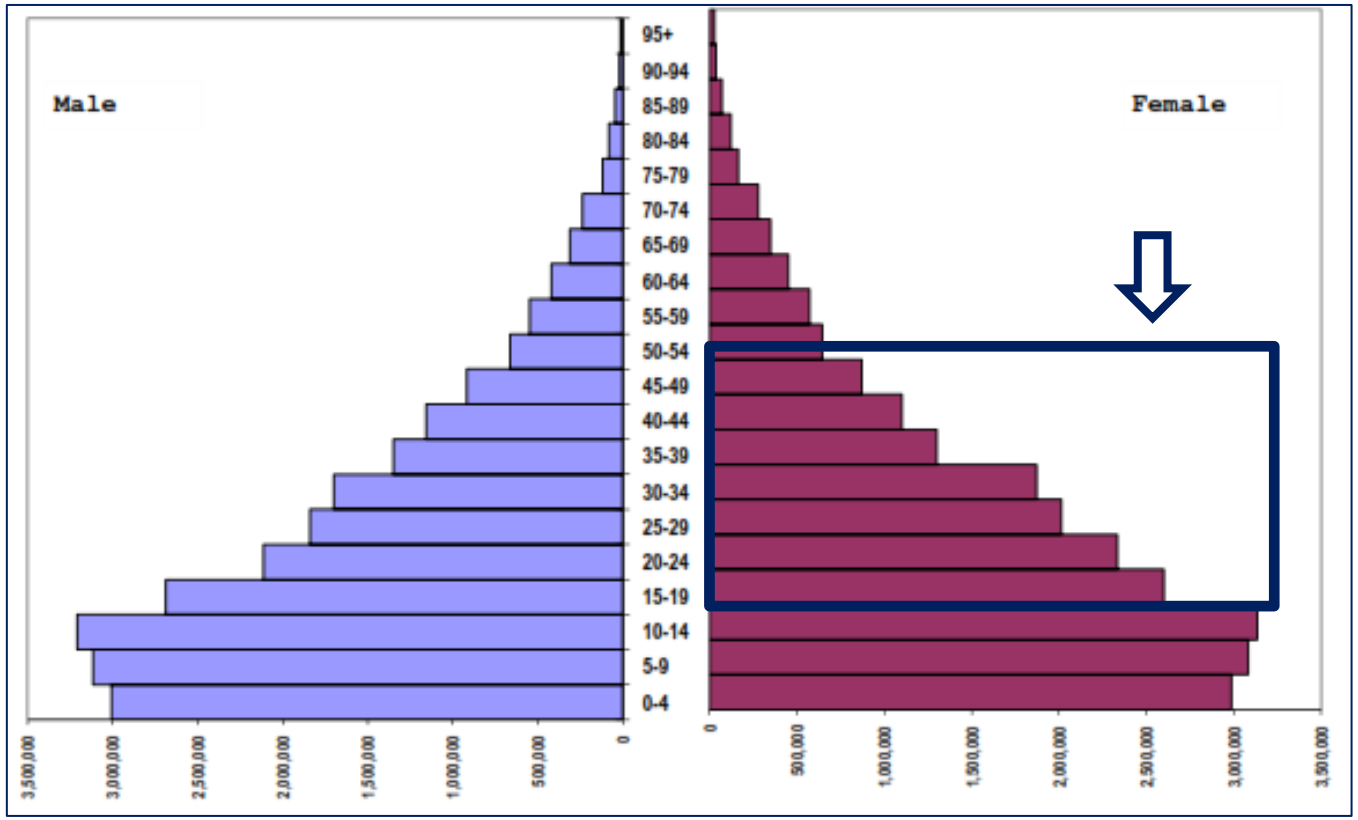
November 13 – 17, 2023 | Johannesburg, South Africa

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

Country Context: Kenya Population

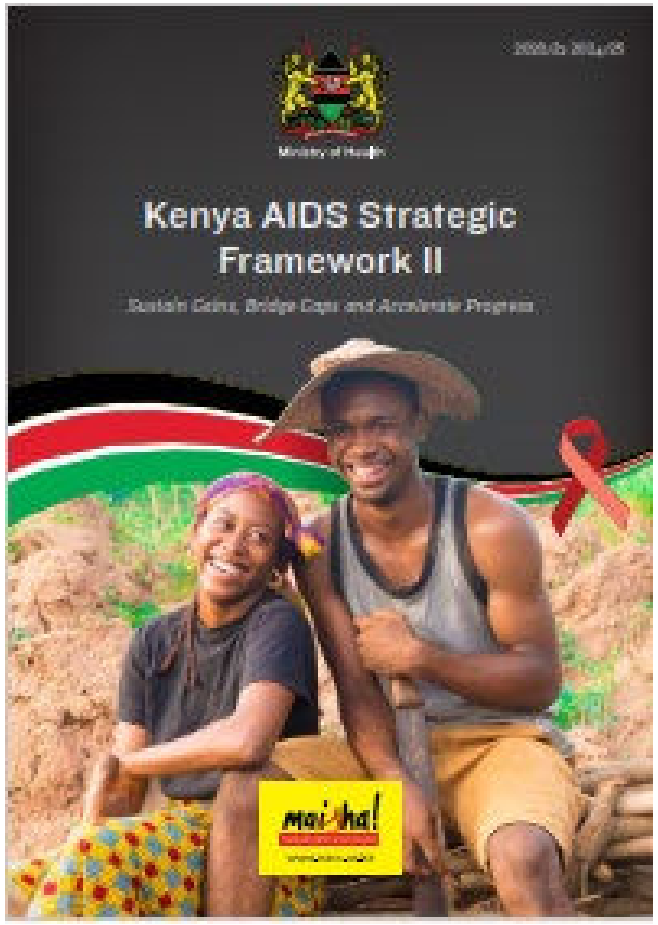


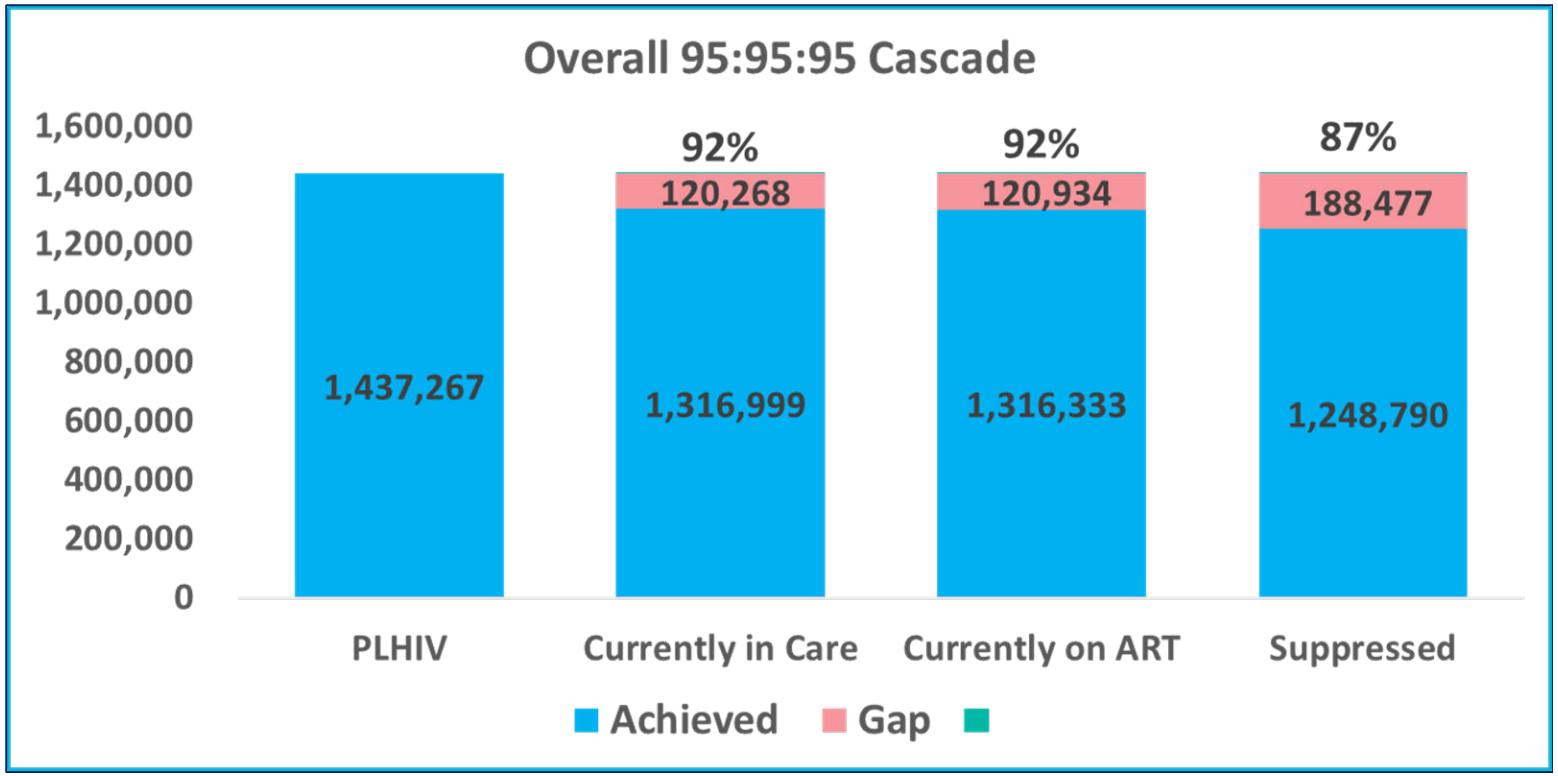


- **Total population: 47.5 million (KNBS Census report 2019)**
- **Women of childbearing age: 11M (approx. 23%)**

Kenya : Progress Towards the 95:95:95 Targets

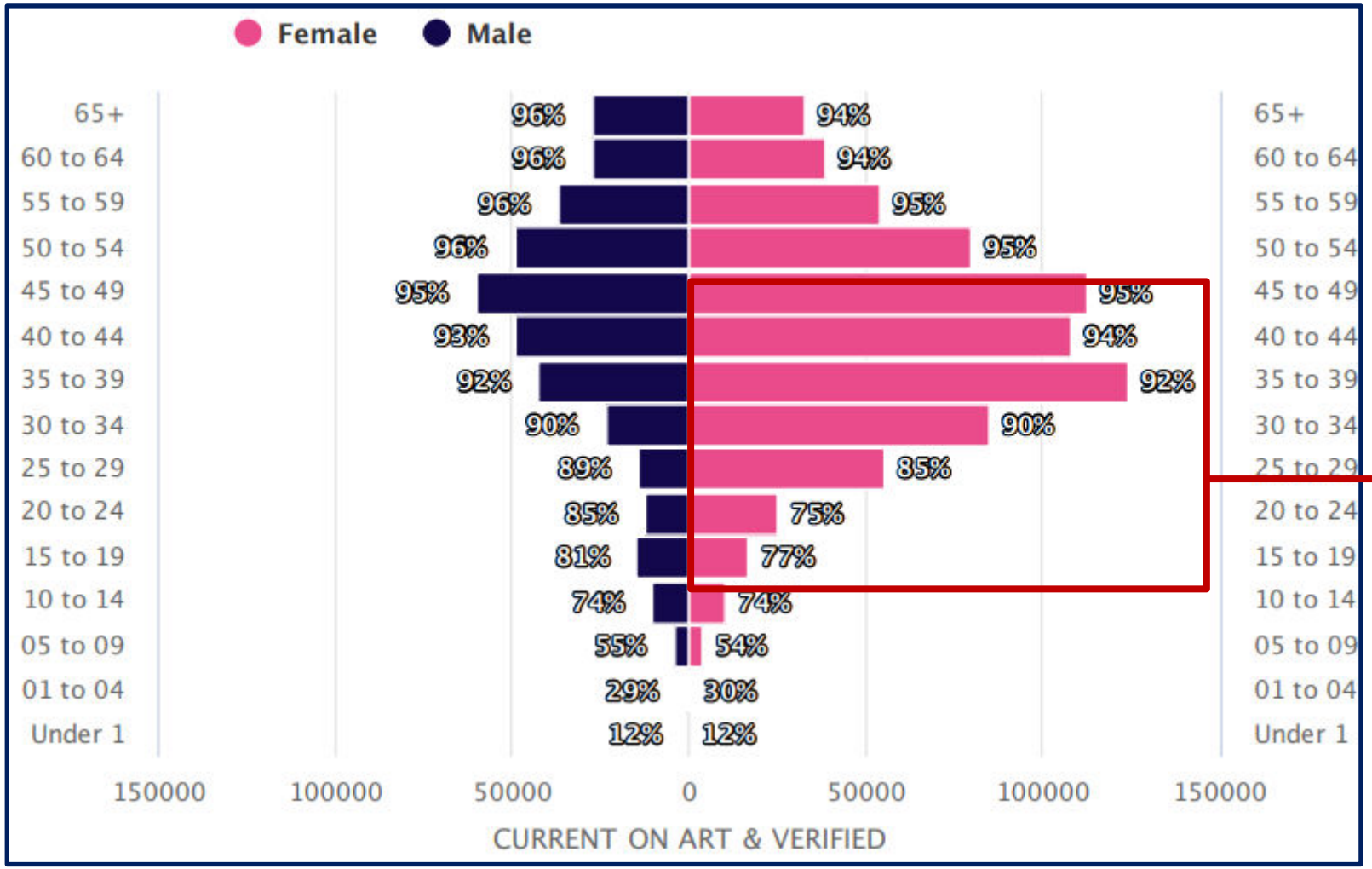
KASF II 2020/21 - 2024/25





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

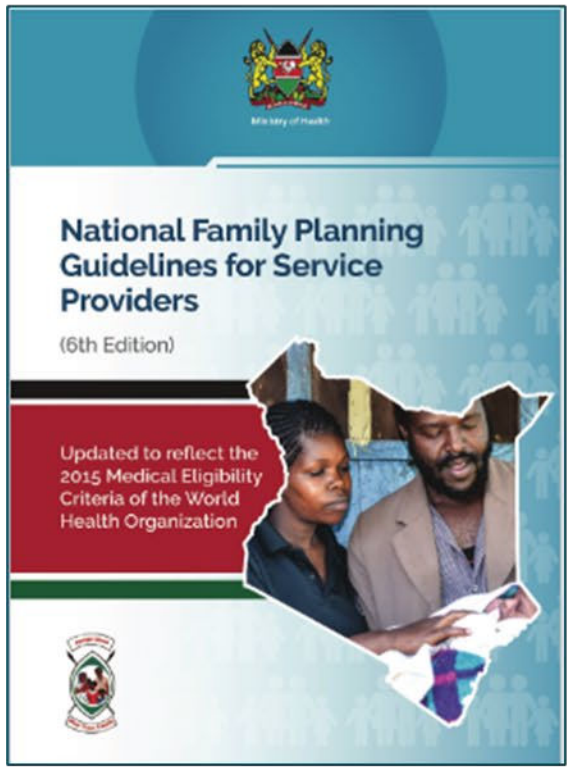
PLHIV Current on ART : By Age and Gender

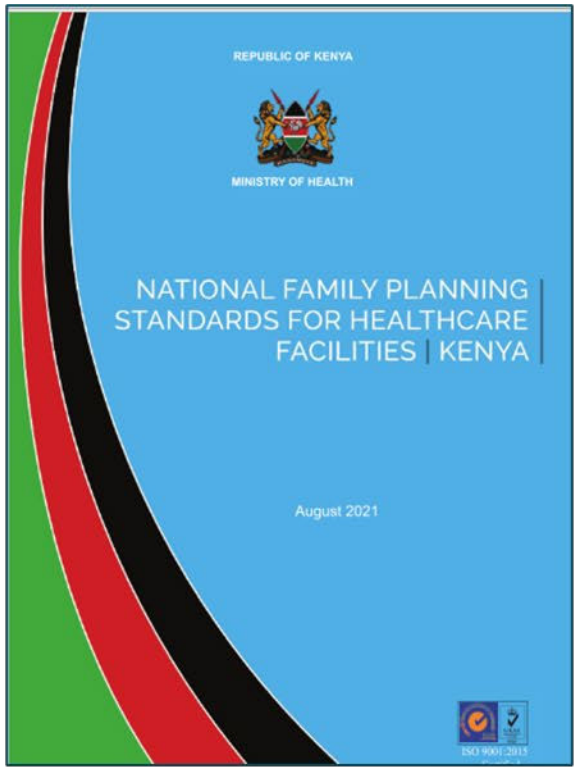


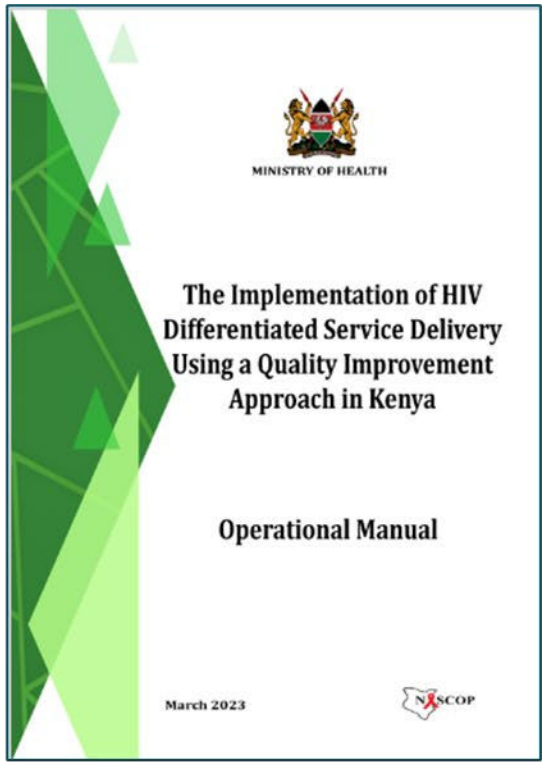
- **1.3 Million:** Total PLHIV Current on ART: 1.3 Million
- **66% ;** Female, **34%;** Male
- **47%;** Women Living with HIV of Reproductive Age (WRA) on ART (15 - 49 years)

NDWH Data

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







Kenya FP Context: Targets

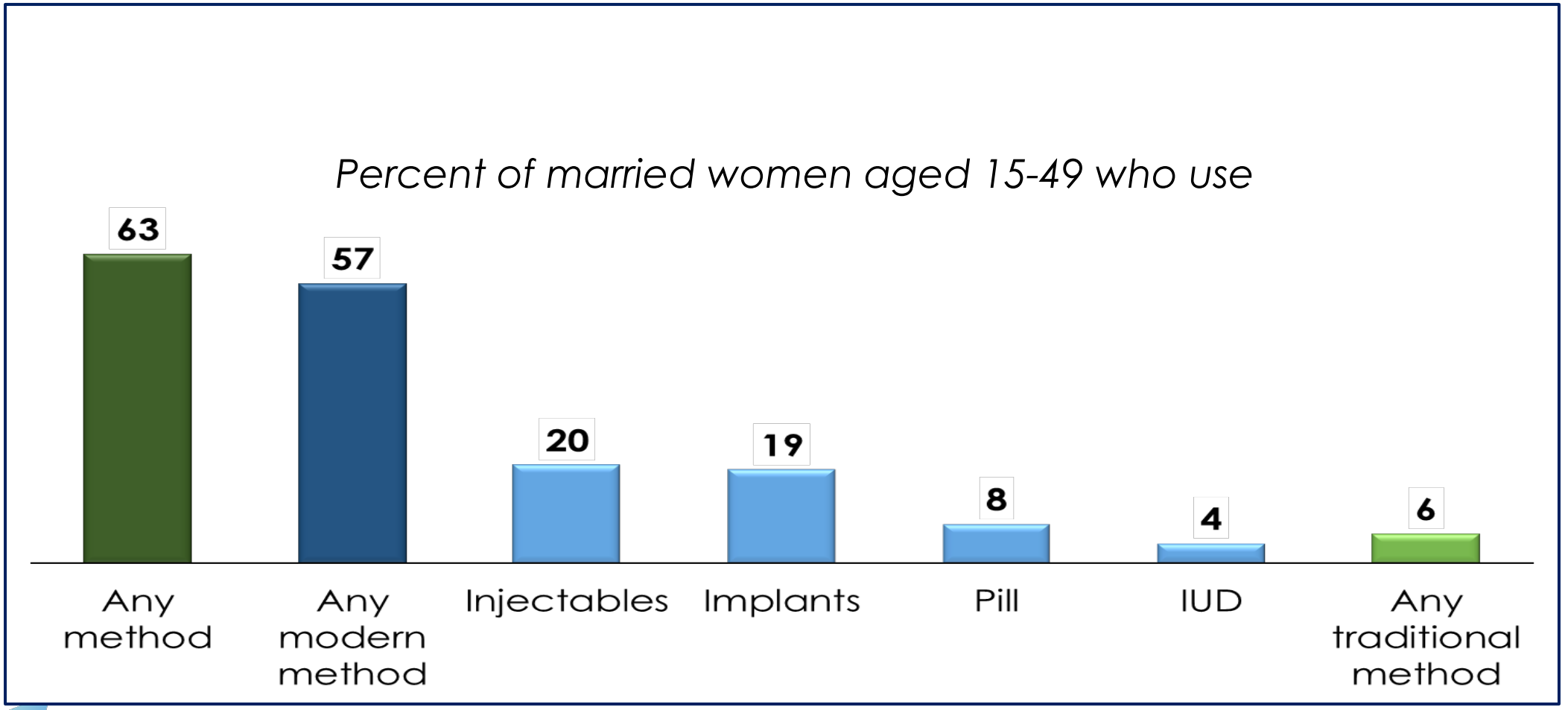
Targets Based on the Kenya Costed Implementation Plan

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

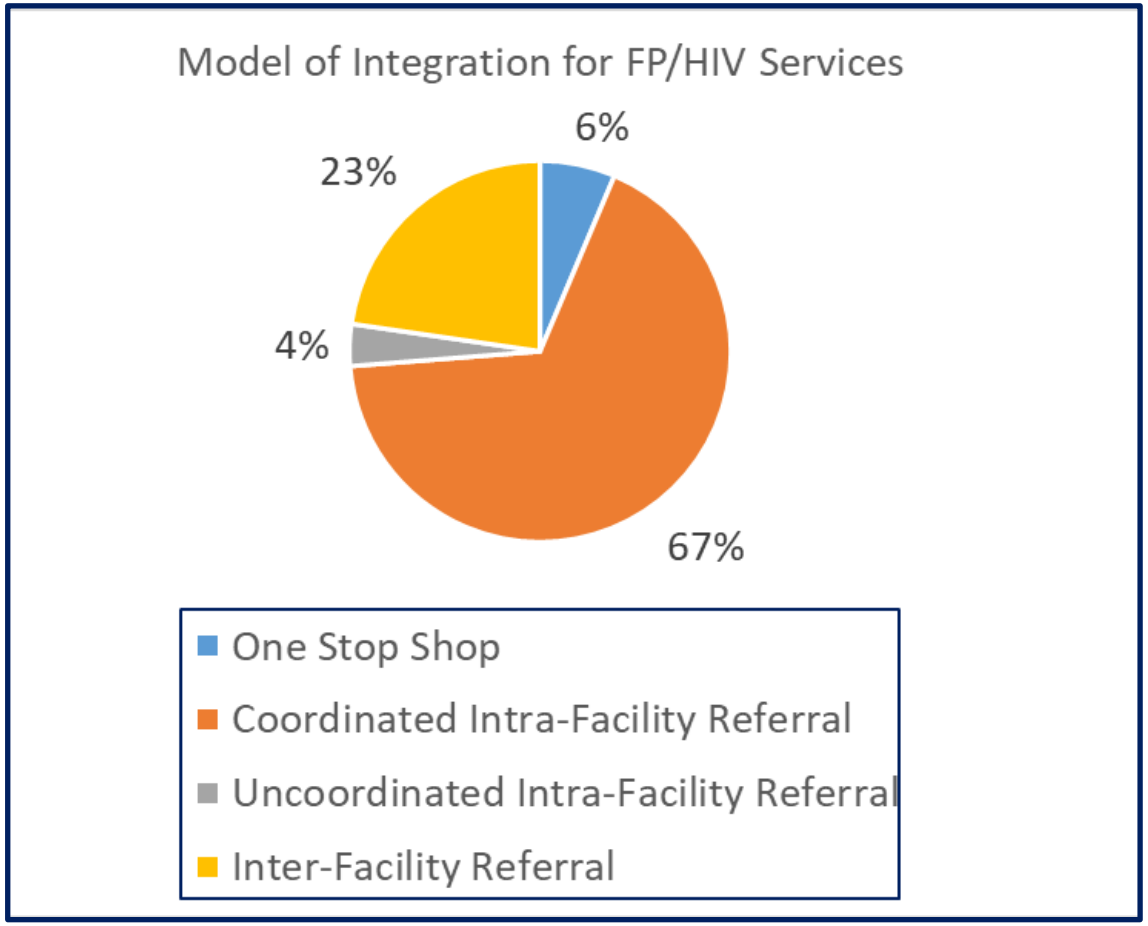
Kenya FP Context: Current Use of FP

The 2030 Target for mCPR for Married Women is 64%



KDHS 2022

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

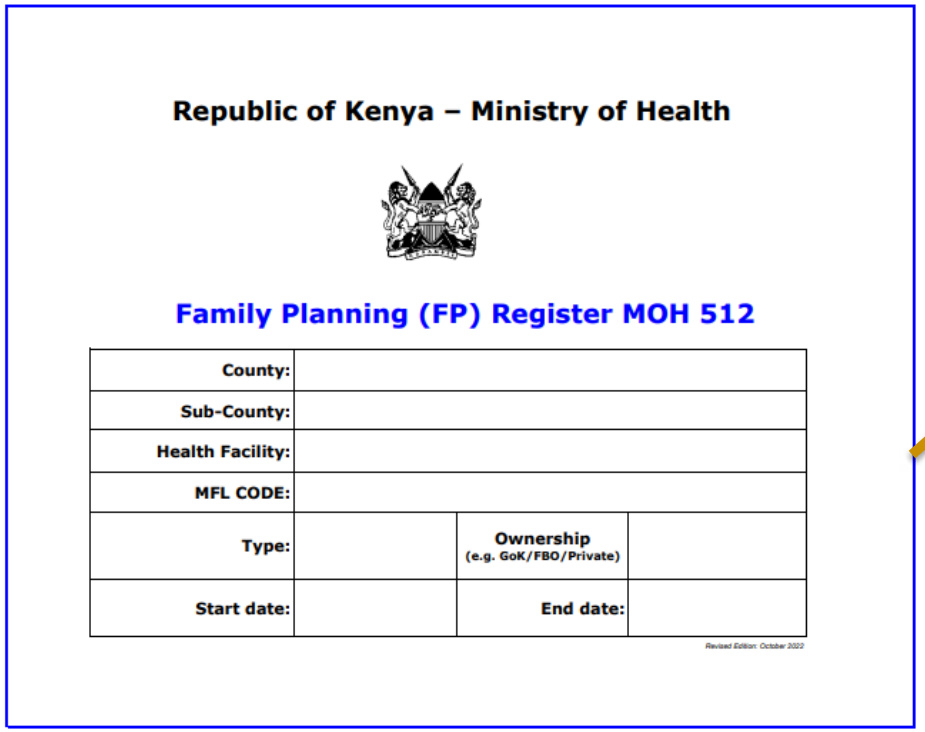
Data Sources

- 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

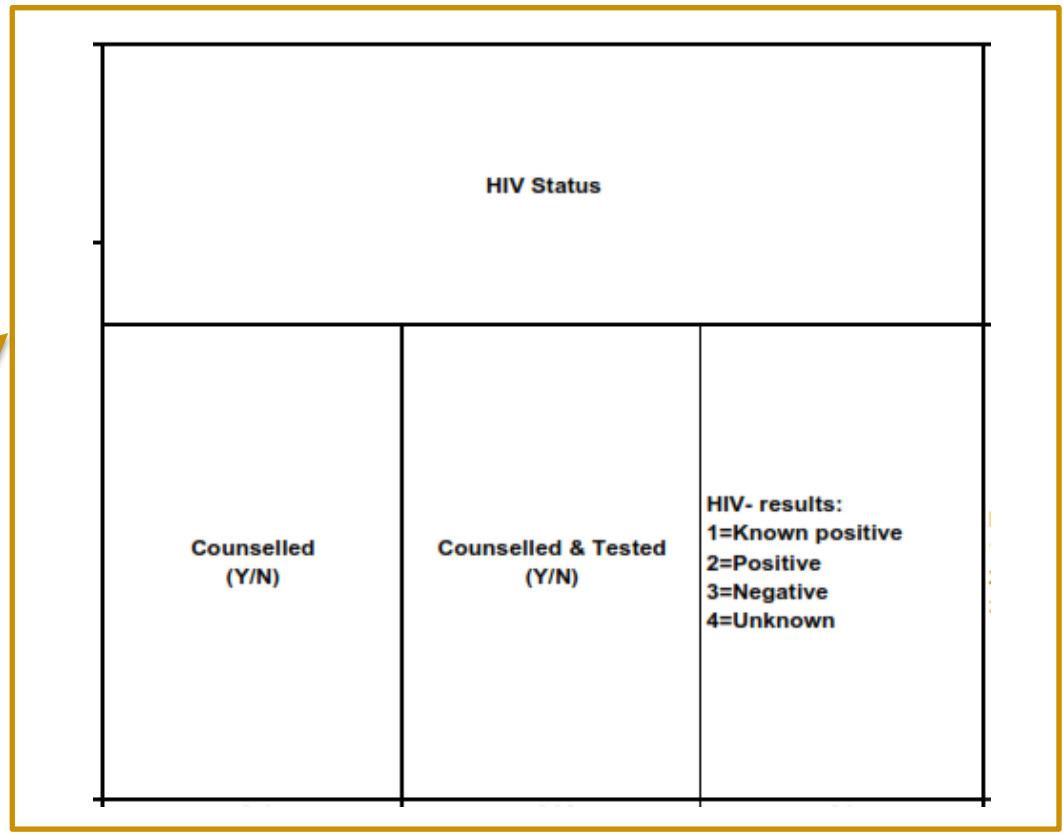


Republic of Kenya – Ministry of Health

Family Planning (FP) Register MOH 512

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

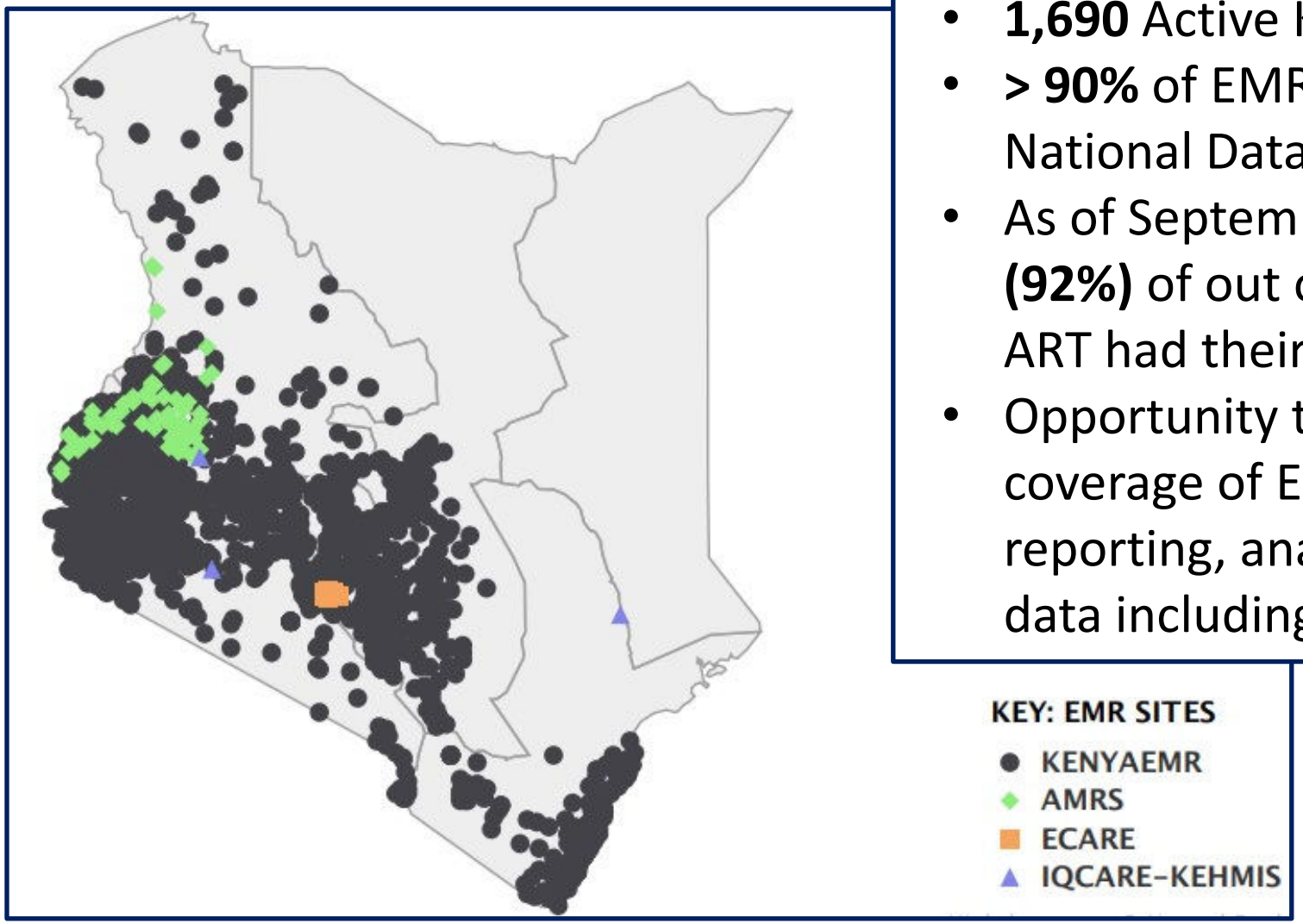
Revised Edition: October 2022



- 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

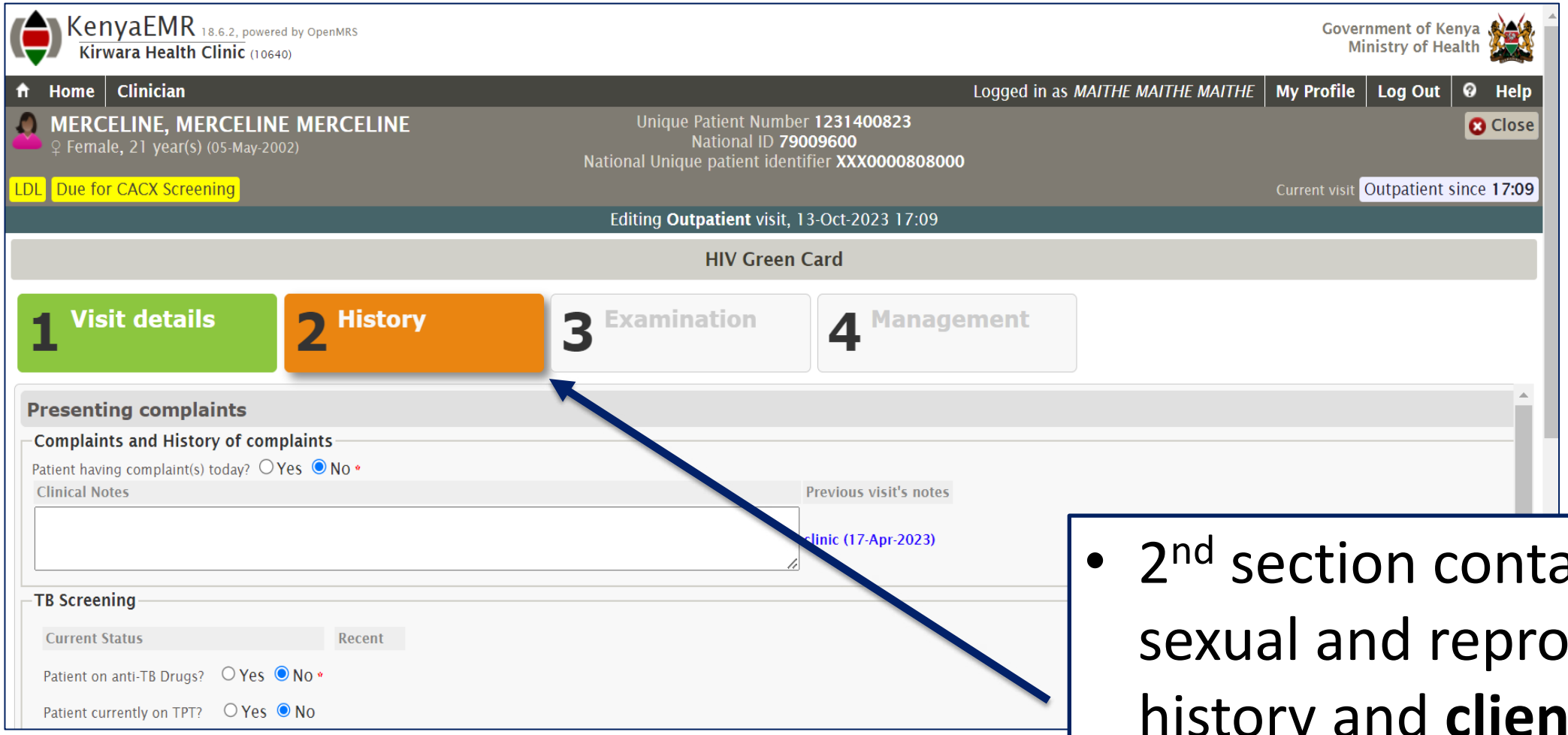
Kenya HIS Coverage Distribution - PLHIV Coverage



- **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

1

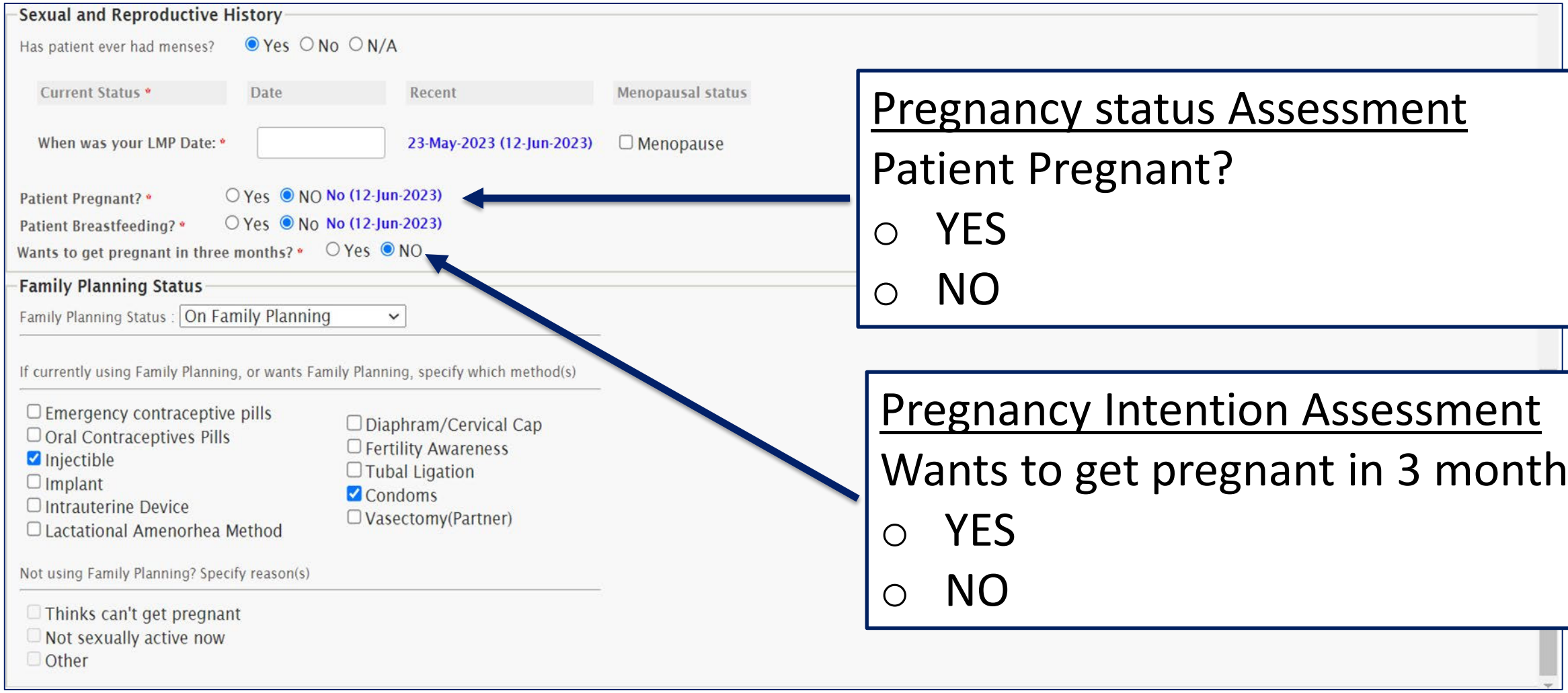
Kenya EMR: Clinical Encounter Form (Green Card)



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

2

Kenya EMR: Clinical Encounter Form (Green Card)



Pregnancy status Assessment

Patient Pregnant?

- YES
- NO

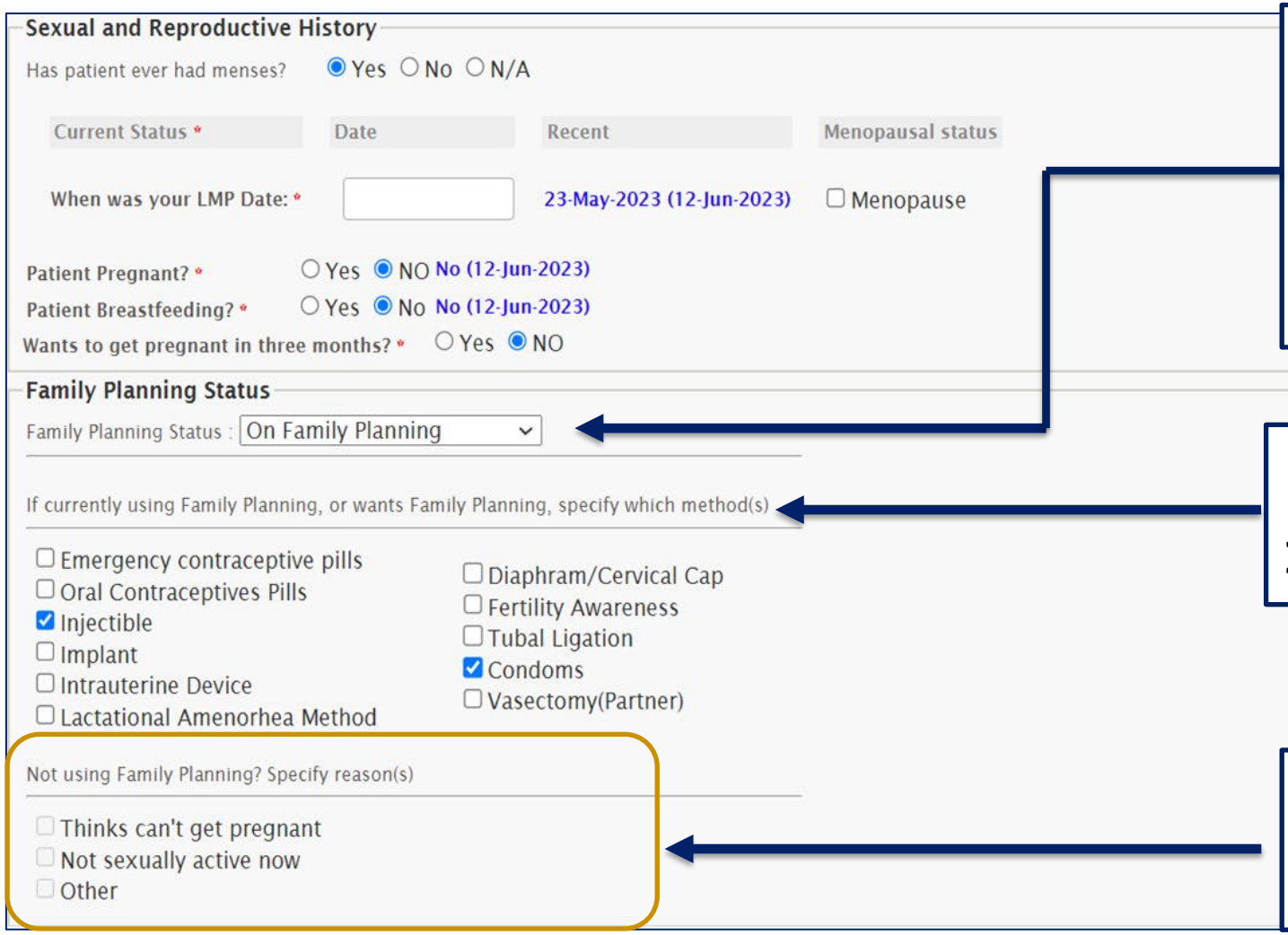
Pregnancy Intention Assessment

Wants to get pregnant in 3 months?

- YES
- NO

3

Kenya EMR: Clinical Encounter Form (Green Card)



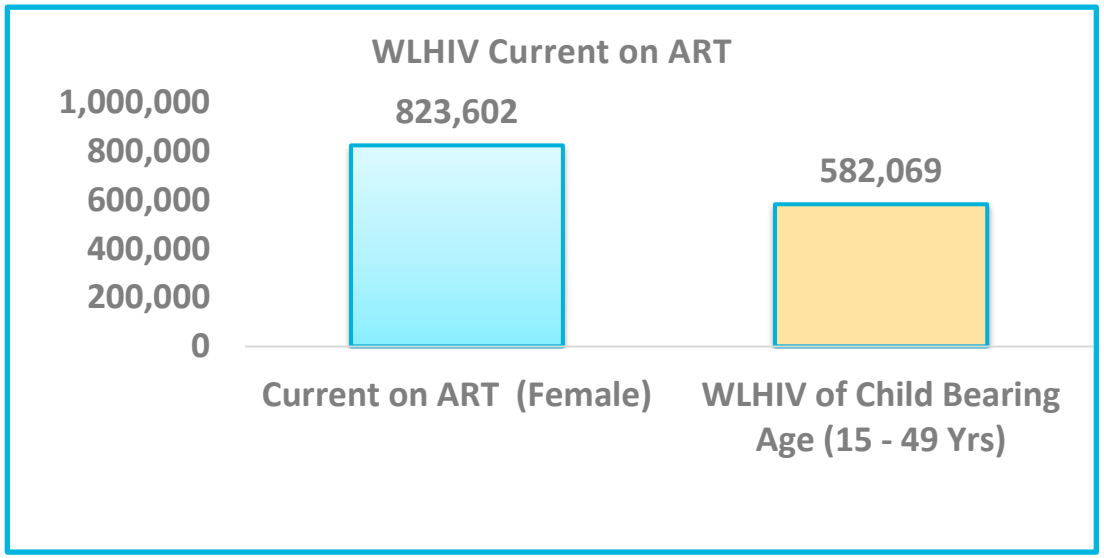
Family Planning Status:

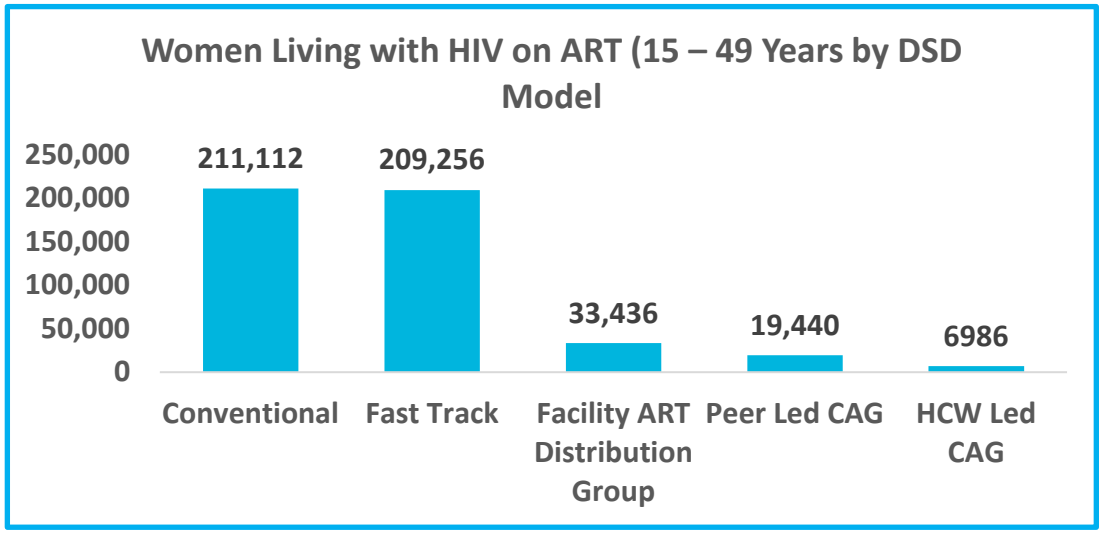
- On family planning
- Not using family planning
- Wants family Planning

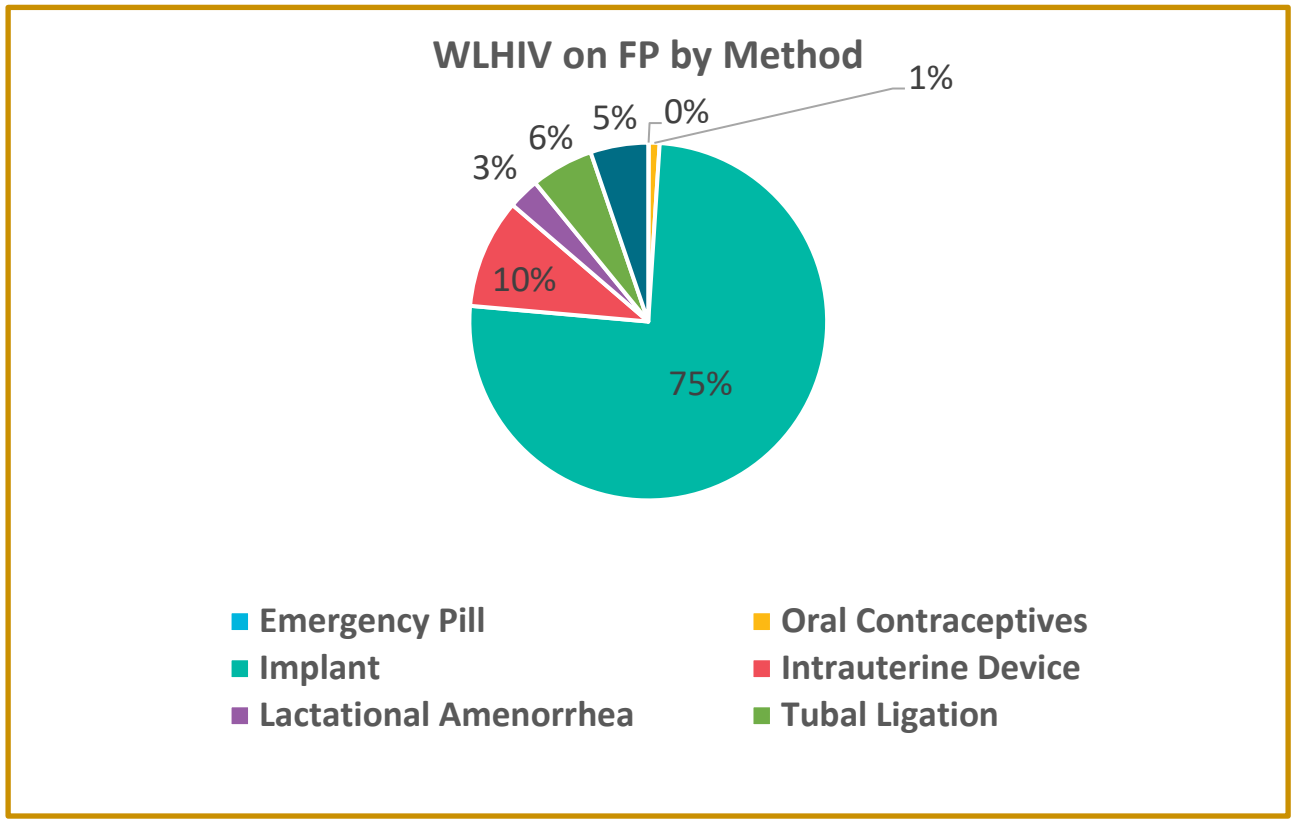
If on/wants FP
>> Method specified

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)**

Source: Kenya NDWH

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

icap Global Health 20 YEARS

THE CQUIN NETWORK

www.cquin.icap.columbia.edu

Thank you!