



Differentiated HIV Service Delivery: Optimizing Person-Centered HIV Services

Mozambique

Isidoro Nobre¹, Irénio Gaspar¹, Morais da Cunha¹, Eudoxia Filipe¹, Guita Amane¹, Orrin Tiberi¹, Aleny Couto¹

¹National Control Program for HIV/AIDS and STIs, MoH Mozambique



BACKGROUND

- Pre-COVID, the coverage of DSD models was sub-optimal. However, due to the epidemic, there was massive DSD model scale-up that led to the enrolment of more than half of the PLHIV on ART to less intensive DSD models within 12 months.
- In March 2023, the second edition of the DSD guide was released to reflect the current context and international recommendations.
- DSD is integrated into the Care and Treatment Technical Working Group (TWG), which consults with providers as needed. Recipient of care (RoC) representatives are permanent members of both the Prevention and Care and Treatment TWGs.
- In 2024, some of the DSD models including AHD and 6MMD have been expanded and their coverage will continue to increase.
- The focus for the HIV program is to take to scale current DSD strategies, revision of policies and guidance documents including SOPs.

DSD IMPLEMENTATION

Figure 1: DSD Model Mix: Trend Over Time, 2022-2024

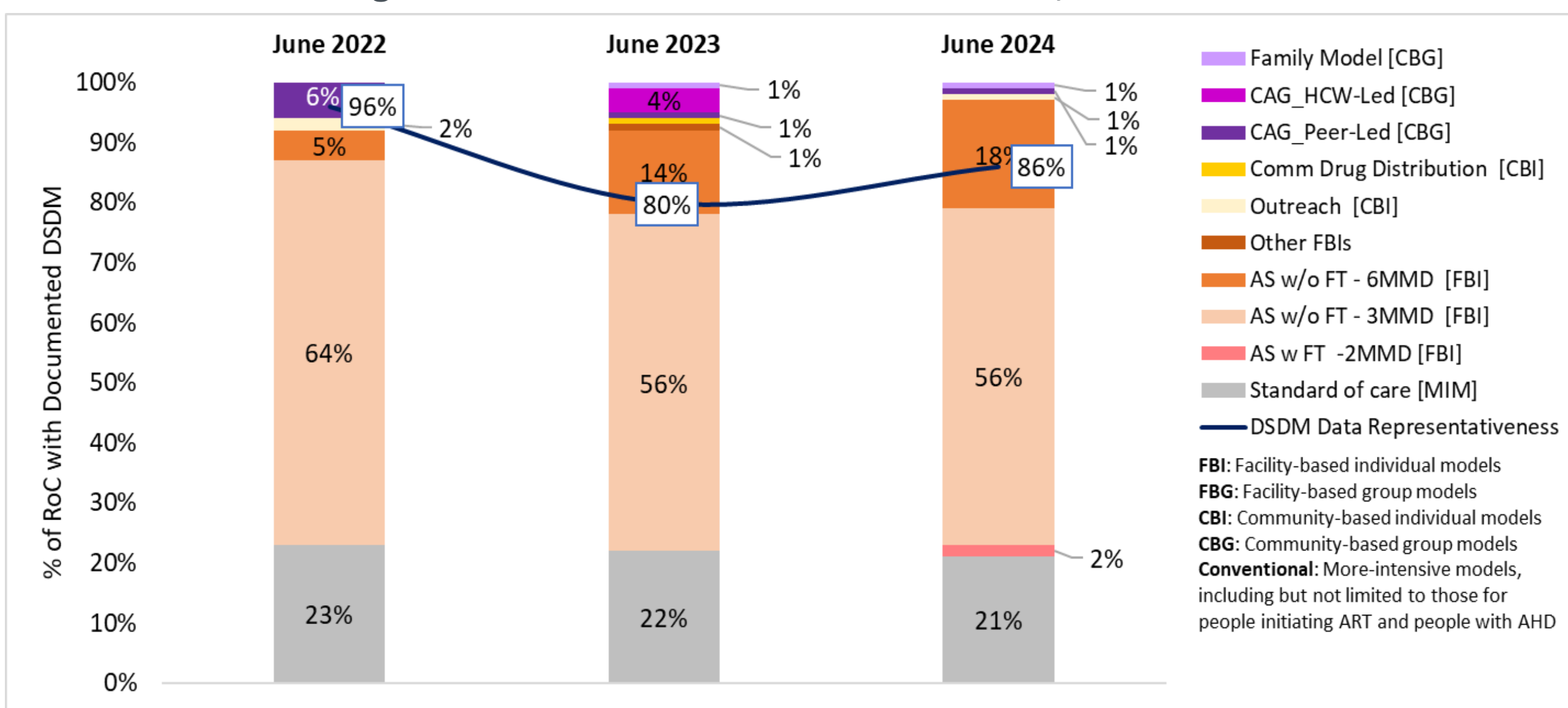
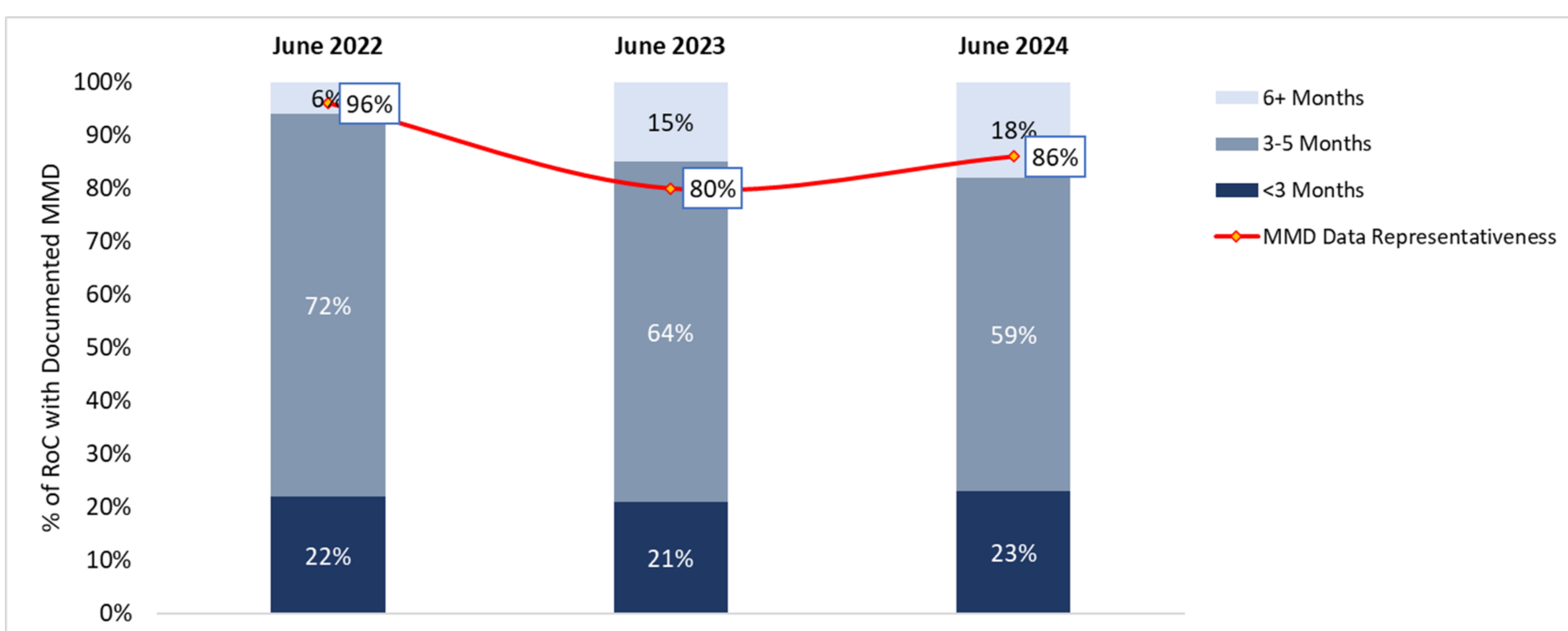


Figure 2: Multi-month Dispensing (MMD): Trend Over Time, 2022-2024



Mozambique currently has 20 different DSD models. RoC can either be in a less-intensive or more-intensive model. Less-intensive models include ROC receiving 3MMD and 6MMD which make up the vast majority (~77%) of ROC in the country. Noteworthy, in Mozambique, an individual can be in more than one DSD model.

The growth of the 6+MMD has resulted in the reduction in 3-5MMD, which is well illustrated between 2022 and 2023.

Currently, the various DSD models are implemented in 100% [1,785] of the HF providing ART services. DSD coverage data is representative of 86% of the national TX_CURR as at end of June 2024 where 77% of PLHIV are in less-intensive DSD models.

CQUIN ENGAGEMENT AND ACHIEVEMENTS

Mozambique is an active participant of CQUIN's communities of practice including M&E, TB/HIV, MCH, HIV/NCD, Quality, and QI. In the 2024 DSD performance review (DPR), an EMR data pull was conducted that generated a sample size of 62,291 from 11 provinces and 69 HF. Additionally, a harmonized support supervision tool to assess adherence to guidelines by facility staff has been utilized.

Within the past two years, Mozambique has shared its DSD experience in CQUIN annual meetings as well as other learning exchange fora, allowing for cross-learning and knowledge diffusion within the learning network. Through these learning exchange platforms, we have been able to better address AHD implementation and supply chain challenges, identify solutions for HIVST coverage and EMR data use for DPRs as well as inform routine DSD implementation progress.

DART CAPABILITY MATURITY MODEL TRENDS (2022-2024)

Figure 3: DART CMM Trends (2022-2024)

| Domains | 2022 | 2023 | 2024 |
|-------------------|------------|------------|------------|
| Policies | Dark Green | Dark Green | Dark Green |
| Guidelines | Dark Green | Dark Green | Dark Green |
| Diversity | Dark Green | Dark Green | Dark Green |
| Scale Up Plan | Red | Red | Yellow |
| Coordination | Dark Green | Dark Green | Dark Green |
| Community | Red | Dark Green | Dark Green |
| Training | Dark Green | Dark Green | Dark Green |
| M&E System | Red | Yellow | Yellow |
| Procurement | Dark Green | Dark Green | Dark Green |
| Facility Coverage | Dark Green | Dark Green | Dark Green |
| Client Coverage | Dark Green | Dark Green | Dark Green |
| AHD | Red | Red | Yellow |
| Key Populations | Red | Red | Red |
| TB/HIV | Red | Dark Green | Dark Green |
| MCH | Red | Red | Red |
| NCD/HIV | Red | Red | Red |
| Family Planning | Red | Red | Red |
| Quality | Yellow | Yellow | Dark Green |
| Impact | Dark Green | Dark Green | Dark Green |

Figure 3 shows the results of the country team's recent self-assessment using the CQUIN DART capability maturity model for years 2022, 2023 and 2024. In 2024, Mozambique achieved the most mature stage (dark green) in 10 domains, while 3 domains remained in the least mature (red) stage.

Over the past 12 months, the team has worked tirelessly to improve differentiated treatment maturation for both the enabling and outcome domains with the major improvement seen in the Quality domain following roll out of the harmonized support and supervision tool.

AHD CAPABILITY MATURITY MODEL SELF-STAGING

Figure 4: AHD CMM Results, 2024

| | |
|-------------------------|------------|
| Policies | Dark Green |
| Guidelines | Dark Green |
| AHD Scale-up Plan | Dark Green |
| SOPs | Dark Green |
| Coordination | Dark Green |
| Training | Dark Green |
| M&E System | Dark Green |
| Quality | Dark Green |
| ROC Engagement | Yellow |
| Diagnostic Capability 2 | Yellow |
| Client Coverage 2 | Yellow |
| Client Coverage 3 | Yellow |
| Client Coverage 4 | Yellow |
| Supply Chain | Yellow |
| Diagnostic Capability 1 | Red |
| Facility Coverage | Red |
| Client Coverage 1 | Red |
| Impact | Red |

Figure 4 shows the country's recent self-assessment using the CQUIN AHD capability maturity model. In 2024, Mozambique achieved the most mature staging (dark green) in 8 domains, while 2 domains remained in the least mature (red) stage.

Great improvements were demonstrated with the coordination and scale-up plan domains. However, there are still challenges in deepening AHD coverage, impact as well as diagnostic capability which will undoubtedly be in the year 2025 action plan.

dHTS CAPABILITY MATURITY MODEL SELF-STAGING

Figure 5: dHTS CMM Results, 2024

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

Figure 5 shows the results of the country's recent self-assessment using the CQUIN dHTS capability maturity model. In 2024, Mozambique achieved the most mature staging (dark green) in 9 domains, while 3 domains remained in the least mature staging (red).

The dHTS training package has been updated to align with the national guidelines and a national training has been conducted. However, there are still data limitations in linkage to treatment verification and linkage to prevention services.

NEXT STEPS/WAY FORWARD

The most important goals for 2025 are:

- Training of lay providers to increase the demand for DSD models in the HF and the community
- Add key DSD model variables to the routine M&E system for effective tracking of DSD implementation
- Finalize the DSD model implementation plan with the sustainability agenda, deepen the client-centered approach, HIV prevention, care and treatment and integrated services (i.e., HIV self-testing, PrEP, AHD, MMD, etc.) in accordance with the NSP