

Kenya Case Study Leveraging on EMR for DSD Monitoring

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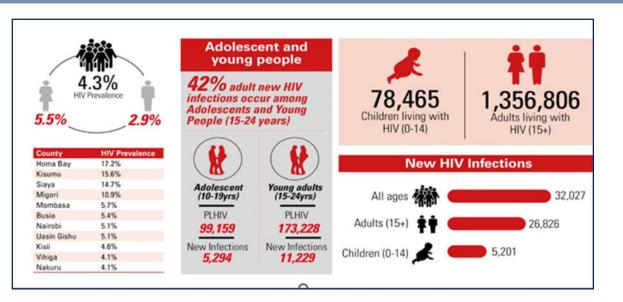


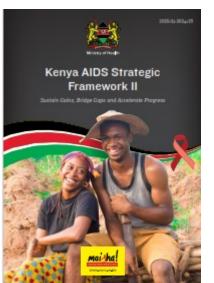
Presentation Outline

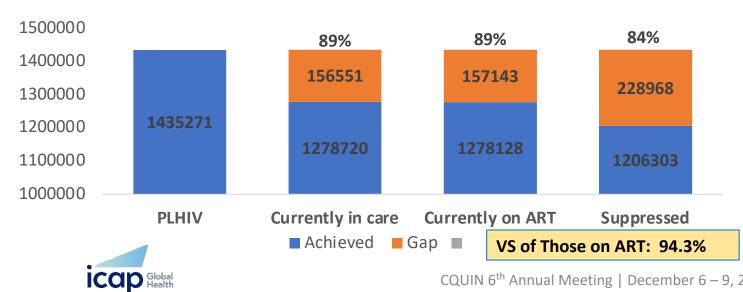
- Background, policy & guidances
- Overview of national data reporting systems for HIV
- HIS/EMR distribution and patient coverage
- Data flow for DSD, EMR Dashboards
- Challenges
- Next steps for scale up



Overview - Kenya HIV Epidemic







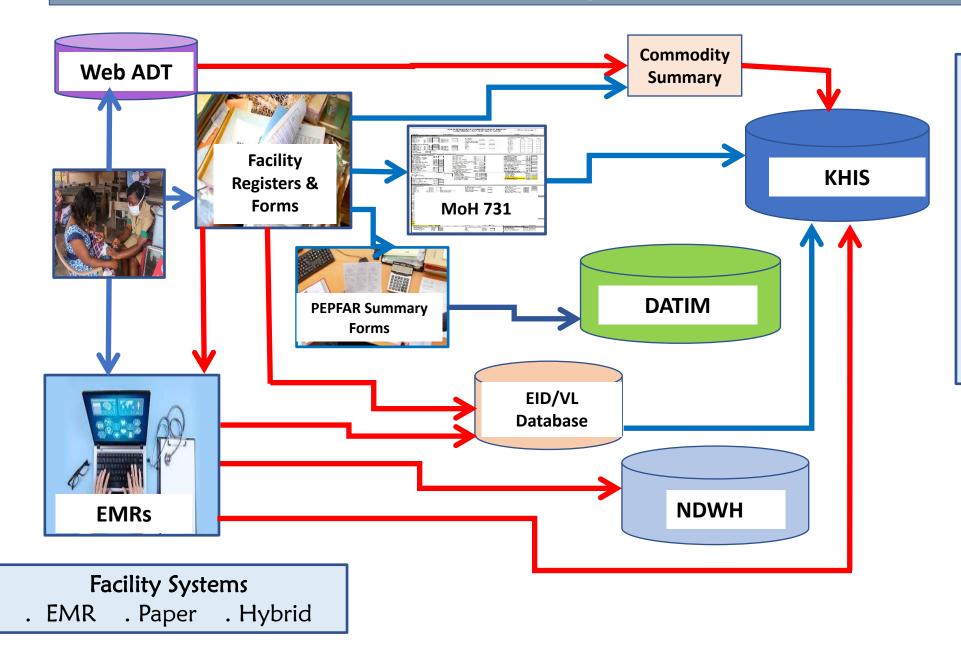
- 1.43 Million estimated Persons Living with HIV in Kenya (HIV estimates 2021)
- > 1.27 Million on ART
- 94.3% overall viral suppression on ART (children lag behind, 89.3% comp. to adults, 95.5%)



Kenya HIS Policy Environment

- Health Act, 2017
- Data Protection Act, 2019
- National eHealth policy and strategy
- eHealth Strategy 2019 2024

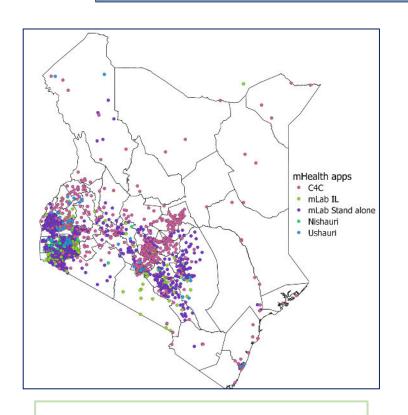
Kenya - HIV Reporting & Data Flow Systems

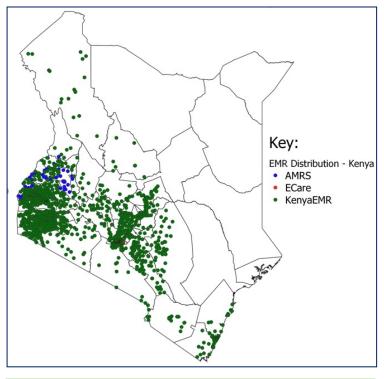


National Repository/Databases

- KHIS (Aggregate Data)
- NDWH (Patient Level Data)
- EID/VL Database (Patient Level Data)

Kenya - HIS Distribution and PLHIV Coverage





mHealth Apps Distribution

- 982 mLab sites
- 544 Ushauri Sites
- 1,044 Active eHTS Sites;
 91% have data in NDWH

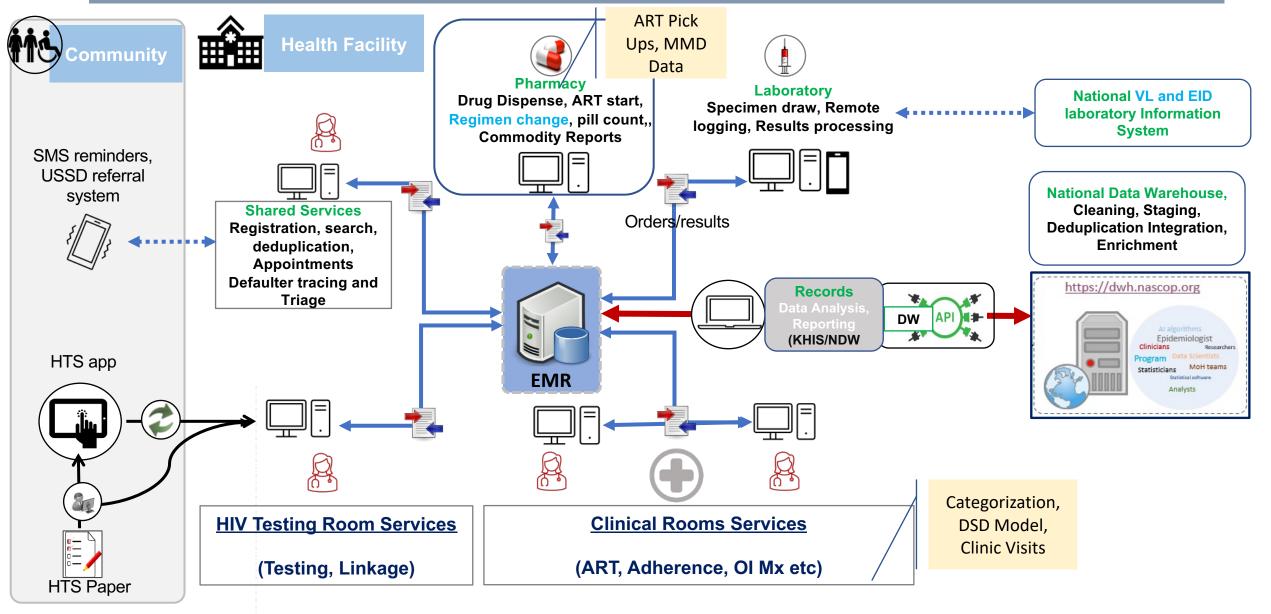
EMR Distribution

- 1,690 Active EMR Sites
- 1,658 Active Kenya EMR Sites
- >90% of EMR sites reported to NDWH

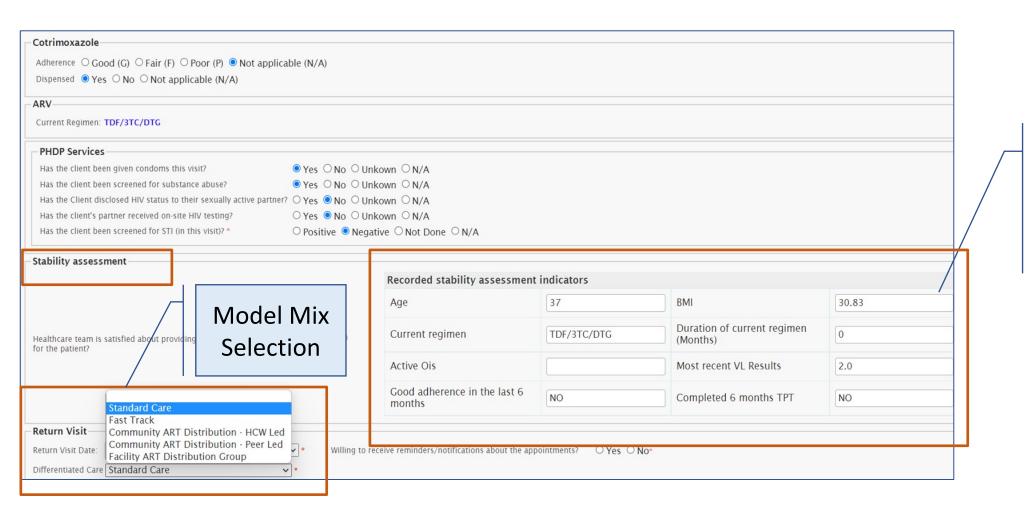
- Active PLHIV as of September
 2022
- 94% (1,143,401) of Current on ART Patients were seen at a site with an EMR
- 98% (1,103,564) of Current on ART Patients seen at EMR Sites had records in DWH
- 85% (1,049,431) of all active ART Patients have records in DWH

Opportunity to leverage on good coverage of EMR for ART patients for reporting, analysis of patient level data including DSD

Integrated Electronic Data Flow for HIV Services

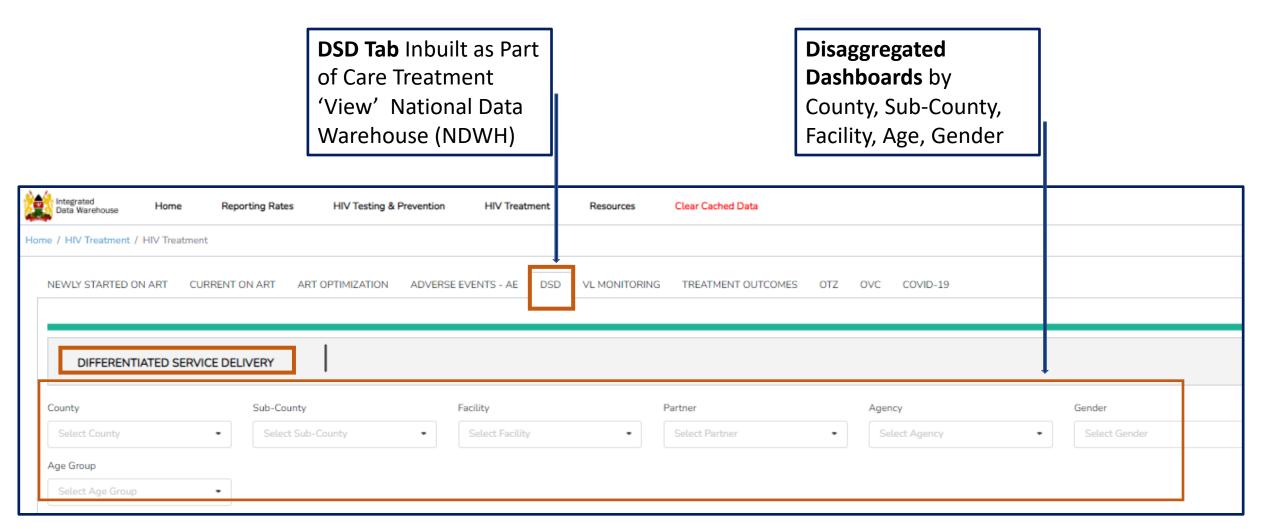


DSD Data Entry Window - at Facility EMR



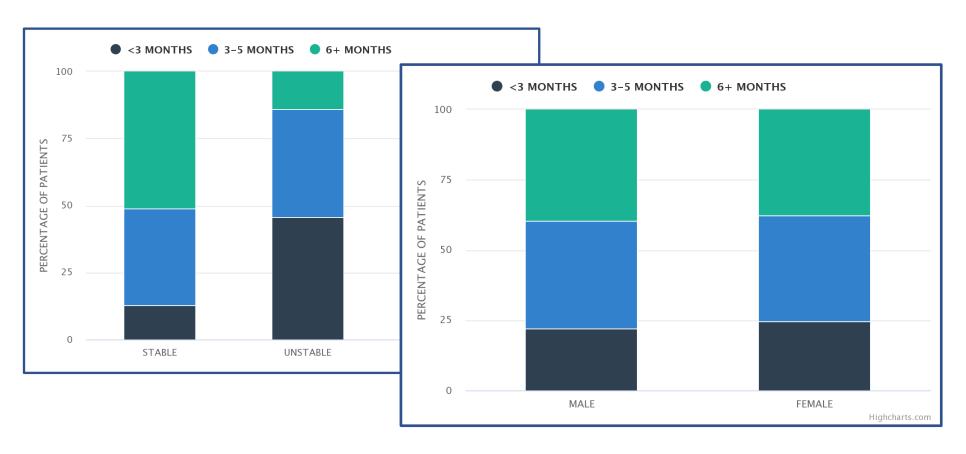
Entry of Stability
Assessment
Variables

Kenya - National Data Warehouse (NDWH) DSD Dashboards





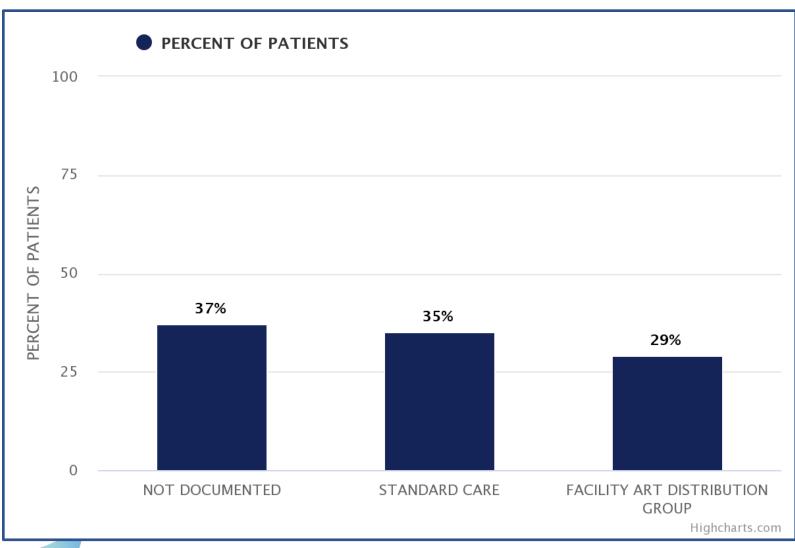
Kenya - National Data Warehouse (NDWH) DSD Dashboards - MMD



- PLHIV on ART MMD
 Data Disaggregation
 - Stability Status
 - Gender
- Addressing documentation gaps to report dispensing as opposed to scripting



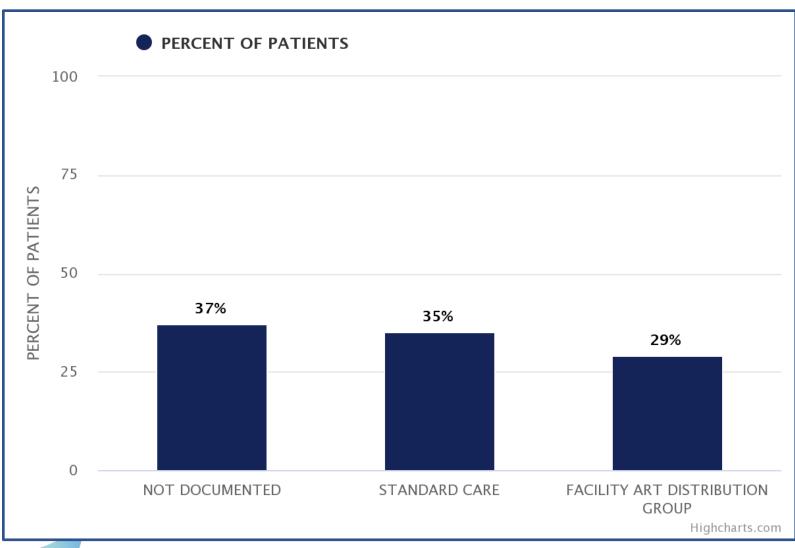
Kenya - National Data Warehouse (NDWH) DSD Dashboards – Model Mix



 Documentation gaps
 ROC with undocumented models



Kenya - National Data Warehouse (NDWH) DSD Dashboards – Model Mix



 Documentation gaps
 ROC with undocumented models



Challenges

- Documentation gaps client categorization, missing data on DSD eligibility eg TB/OIs
- Late uploads of current data from the facility EMRs to the National Datawarehouse
- Difficulties by service providers in documenting clinic visits and drug pick ups resulting in data quality between pharmacy and clinic records



Next Steps/Plans to Improve EMR Utilization for DSD

- Update the EMR module and NDWH dashboards to align with the HIV Prevention and Treatment Guidelines 2022 - criteria for established on ART, expanded DSD model mix
- Enhance dashboards to visualize outcomes by model type viral load suppression, retention
- Institutionalize use of EMR DSD data for decision making at all levels national, county, facility
- Continuous TA to facilities to improve EMR documentation
- Finalization of adoption of National Unique Patient Identifier (NUPI) -Ongoing



Acknowledgements













Thank you!

