



**PEPFAR**

U.S. President's Emergency Plan for AIDS Relief

# **COP21 Focused Discussion: Data for Decision-Making**

**February 2, 2021**

Internal Use Only

## Data Quality & Use Objective(s)

- Ensure existence of robust national structure for measuring and improving data quality
- Support transition to modernized approaches for data management/visualization
- Proposed budgets and TA specifically focused on strengthening MISAU ability to address data quality and use (not focused on IP systems)

## COP20 Activities - Progress

- **MISAU/PEPFAR Data Quality Assessment (DQA)**
  - Standard Operating Procedures for indicator result verification currently being finalized
  - COVID-19 infection control measures currently under review by PNC ITS-HIV/SIDA
  - Provisional schedule for DQA field work drafted and under review by PNC ITS-HIV/SIDA
  
- **TA for development of HIV analytic dashboards**
  - Project Terms of Reference reviewed and commented on by MISAU (both PNC ITS-HIV/SIDA & DPC were engaged in review)
  - Consultant and field support team identified and sub-contracted

## COP21 Activities - Proposed

- **MISAU/PEPFAR Data Quality Assessment (DQA)**
  - Proposal to continue funding for national DQA round
  - TWG suggestion to consider complementary activities for Data Quality Improvement to be implemented at the HF level
  
- **TA for development of HIV analytic dashboards**
  - Proposal to include reduced funding for FY22
  - Proposed scope to build on FY21 work focusing primarily on transition of responsibilities/competencies related to automated data processing and dashboard generation

## Challenges

- COVID-19 continues to be a challenge in safe planning of centrally delivered TA (for example in conducting DQA's)



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# Surveillance

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# COP 20 Surveillance Activities

1. **INSIDA / PHIA:** Protocol implementation to estimate progress towards the 95-95-95 targets
2. **HIV Case-based Surveillance:** Demonstration project to establish system with national expansion envisioned
3. **Key Population Mapping and Size Estimation:** Protocol implementation to inform future KP programming and surveillance activities
4. **Health and Demographic Surveillance System-Polana Canico:** General population surveillance with assessment of HIV/STI prevalence and mortality
5. **National Health Observatory:** Development of scientific products to inform public health decision-makers
6. **UNAIDS:** Production of national, provincial, and district HIV estimates and related strategic information activities

# COP21 Surveillance Activities

1. Continuation of all activities
2. Data analysis and dissemination of results of PHIA and KP mapping protocols
3. Potential additional activities:
  - HIV Seroprevalence and Behavioral Risk Survey (SABERS) in the military
  - HIV drug resistance surveillance utilizing remnant samples from ART patients who are failing TLD
  - Biobehavioral surveys (BBS) in key populations: prisoners and people who inject drugs
  - HIV-related mortality surveillance



# COP21: Opportunities for Alignment

## 1. INSIDA/PHIA

- Key findings are expected in December 2021, during the same period of time that COP21 implementation will be beginning
- Opportunity to apply INSIDA results to program implementation in COP21

## 2. Key Populations Surveillance and Programming

- Production of KP mapping and size estimation data
- Opportunity to align KP programmatic activities and future surveillance activities, such as BBS

## 3. UNAIDS

- Production of HIV estimates, piloting of community-led monitoring tools, implementation of HIV Situation Room
- Opportunity to align strategic information data collection, analysis and use across donors, government partners, and other stakeholders

# COP21: Challenges

- Possible delay in survey data collection and other field activities due to COVID-19
- Limited resources to support specific activities (e.g. National Health Observatory)

# Activity Summary

AS/ Surveillance Activity	COP20 Progress	COP21 Activities
INSIDA / PHIA (Note: central PEPFAR funding)	Implementation in COP20 with preliminary results for COP22 planning	Data analysis, report writing, dissemination of findings
HIV case-based surveillance demonstration	System design, protocol approval, site selection, and initiation of case surveillance	Geographic expansion and increase in number of cases captured
Key population mapping and size estimation	Protocol approval and data collection, preliminary data analysis	Data analysis, report writing, dissemination of findings
Health and demographic surveillance system, Polana Canico	Surveillance Round II, Round I data analysis and report writing	Implementation of HIV/STI surveillance
National Health Observatory	Regular publication of scientific products on retention, HIV-related mortality and viral load suppression	Continue regular publication of scientific products using MozART 2.0 and other datasets
UNAIDS	Preliminary Spectrum estimates produced and some SI activities implemented	HIV estimates, HIV Situation Room, use of community-led monitoring data to inform implementation



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# Health Information Systems

**January, 2021** Internal  
Use Only

# PEPFAR Health Information Systems

- PEPFAR HIS supports the Ministry of Health and PEPFAR to provide high quality care to HIV patients in Mozambique by:
  - Developing sustainable, low cost, data collection systems for patient and program monitoring
  - Connecting systems to improve the completeness and timeliness of data
  - Providing high quality data for dissemination for public health action
  - To improve the information systems infrastructure of Mozambique

# PEPFAR Health Information Systems

- **COP20 Activities**
  - Electronic Patient Tracking System (EPTS) support
  - EPTS centralization
  - Installation of Centralized EPTS for SERNAP
  - Mozart I and Mozart II revisions
  - iDART pharmacy support
  - iDART mobile support
  - iDART expansion
  - Dreams Layering Tool support
  - GBV eIDM system support
  - CDC VMMC system support
  - Interoperability implementation and support
  - NUIC (national unique identifier) registration for children
  - SESP-TR (EMR System) Retirement
  - Helpdesk
  - SOPs to ensure PEPFAR supported systems and data are protected and secure
  - Capacity Building

# PEPFAR Health Information Systems

- **COP20 Activities – Progress**
  - EPTS support
    - Four quarterly releases
    - Enhancements included Cancer Forms, PrEP, FILT
    - New Reports for MISAU – Melhoria de Qualidade, Key Population, SISMA Resumo Mensal, Resumo Coortes, APSS, Intensive Monitoring, PEPFAR MER SemiAnnual and Quarterly Report for program monitoring
    - Updates to reports for implementing partners to include new tools
  - EPTS centralization
    - Centralization of EPTS in at the provincial level to improve patient identification and reduce maintenance costs; EPTS will be installed at the DPS to ensure data is under the ownership of MISAU and to facilitate system ownership
    - A national EPTS at DTIC
  - Installation of Centralized EPTS for SERNAP
    - Supports key populations

# PEPFAR Health Information Systems

- **COP20 Activities – Progress**
  - iDART pharmacy support
    - 4 Quarterly Releases
      - Offline interoperability between iDART and OpenMRS
      - Improvement of FARMAC functionality for iDART, before the introduction of iDART mobile
      - New MMIA (Updated in the context of ARVs and COVID-19)
      - Updated ARV regimen and products as directed by CMAM
  - iDART mobile support
    - Creation of a mobile version of iDART for use in private and PHARMAC pharmacies
  - iDART expansion
    - Installation of iDART pharmacy system in health facilities with sufficient building infrastructure (n=257)
  - Interoperability implementation and support
    - iDART / EPTS
    - DISA/EPTS
    - SirCEV – MDGH



# PEPFAR Health Information Systems

- **COP20 Activities – Progress**
  - NUIC
    - Registration of 1,000 children
  - SESP Retirement
    - Code base provided to Ministry of Health
    - Computers repurposed for iDART expansion
    - Computers transitioned to Ministry of Health
  - Helpdesk
    - 200+ help desk requests annually
    - Standardized user manuals
    - Standardized training materials
  - SOPs to ensure PEPFAR supported systems and data are protected and secure
    - EPTS and IDART Backup and Encryption of Data
    - iDART “in transit” patients SOP
    - Securing patient clinical charts in movement
  - Capacity Building
    - Open MRS academy
    - Infrastructure support for systems

# PEPFAR Health Information Systems

- Proposed COP21 Activities
  - Continue the following:
    - EPTS support
      - 4 quarterly releases
      - Inclusion of additional MISAU, PEPFAR and clinical partner reports
      - PrEP module
      - ATS module
      - TB and ARV formulations
    - EPTS centralization
      - Centralization in additional 2 provinces
    - Mozart
      - Maintenance and revision of data transfer to align with EPTS updates
    - iDART pharmacy and mobile support
      - Addition of TB drug and PreP medications
    - iDART expansion
      - Expansion to additional 80 health facilities

# PEPFAR Health Information Systems

- Proposed COP21 Activities
  - Continue the following:
    - Dreams Layering Tool support
      - Inclusion of reports
      - Data extraction for partner monitoring
      - Mobile application
    - GBV eIDM system support
      - Support and Transition of system to MISAU
    - CDC VMMC system support
      - Support of system
    - Interoperability implementation and support
      - iDART/ EPTS , iDART/SIGLUS (NEW)
      - DISA/EPTS
      - DISA/SISMA (NEW)
      - SirCEV – MDGH
    - NUIC registration for children
      - Registration of an additional 1000 children
    - Helpdesk
    - SOPs
    - Capacity Building
  - Integration of Predictive Analytic plugin to Open MRS (NEW)

# PEPFAR Health Information Systems

- ## Challenges

- The addition of forms has increased the data entry burden
- iDART scale up delayed due to COVID
- iDART scale up delayed to due challenges with health facilities infrastructure (lack of security, space for computer, lack of electricity or internet)
- Many reports in EPTS for MISAU and PEPFAR, but very few reports to assist implementing partners in the field
- Coordination with Global Fund and other donors regarding systems support
- Never enough resources to accomplish everything!