State of HIV Epidemic in Rwanda.
Current Rwandan HIV Epidemiology

**HIV Prevalence**
- General Population = 3.0%
  - Men = 2.2%
  - Women = 3.6%
  - Pediatrics (0-14) = 0.2%

**Key Populations**
- FSWs = 45.8%
- MSM = 4.0%

**HIV Incidence**
- General Population = 0.27/100 pyrs
  - Men: 0.21 per 100 pyrs
  - Women: 0.32 per 100 pyrs

- MTCT = 1.5% **

- Male circumcision = 30% **

Source:
** Lancet HIV, 2017
*** HIV Annual Report, 2016-2017
**** Rwanda Demography Health Survey (DHS), 2014-15
New HIV Infections and AIDS Deaths in Rwanda
Demographics of PLHIV in Rwanda
Trend in Percent of HIV Infected Pregnant women, HMIS 2015-2017

- 2015: 2.91%
- 2016: 2.84%
- 2017: 2.77%
HIV Prevalence among FSW, BSS-2015

Overall Prevalence: 45.8%
HIV cascade of Care in Rwanda, May 2018

- 224,664 PLHIV
- 198,020 (88%) of PLHIV identified
- 186,868 (94.4%) of PLHIV identified
- 169,695 (91%) of PLHIV on TX are VL suppressed

* 1 Source: EPP Spectrum 2018
* 2 Estimated using EPP Spectrum, DHS and HMIS
* 3 Source: HMIS
* 4 Source: PEPFAR Supported sites
HIV cascade of Care in Rwanda (Adults & Adolescents), May 2018

- % of PLHIV Identified: 88% (Adults), 79.6% (Adolescents)
- % On ART of PLHIV identified: 94.4% (Adults), 84.4% (Adolescents)
- % of PLHIV on ART who are Virally Suppressed: 91% (Adults), 80.0% (Adolescents)

Source:
* Estimated using EPP Spectrum, DHS and HMIS
** HMIS
*** PEPFAR Supported sites, Health Records
Priorities for the 1\textsuperscript{st} 90

**Targeting Populations**
- Key and priority populations, pregnant women and their partners, and discordant couples
- Index case testing for partners and family members of newly identified PLHIV
- Urban areas
- Reduction in VCT and PITC

**New Approaches**
- Case findings for new HIV+
- Expand outreach testing in hotspot areas
- STI clients referred from pharmacies for testing
- Self testing
- Strengthen linkages to care

**M&E**
- Monthly review of testing progress and yield, with shift to other hotspots as needed
- Monthly analysis of new HIV cases, especially recent cases
- Case based surveillance
Trend of HIV Seropositivity by age group, HMIS 2015-18
1st 90: HIV Testing

Number of HIV Tests 2015-16 and 2016-17

HIV Seropositivity by testing facility
New HIV Positive Identified and Female Sex Workers Hotspots, 2017

Legend
- FSWs Hotspots
- National Roads

HIV Positive
- 2817 - 2894
- 2895 - 4953
- 4954 - 7263
- 7264 - 9713
- 9714 - 21873
Priorities for the 2nd 90

**Targeting Populations**
- Key populations, adolescents, pediatrics, young women and adult men

**New Approaches**
- Treat All
- Differentiated Service Delivery Model (DSDM)
- Community approach to improve adherence
- Adolescent friendly services
- Improved Mentorship

**M&E**
- Enhanced M&E for DSDM
- Implement Electronic Medical Records (EMR)
- Implement Unique Patient ID and Health Information Exchange
Priorities for the 3rd 90

**Targeting Populations**
- All patients on ART
- Patient treatment failure
- Patients with low suppression rates (adolescents, children, adult men)
- Focus groups (pregnant women, key populations, disc. couples)

**New Approaches**
- Community support
- Strengthen viral load monitoring

**M&E**
- System interoperability (EMR and eLIS)
- Implement Electronic Medical Records (EMR)
- Implement Unique Patient ID and Health Information Exchange
Viral Load Testing Satellite Labs
Future Challenges for Rwanda

1. **Resources**: Declining external funding

2. **Female Sex Workers**: High HIV prevalence among female sex workers (45.8%) leading to a high incidence rate (2.7/1,000 py)

3. **Children, Adolescents and Young Adults**: Low treatment coverage among children, adolescents, and young adults
Thank You