TB Diagnostic Network Assessments

SRL-Uganda Experience
Presentation Outline

• SRL Network
• Mandate of SRL-Uganda
• Enablers and Barriers for TB DNA
• Uganda TB DNA experience
SRL Network

Established in 1994

• Provide technical resource for laboratory scale-up and capacity development

• Composed of 32 SRL and 2 Candidate SRL (Africa)
Implementation approach
Mandate of SRL-UGANDA

- Assist NRLs and (NTPs) implement WHO policy guidance on TB diagnostics
- Provide standardized external quality assessments
- Facilitate sharing of standardized technical reports
- Co-ordinate comparative evaluations of diagnostic tests
- Advocate with NTPs to help ensure capacities for the diagnosis and treatment of TB and drug resistant TB are aligned.
- Oversee the pathway for the development and implementation of standardized protocols
- Support reviews and assessments of the TB diagnostic networks
SRL-Uganda supported countries

ECSA Member States
- Kenya
- Lesotho
- Malawi
- Mauritius
- Swaziland
- Tanzania
- Uganda
- Zambia
- Zimbabwe

Other Countries
- Burundi
- Botswana
- Eritrea
- Mozambique
- Namibia
- Rwanda
- Liberia
- South Sudan
- Seychelles
- Somalia
- Ethiopia
- Madagascar
- Comoros
TB DNA coverage

SRL-Uganda has supported TB DNA in 12 Countries

AFRICA (10)
- DRC
- Ethiopia
- India
- Kenya
- Malawi
- Nigeria
- South Africa
- Tanzania
- Zimbabwe
- Uganda

OTHERS COUNTRIES (2)
- Cambodia
- India
ENABLERS FOR SRL TO SUPPORT TB DNA
• A Decade of support to low and middle income countries

Positioned to support implementation of resulting recommendations through:

• Advocacy and resource mobilization
• Policy development and strategic planning
• Capacity building
Established strategic partnerships
Experienced Personnel with skill-mix to match the DNA agenda - winners
Barrier to conducting the TB DNA

- Limited knowledge of benefits
- Political and social will
- Limited systems to monitor implementation of recommendations
Way forward-Regional contexts

1. Support TB DNA to remaining countries

2. Review countries progress toward attaining recommendations

3. Advocate for funding to address the recommendations

- Regional interventions
- Country interventions
Uganda Experience in TB Diagnostic Network Assessment
TB DNA was conducted in Aug 2019

FIVE KEY INTERVENTIONS PROPOSED

1. **Accelerate implementation** of the 2019 TB diagnostic algorithms and monitor progress

2. Simplify, refocus and reinvigorate **supportive supervision**

3. Expand the **accessibility** and **promptness** of Xpert MTB/RIF Ultra testing

4. Strengthen **data collection** and **analysis** to measure the effect of interventions

5. Develop end-to-end integrated interoperable **connected systems** and deploy **electronic data systems** across all diagnostic and laboratory levels
Progress thus far

NTP/NTRL developed a strategic plan aligned to each intervention:

• The country developed and deployed **LabXpert connectivity solution** to all mWRD platforms

• Streamlined **monitoring and evaluation** systems at the NTLP

• Intensified district trainings to conduct ACF

• Increased mWRDs **coverage and access** from 263 to 320 GeneXpert machines, 40 Truenat and 16 TB LAMP.
  • Implementing **multi-disease testing** using GeneXpert

• Piloted **Clinical Laboratory Interface** to;
  • Improve Linkage to testing
  • Improve Linkage to treatment
  • Improve treatment outcomes
Outcome of DNA to Uganda TB program

• Increase in treatment coverage from 75% in 2019 to 105% in 2022

• Increased access to WRDs among notified cases from 49% in 2019 to 70% in 2022

• Increase in bacteriological confirmation from 50% in 2019 to 64% in 2022

• Increase of bacteriologically confirmed TB cases tested for Rifampicin resistance from 45% in 2019 to 74% in 2022

• Increase DR case finding from 37% in 2019 to 54% in 2022
• Ameseginalehu!
• Thank you!!
• Asente sana!!
• MERCI!!
• Obrigado!!