Experiences with linking NTP and RMNCAH services in Uganda

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Pediatric TB Coordinator - NTLP, MOH
Annual meeting of the Child and Adolescent TB working group
9th October 2017
Childhood TB as an entry point to linking NTP and RMNCAH

Guided by Data

- A baseline assessment (2014/15) conducted by the NTP indicated:
  - Limited TB services provision across the entire health facility care cascade
  - Centralization of TB services
  - Limited health worker capacity to identify patients with or at risk for TB
  - Weak referral and linkage mechanisms

- Findings informed the interventions
Childhood TB in the MOH

- National Disease Control
  - NTLP
  - ACP
  - Malaria

- Reproductive Health
  - FP, ADH, cancers, SGBV

- Maternal Health

- Child Health
  - Child, Newborn, school, ADH

- Clinical Services

- Planning & Development
  - Planning
  - Quality Assurance

- Finance & Admin

- Policy analysis unit

- Directorate Planning & Development

- Directorate Community Services

- Community Health

- Resource Centre

- Commissioner Nursing

Office of the Minister
- Permanent Secretary

Director General

Health Services Commission

* Slide credit to Sabine Verkuijl
Inter program coordination and collaboration

- Policy and guideline development
- Planning
- Implementation
- Resource mobilization
Onsite capacity building

- MoH/ NTLP led
  - Integrated into the roll out for childhood TB
  - Curriculum/ training materials developed
  - Incorporated in regional/ district work plans
  - Supported by G.o.U, development and implementing partners

- Cascade
  - National TOT
  - Regional TOT – Included staff providing MNCH services
  - Integrated onsite training and mentorship – emphasis on MNCH care points
TB service integration into routine and other health care service points

**TB SERVICES**
- TB health education
- TB screening using the ICF guide
- HIV testing
- TB evaluation and management using the algorithm for diagnosis of TB in children
- TB treatment according to the guidelines in collaboration with the TB clinic
- IPT for under five TB contacts and HIV positive children and adolescents
- TB contact screening and management
- TB Infantile Control
- TB/HIV Documentation
- Continuous Quality Improvement

- ANTENATAL CLINIC
- POST NATAL CLINIC
- IN-PATIENT WARD (CHILDREN'S WARD)
- OUT-PATIENT DEPARTMENT
- HIV/ART CLINIC
- NUTRITION UNIT
- MOTHER BABY CARE POINT
- YOUNG CHILD CLINIC
- MATERNITY
<table>
<thead>
<tr>
<th>Level of care</th>
<th>Number of trained DTUs as of last meeting</th>
<th>Proportion (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HCI II</td>
<td>45</td>
<td>44</td>
</tr>
<tr>
<td>HCI III</td>
<td>756</td>
<td>64</td>
</tr>
<tr>
<td>HCI IV</td>
<td>132</td>
<td>67</td>
</tr>
<tr>
<td>Hospital</td>
<td>93</td>
<td>74</td>
</tr>
<tr>
<td>Regional Hospital</td>
<td>16</td>
<td>100</td>
</tr>
<tr>
<td><strong>Total Number of DTUs</strong></td>
<td><strong>1042</strong></td>
<td><strong>64</strong></td>
</tr>
</tbody>
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Data source: NTLP data
Health workers trained – September 2017

<table>
<thead>
<tr>
<th>Cadre</th>
<th>Number</th>
<th>Proportion (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical Officer</td>
<td>1115</td>
<td>9</td>
</tr>
<tr>
<td>Medical Doctor/Officer</td>
<td>225</td>
<td>2</td>
</tr>
<tr>
<td>Mid Wife</td>
<td>1,502</td>
<td>12</td>
</tr>
<tr>
<td>Nurse</td>
<td>4,559</td>
<td>37</td>
</tr>
<tr>
<td>Others</td>
<td>4,955</td>
<td>40</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>12,356</td>
<td>100</td>
</tr>
</tbody>
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Data source: NTLP data
Monitoring and Evaluation

Mainly Review and Update

- Recording tools
  - “TB status”
    - ✔ OPD register
    - ✔ HIV registers
    - ✔ Integrated ANC register
  - “Nutrition status”
    - ✔ TB register
Childhood TB (0-14 years) case notification in Uganda

<table>
<thead>
<tr>
<th>Year</th>
<th>Adults</th>
<th>Children</th>
</tr>
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<tbody>
<tr>
<td>2014</td>
<td>44,170</td>
<td>7.5% (3,320)</td>
</tr>
<tr>
<td>2015</td>
<td>41,912</td>
<td>7% (2,915)</td>
</tr>
<tr>
<td>2016</td>
<td>43,521</td>
<td>8.2% (3,577)</td>
</tr>
</tbody>
</table>

Data source: NTLP Data
IPT Coverage

Proportion of eligible children initiated on IPT

Data source: NTLP annual reports 2014/15 and 2015/16
Innovations

- **Decentralize** Tuberculosis services and **Engage Communities to** Transform lives of Children with Tuberculosis – DETECT Child TB
  - [UNION], MoH, Baylor-Uganda, MildMay - Uganda
  - Decentralization of child TB services is feasible
  - Increase in both child and adult TB case finding

- ICCM/TB/HIV – Project is in the final stages
  - [UNICEF], WHO, MoH
  - Provides an opportunity to identify children (< 5 years) with or at risk of TB

- HOP Project – Project ongoing
  - [CDC through Baylor-Uganda], MoH, UNION
  - Active TB and HIV case finding using an integrated community approach
DETECT Child TB

Health Facility

Contact tracing for index TB patient

Referral of sick Child at risk for TB or HIV

Village Health Team/Community Health Worker

Referral of Individuals with Or at risk for TB

Contact tracing for index TB patient

Referral of Individuals back to the community

Household

Sick child < 5 years

TB/HIV _ iCCM
Challenges - Linking NTP and RMNCAH services

- **Health system related**
  - Competing disease program priorities
  - Not all Health facilities are TB diagnostic units (HC IIs)
  - Weak referral, linkage, and feedback mechanisms
  - Interrupted supplies
  - Recording and reporting does not fully facilitate tracking of integrated TB services
  - Limited resources
Challenges - Linking NTP and RMNCAH services

- **Service Provider related**
  - Health worker attitude which impacts on TB screening
  - Limited health worker knowledge, skills/confidence in identifying patients with or at risk for TB
  - Documentation and reporting errors

- **Patient/ Caregiver related**
  - Limited awareness
  - Health seeking behavior
  - Access to health services
Opportunities to reinforce interventions – Policy and guidance

- Inter program collaborations (bi-direction policy adaptation)
- Pre-service training
- Multi sector collaboration
Opportunities to reinforce interventions - Service delivery

- IMCI
- ICCM
- School health
- Adolescent friendly services
- Focused Antenatal Care
- Contact tracing
- Community outreach programs
- Continuous Quality Improvement Approach
Acknowledgements

- G.o.U
- Stakeholders
- Community
THANK YOU