Family TB/HIV case finding using mobile technology in Matola City, Mozambique

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SUMMARY

1. MOBILE TECHNOLOGY PLATFORM - INFOMÓVEL

2. TB/HIV MODULE

3. RESULTS

4. CHALLENGES AND SUCCESSES

5. NEXT STEPS
1. MOBILE TECHNOLOGY PLATFORM - INFOMÓVEL
Introduction (1)

Why Infomóvel?

• Arises from the needs to:

  1. Strengthen and monitor the link between the HF and the community, through referencing patients from diverse community approaches

  2. Standardize and check the quality of activities carried out by activists in the community
Objective of Infomóvel

Improve overall access, follow-up, adherence and retention of TB and HIV patients in clinical care and treatment, from index case at the health facility.
Target groups

Index patients:

• TB (Sensitive and MDR)
• Co-infected HIV/TB
• HIV+ pregnant & lactating
• HIV exposed children
• Adult and children on ART
• Defaulter patients
2. TB/HIV MODULE
Case manager

- Index Patient Allocation
- Manual TB Register
- Manual ACT Register
- Triangulation
- Reception of Referred Patients
- ePTS Update
- Corrects Patients Information
- Viral Load Register
- Lab. Results Register
Activist

- Index Patients List
- Defaulter tracing
- Health Educations
- Family Register & Testing
- Follow up Visit
Supervisor

- Activist Monitoring
- Activists Comments
- Technical Problems
3. RESULTS
HIV/TB index patients (2016-2017), Matola

- Allocated: 12386
- Located: 8584 (69%)
- Not located: 3802 (31%)
HIV/TB Index Patients Profile (2016-2107), Matola

- Adults HIV+: 748 (6%)
- Children HIV+: 260 (71)
- Pregnant HIV+: 1287 (11%)
- Lactating HIV+: 658 (5%)
- Co-infected TB/HIV: 75%
- TB: 9165 (75%)

Legend:
- Adults HIV+  
- Children HIV+  
- Pregnant HIV+  
- Lactating HIV+  
- Co-infected TB/HIV  
- TB
Household members of HIV/TB index patients (2016 – 2017), Matola

<table>
<thead>
<tr>
<th>Category</th>
<th>Registered</th>
<th>Unknown Serostatus</th>
<th>Tested for HIV</th>
<th>HIV +</th>
<th>Enrolled in C&amp;T</th>
</tr>
</thead>
<tbody>
<tr>
<td>Partners</td>
<td>4942</td>
<td>2344</td>
<td>2253</td>
<td>596</td>
<td>432</td>
</tr>
<tr>
<td>Children</td>
<td>7466</td>
<td>6716</td>
<td>5943</td>
<td>63</td>
<td>41</td>
</tr>
</tbody>
</table>

- Registered: 7466
- Unknown Serostatus: 6716
- Tested for HIV: 5943
- HIV +: 596
- Enrolled in C&T: 432

26% of the unknown serostatus are children
Contacts of TB & co-infected TB/HIV index (Jan – Sep /2017), Matola

- **Contacts Registered**: 219
- **Referred to HF**: 137
- **Arrived at HF**: 137
- **TB diagnosed**: 114
- **IPT**: 11

**Breakdown by Age Group**:
- **< 5 y**: 83
- **5 - 14 y**: 81
- **> 14 y**: 70
- **IPT**: 0, 7, 11

- **100%**: Contacts referred to HF
- **> 80%**: Contacts arrived at HF
- **87%**: TB diagnosed

Index TB
## 4. Challenges and Successes

### Successes

- Flow of patients in HF
- Linkage HF - Community
- Family approach / follow up of mom & baby pair
- Mapping reasons of defaulters
- Consentment for visit
- Community activities report
- Patient’ literacy
- Educational and mentorship package for activists
- Nutritional evaluation
- Monitoring / mentorship activists performance

### Challenges

- Correct address
- Multiple tasks of community activists
- Nº of visits per activists
- All family members testing in same day
- HIV disclosure
5. Next steps

1. Finalize TB module (follow up and MDR)

2. Expansion of platform to priority districts

3. Advocacy in process with MOH
Thank you