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

PATA 2017  Continental Summit

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1. MOBILE TECHNOLOGY PLATFORM - INFOMÓVEL

2. TB/HIV MODULE

3. RESULTS

4. CHALLENGES AND SUCCESSES

5. NEXT STEPS
1. MOBILE TECHNOLOGY PLATFORM - INFOMÓVEL
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
Context

Patient

Activist

Case manager

Supervisor
Data flow

- ePTS
- Case manager
- Activist
- Supervisor

Infomóvel (CommCare)
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: 12,386
- Located: 8,584 (69%)
- Not located: 3,802 (31%)
HIV/TB Index Patients Profile (2016-2017), Matola

- Adults HIV+: 1287
- Children HIV+: 260
- Pregnant HIV+: 748
- Lactating HIV+: 71
- Co-infected TB/HIV: 658
- TB: 9165

Total: 9165

- Adults HIV+: 75%
- Children HIV+: 6%
- Pregnant HIV+: 11%
- Lactating HIV+: 5%
- Co-infected TB/HIV: 11%
- TB: 75%
Household members of HIV/TB index patients (2016 – 2017), Matola

- **Registered**: 4942
- **Unknown serostatus**: 2344 (47%)
- **Tested for HIV**: 2253 (96%)
- **HIV +**: 596 (1%)
- **Enrolled in C&T**: 432 (72%), 41 (65%)

**Partners**
**Children**
Contacts of TB & co-infected TB/HIV index (Jan – Sep /2017), Matola

219
Index TB

<table>
<thead>
<tr>
<th>Contacts Registered</th>
<th>Referred to HF</th>
<th>Arrived at HF</th>
<th>TB diagnosed</th>
<th>IPT</th>
</tr>
</thead>
<tbody>
<tr>
<td>137</td>
<td>137</td>
<td>114</td>
<td>70</td>
<td>99</td>
</tr>
<tr>
<td>83</td>
<td>81</td>
<td>70</td>
<td>0</td>
<td>35</td>
</tr>
<tr>
<td>81</td>
<td>70</td>
<td>11</td>
<td>7</td>
<td>24</td>
</tr>
</tbody>
</table>

- Contacts Registered: 219
- Referred to HF: 137
- Arrived at HF: 114
- TB diagnosed: 70
- IPT: 99

- < 5 y: 0
- 5 - 14 y: 7
- > 14 y: 11
4. Challenges and Successes

<table>
<thead>
<tr>
<th>Successes</th>
<th>Challenges</th>
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</thead>
<tbody>
<tr>
<td>• Flow of patients in HF</td>
<td>• Correct address</td>
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<tr>
<td>• Linkage HF - Community</td>
<td>• Multiple tasks of community activists</td>
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<tr>
<td>• Family approach / follow up of mom &amp; baby pair</td>
<td>• Nº of visits per activists</td>
</tr>
<tr>
<td>• Mapping reasons of defaulters</td>
<td>• All family members testing in same day</td>
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<tr>
<td>• Consentment for visit</td>
<td>• HIV disclosure</td>
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<tr>
<td>• Community activities report</td>
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<tr>
<td>• Patient’ literacy</td>
<td></td>
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<tr>
<td>• Educational and mentorship package for activists</td>
<td></td>
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<tr>
<td>• Nutritional evaluation</td>
<td></td>
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<tr>
<td>• Monitoring / mentorship activists performance</td>
<td></td>
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</tbody>
</table>
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