Consultation meeting on finding missing TB Cases through Integrated Community based TB Service Delivery

Yazmi Satellite Solutions to Empower Community Health Care

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Yazmi offers distinctive two-way satellite connectivity, able to cover the whole of Africa, Middle East and Asia.

1. Sender device with Yazmi Content Management Software
2. BOC (ground station)
3. Two-way communication Satellite
4. Satellite antenna
5. Satellite modem
6. Server Wi-Fi enabled
7. End user devices

SOURCE: Yazmi
The ecosystem comprises of product combinations suitable to local needs irrespective of internet or electricity.

**Software**
- User management software
  - CMS
  - User database

**Connectivity**
- Antenna + modem + Server
  - Server
  - Modem
  - Satellite antenna

**Solar chargers**
- Solar charger
  - Solar panel
  - Charging bank

**User smart devices**
- Tablet, keyboard and casing
- Yazmi user software
Using the technology, the satellite-delivered content can be shared with remote and rural communities.

Using Miracast, Yazmi can enable tablets to project content onto a screen or TV for communities to view.
Yazmi provides an end-to-end, scalable, easy to use two-way satellite connectivity solution

Two-way connectivity coverage across Africa, Middle East and Asia

- Ubiquitous and two-way connectivity covering all of Africa, Middle East and Asia

Efficient and User friendly

- One-off configuration at sender and receiver end

Low cost capacity at scale

- Low cost for satellite and spectrum
- Unlimited number of end users to create scale

Audience selectivity

- Create user groupings and customize data sent per group

SOURCE: Yazmi
Satellite technology can deliver a transformative Community Health Information System

1) Provides **ubiquitous, effective** and **equitable** public health information delivery service across the entire African, Middle Eastern and Asian countries

2) **Increase** efficiency in the **education, training, and capacity building** process with capacity to conduct **Live and Just-in-time in-service training**

3) Provide **reliable, up-to-date, two-way, timely delivery of information** to the entire health care system
The technology support the various stages of the community health care workers service delivery

Step 1 Advocacy, raising awareness about TB

Community Health Care Worker

Step 2 Identify TB presumptive cases in the Community

Step 3 Collect and transport to the nearest laboratory

Step 4 Treatment, support and follow-up

Step 5 Collecting sputum to monitor treatment

Step 6 Reporting drug side-effect and treatment outcome

Step 1 Community outreach, training

Step 2, 3, 4, 5, 6 Data gathering, recording, analytics and reporting
Yazmi can provide a powerful pre and in-service training and capacity building to CHCW\(^1\)

<table>
<thead>
<tr>
<th>CHCW Training</th>
<th>Currently</th>
<th>Example scenario with Yazmi system</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of CHCW to be trained</td>
<td>38,000</td>
<td>38,000</td>
</tr>
<tr>
<td>How regularly are they trained</td>
<td>intermittently</td>
<td>daily/weekly</td>
</tr>
<tr>
<td>Disruption by each training</td>
<td>3-6 days</td>
<td>none</td>
</tr>
<tr>
<td>Training reach</td>
<td>1-to-few</td>
<td>1-to-millions</td>
</tr>
</tbody>
</table>
Yazmi’s technology is practical, effective and transformative to empower CHCW\textsuperscript{1}

<table>
<thead>
<tr>
<th>KPI\textsuperscript{2}</th>
<th>Yazmi solution features</th>
<th>Benefits to Community</th>
</tr>
</thead>
</table>
| Increase in the number of IRTs\textsuperscript{3} delivered | ▪ Live lectures streamed  
▪ All CHCWs receive training simultaneously | ▪ Increase in CHCW access to knowledge  
▪ Greater flexibility on training schedules  
▪ Minimal disruption in duties at the post |
| Decrease in time taken to deliver training | ▪ Training streamed to CHCW location  
▪ Soft copy documents available on tablets | ▪ Increase in frequency of CHCW training  
▪ Removes travel expenses  
▪ Removes printing costs |
| Decrease in training, travel and printing costs | ▪ Multimedia content available for sharing with larger number of households  
▪ Portability of devices | ▪ Enables reach to pastoral communities  
▪ Enables greater community involvement  
▪ Replaces hard copies which could be outdated or mutilated |
| Increase in number of communities reached | ▪ Live streaming enables consistent training  
▪ File sending enables more information to be sent ubiquitously | ▪ All CHCWs receive message regardless of telecom or power coverage  
▪ Improve equitable access to health services |
| Increase in households with Level 1 CHCW competency | ▪ One satellite transmission goes to all health posts simultaneously | ▪ Current and updated information is delivered to CHCWs faster |
| Increase in consistency of message delivered | | |
| Decrease in time taken for information to reach the community | | |

\textsuperscript{1} Community Health Care Workers  
\textsuperscript{2} Key Performance Indicators  
\textsuperscript{3} Integrated Refresher Trainings
Demonstrated Impact
THANK YOU!