Eswatini CMIS Digital health for patient retention

9th February 2021
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CMIS Background

- In-house proprietary development, through MoH with support from USG funding.
- Connectivity and networking, using a wide area network with high towers on weather-prone mountain tops;
- Multiple information systems with at any given time, different capturing tools: paper registers, desktop-based excel sheets, and an online system, leading to a duplication of client records,
- Integration with complementary information systems covering diagnostics and logistics, built on different underlying coding and therefore requiring additional synchronization efforts, and
- Working in an environment with multiple stakeholders, with different agenda and funding streams.

The one constant approach was the government's belief that this was the CMIS needed to cover the health services for its population.
CMIS Landing Page
Appointments Management

- Auto Check-in for clients presenting at the health facility
Patient Linkages to C&T

- Effective linkage of patient info across different health facilities (incl. migratory patients)
- About 92% of HIV care and treatment (95-95-95) data can be drawn from a single system. Other datasets & cascades include; TB/HIV, Early Infant Diagnosis (EID), PMTCT, NCD, Prevention services,
Real-time Laboratory diagnostic tests results

Lab Dashboard

Lab orders requested at this facility in the past 90 days

<table>
<thead>
<tr>
<th>Show</th>
<th>10 entries</th>
<th>Name</th>
<th>Patient ID</th>
<th>Date</th>
<th>Type</th>
<th>Results received</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>xxxx</td>
<td>xxxx xxxx</td>
<td>03 Feb 2021</td>
<td>TB Genexpert</td>
<td>1 of 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>xxxx</td>
<td>xxxx xxxx</td>
<td>03 Feb 2021</td>
<td>HIV Viral Load (Plasma)</td>
<td>1 of 1</td>
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<tr>
<td></td>
<td></td>
<td>xxxx</td>
<td>xxxx xxxx</td>
<td>13 Jan 2021</td>
<td>HIV Viral Load (Plasma)</td>
<td>0 of 1</td>
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<tr>
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<td>01 Jan 2021</td>
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<td>08 Feb 2021</td>
<td>HIV VIRAL LOAD (FOC)</td>
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</tbody>
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CMIS Supporting Continuum of care
Thank You !!!