Early-Warning Systems to Monitor Progress in Health System Performance in Mesoamerica: Leveraging Routine Health Information Systems for Results-Based Financing

Global Maternal Neonatal Health Conference
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## RBF and the Demand for Information

<table>
<thead>
<tr>
<th>Key Performance Indicator</th>
<th>Baseline</th>
<th>1&lt;sup&gt;st&lt;/sup&gt; Operation Targets</th>
<th>2&lt;sup&gt;nd&lt;/sup&gt; &amp; 3&lt;sup&gt;rd&lt;/sup&gt; Operation Targets</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary Health Centers with permanent availability of medicines and inputs for the treatment of diarrhea and pneumonia in children under 5</td>
<td>0%</td>
<td>80%</td>
<td></td>
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<tr>
<td>Institutional births by skilled personnel</td>
<td>63.9%</td>
<td></td>
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<tr>
<td>Management of obstetric complications</td>
<td>11%</td>
<td>+40 PP</td>
<td></td>
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<tr>
<td>Children less than 5 years that received oral rehydration salts and zinc during the last episode of diarrhea</td>
<td>0%</td>
<td>+25 PP</td>
<td></td>
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<tr>
<td>Anemia in children 6-23 months</td>
<td>35.3%</td>
<td>-15 PP</td>
<td></td>
</tr>
</tbody>
</table>
SMI Diagnosis: Epidemiologic and IT Indicator Mapping
Country-created IT solutions in 7 Countries

- eTAB alpha version (SIIG): El Salvador
- eTAB beta version & CIUM: Chiapas
- QIA alpha version: Belize
- eTAB & QIA: Honduras
- eTAB: Panama
- eTAB: Guatemala
- eTAB: Costa Rica
But what about data quality?

• The power of visualization
  • Disaggregated data
  • End-user review
• Modified primary sources for new interventions
• Reduce steps
• Improve denominators
  • Projected populations, Survey data, Community census
Countries have IT expertise for country-driven solutions

**Lessons Learned**
- Data can change the conversation
- Measure what you treasure
- Open-source software → share knowledge

**Challenges**
- Can’t drive change with just a Dashboard
- Not all Dashboards are created equal → potential area for investment
- Data for learning, not punishment
Special Thanks to...

- Epi & Quality Specialist: Dr. Karla Schwarzbauer
- Software Engineers:
  - El Salvador: Eduardo Rodriguez & Rigoberto Reyes
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  - Honduras: Marco Calderón
  - Guatemala: Benjamin Castillo
  - Costa Rica: Ilse Cerda
  - Panama: Porfirio Gomez
  - USA: Eric Neuman
Iniciativa Salud Mesoamérica
at the Global Maternal Newborn Health Conference

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eTAB: Dashboard & Meta-database | User: SMI - Password: demo

Salud Mesoamérica GitHub