Independent measurement in RBF

Diego Rios Zertuche
Monitoring & Evaluation Officer
Salud Mesoamerica 2015
Scenario 2
Where does independent measurement fit?

Scenario 1 – Business as usual

Measurement of Outputs

Scenario 2 – Results Based Financing

Measurement of Outcomes
Why should the measurement be independent & survey-based?
Increased accountability

Reducing anemia in children 6-23 months

- **Baseline**
- **Target**

<table>
<thead>
<tr>
<th>Location</th>
<th>Baseline</th>
<th>Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chiapas</td>
<td>39.4</td>
<td>29.4</td>
</tr>
<tr>
<td>El Salvador</td>
<td>46.5</td>
<td>36.5</td>
</tr>
<tr>
<td>Guatemala</td>
<td>68.8</td>
<td>53.8</td>
</tr>
<tr>
<td>Honduras</td>
<td>35.3</td>
<td>20.3</td>
</tr>
</tbody>
</table>
Quality data & target population representation

Barriers to healthcare utilization for women's recent illness in past 2 weeks

- Care is too expensive
  - Chiapas: 14
  - Guatemala: 10.1
  - Honduras: 3.4
  - Nicaragua: 13.5
  - Panama: 42.3

- Health center is too far
  - Chiapas: 12.2
  - Guatemala: 6
  - Honduras: 9.5
  - Nicaragua: 4
  - Panama: 28

- Could not find transportation
  - Chiapas: 0.5
  - Guatemala: 2.4
  - Honduras: 2
  - Nicaragua: 1.9
  - Panama: 5.8

Source: SM2015 Baseline Surveys
Measurement of quality of care

Innovative methods to measure quality of care objectively

Partograph Algorithm

Step 1: Sample selection
- Yes: Woman arrived in imminent birth or elective C-section?
  - Yes: $x_n = 1$
  - No: $x_n = 0$

Step 2: Is there a partograph on the record?
- Yes: FHR and alert curve drawn if dilation > 4.5 cm recorded?
  - Yes: $x_n = 1$
  - No: $x_n = 0$

Step 3: FHR< 120 bm or the alert curve was surpassed?
- Yes: $x_n = 1$
- No: $x_n = 0$

Step 4: Is there a note on the partograph or record within 30 min?
- Yes: $x_n = 1$
- No: $x_n = 0$

Indicator value = \[
\frac{\sum_{i=1}^{n} x_i}{N}
\]
Empowering local staff

Traditional Information Flow:
- Central Planning
- Procurement
- Central Warehouses
- Regional Warehouses
- Service Providers

New Information Flow:
- Feedback Loop

Feedback Loop:
- Central Planning
- Procurement
- Central Warehouses
- Regional Warehouses
- Service Providers
Comparison and benchmarking

<table>
<thead>
<tr>
<th>Country</th>
<th>Use of modern family planning methods (% population)</th>
<th>Permanent availability of family planning methods (% health facilities)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chiapas</td>
<td>47.3</td>
<td>9.7</td>
</tr>
<tr>
<td>El Salvador *</td>
<td>53.5</td>
<td>16.9</td>
</tr>
<tr>
<td>Guatemala</td>
<td>57.6</td>
<td>25.1</td>
</tr>
<tr>
<td>Honduras</td>
<td>66.8</td>
<td>86.4</td>
</tr>
<tr>
<td>Nicaragua</td>
<td>81.6</td>
<td>59.5</td>
</tr>
<tr>
<td>Panama</td>
<td>9.7</td>
<td>7.1</td>
</tr>
</tbody>
</table>

Source: SM2015 Baseline Surveys

* Data available only for the day of the visit.
5 take-away points

1. Increased accountability
2. Quality data and target population representation
3. Objective measurement of quality of care
4. Empowerment of local staff
5. Comparable information and benchmarking
Focus on what matters