OneHealth Tool:
Supporting integrated strategic health planning,
costing and health impact analysis

December 2013

World Health Organization
Health Systems Financing and Governance Department
OneHealth Tool: Launched May 2012 and publicly available for download

**WHAT IS IT?**
A software tool for strategic health planning at national level
Provides projected cost scenarios for health plans

**FOR WHOM?**
Governments and health sector planners

**BY WHOM?**
Development overseen by the UN Inter-Agency Working Group on Costing (IAWG-COSTING) established in 2008 (WHO, UNICEF, WB, UNAIDS, UNFPA, UNDP) in collaboration with the Futures Institute.
Technical inputs from expert advisory groups and country planners.
What does it do? Addresses key challenges!

- How much will my health plan cost?
- How many lives could be saved?
- How many doctors and nurses will I need to implement my plan?
- Ensures comparability

- Costing as part of the planning process
- Improving population health
- Links programme plans to a health systems platform
- A standardized costing approach across programmes/systems
Model cost and impact with a health systems approach

National Hospital Health Centre Outreach Community

- National
- Hospital
- Health Centre
- Outreach
- Community

- Non communicable
- Child Health
- Nutrition
- Reproductive Health
- Water & Sanitation
- Immunization
- Malaria
- TB
- HIV

- Others

- Infrastructure
- Human Resources
- Supply chain

- Health Information
- Governance
- Health Financing

Increasing coverage of effective interventions

Lives saved; healthier populations

Financial affordability

Strengthening Health Systems
Type of outputs (results) produced

1. **Health impact:** what will be my child mortality and total fertility rate in year 2020?

2. **Health Systems investments and service outputs:**
   - Required investments in infrastructure and equipment
   - Total & additional bed days and outpatient visits; requirements for hospitals, facilities and community services

3. **Costs:** Costs and budget by year, by programme, by inputs, etc.

4. **Financial projections, fiscal space and expected shortfall**

5. **Scenarios:** how is cost and impact different for alternative scenarios of packages, targets and activities?
Example outputs for health impact

<table>
<thead>
<tr>
<th>Scenario A (US$)</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Incremental cost (millions)</td>
<td>39</td>
<td>60</td>
<td>88</td>
</tr>
<tr>
<td>Incremental cost per capita</td>
<td>1.22</td>
<td>1.81</td>
<td>2.57</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Scenario B (US$)</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Incremental cost (millions)</td>
<td>79</td>
<td>136</td>
<td>198</td>
</tr>
<tr>
<td>Incremental cost per capita</td>
<td>2.44</td>
<td>4.09</td>
<td>5.79</td>
</tr>
</tbody>
</table>
What will be the demands on the supply chain?

Volume of commodities transported in Logistics system,
% share by programme

Example for illustrative purposes only
Estimating health worker needs
Comparing anticipated supply of health workers with the expected demand

Staff capacity utilization (by channel or programme area) - Laboratory technicians/assistants
This graph compares available staff days (solid bars) with the number of staff days that are required to deliver planned services (segmented bars).

Example for illustrative purposes only

Estimated time needed for service delivery
Available health workers

Example for illustrative purposes only
## Comparing scenarios

<table>
<thead>
<tr>
<th>Scenario</th>
<th>Cost of Plan</th>
<th>Capacity utilization of nurses (end year)</th>
<th>Under five mortality rate (end year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Burkina 50% coverage</td>
<td>712 million</td>
<td>56%</td>
<td>90</td>
</tr>
<tr>
<td>Burkina 70% coverage</td>
<td>777 million</td>
<td>110%</td>
<td>79</td>
</tr>
<tr>
<td>Burkina 90% coverage</td>
<td>848 million</td>
<td>131%</td>
<td>71</td>
</tr>
</tbody>
</table>

Example for illustrative purposes only
Who should use the OneHealth Tool?

• A multi-disciplinary team

• Health Sector planners (MoH Department of planning)

• Disease-specific programme planners (e.g. EPI, Malaria), Health System component (e.g., Human Resource Department in MoH)

• NGOs and other agencies in countries

• Donors, academics and UN agencies
OneHealth Tool - launched May 2012

OneHealth Tool available in
- English
- French
- Spanish
- With more language versions in pipeline

http://www.internationalhealthpartnership.net/en/tools/one-health-tool/

Life saver function – response within 2 working days
For more information send an email to the OneHealth Tool Secretariat: onehealthtool@unfpa.org

or contact Karin Stenberg, Technical Officer, WHO/HGF: stenberkg@who.int