The control of neglected tropical diseases represents a major challenge to those providing health-care services in the endemic countries. The purpose of this country profile is to provide public health professionals with the most recently available epidemiological information on diseases for which a strategy and tools to implement large-scale preventive chemotherapy exist.

This summary outlines the burden of targeted diseases and program implementation outcomes in Benin.

### BASIC COUNTRY DATA
- **Total population**: 9,211,741
- **Population 1–4 years (Pre-SAC)**: 1,199,643
- **Population 5–14 years (SAC)**: 2,423,371
- **Population female 15–49 years**: 2,119,415
- **Population requiring preventive chemotherapy (PC)**:
  - **Lymphatic filariasis (LF)**: 5,282,204
  - **Schistosomiasis (SCH)**: 7,369,393
  - **Soil-transmitted helminthiasis (STH)**:
    - **Pre-SAC**: 1,199,643
    - **SAC**: 2,423,371
  - **Onchocerciasis (Oncho)**: 4,800,000
  - **Trachoma**: No data
- **Development status**: LDC
- **Income status**: LIC

### School enrolment data
- **Gross enrolment rate**
- **Girls enrolment ratio (gross)**

* Provisional estimates, to be refined

### SITUATION ANALYSIS OF PREVENTIVE CHEMOTHERAPY DISEASES

<table>
<thead>
<tr>
<th>PCT disease</th>
<th>Endemicity status</th>
<th>Disease distribution</th>
<th>Mapping status</th>
<th>Implementation status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lymphatic filariasis</td>
<td>Endemic</td>
<td>Partial</td>
<td>Complete</td>
<td>In progress</td>
</tr>
<tr>
<td>Schistosomiasis</td>
<td>Endemic</td>
<td>Nationwide</td>
<td>Complete</td>
<td>In progress</td>
</tr>
<tr>
<td>Soil-transmitted</td>
<td>Endemic</td>
<td>Partial</td>
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<td>In progress</td>
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<tr>
<td>helminthiasis</td>
<td>Onchocerciasis</td>
<td>Endemic</td>
<td>In progress</td>
<td>In progress</td>
</tr>
<tr>
<td>Trachoma</td>
<td>Endemic</td>
<td>Partial</td>
<td>Complete</td>
<td>In progress</td>
</tr>
<tr>
<td>Loa-loa</td>
<td>Non-endemic</td>
<td></td>
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</tr>
</tbody>
</table>
Maps of infection/disease endemicity

**Lymphatic filariasis**

**Onchocerciasis**

**Schistosomiasis, S. haematobium**

**Schistosomiasis, S. mansoni**

**Soil-transmitted helminthiasis**

**Active trachoma (TF, 1-9 years old)**
Maps of preventive chemotherapy strategy required

PC strategy required - ROUND 1

ROUND 1
- No implementation
- MDA1
- MDA3

PC strategy required - ROUND 2

ROUND 2
- T2 once in two years

MDA1 (IVM+ALB), MDA2 (DEC+ALB), MDA3 (IVM), T1 (ALB or MBD + PZQ), T2 (PZQ), T3 (ALB or MBD)
## BENIN

### Preventive chemotherapy implementation

<table>
<thead>
<tr>
<th></th>
<th>2006</th>
<th>2007</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
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<tbody>
<tr>
<td><strong>MDA1 (IVM + ALB)</strong></td>
<td></td>
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<tr>
<td>Population targeted</td>
<td>1,864,118</td>
<td>1,836,321</td>
<td>1,075,801</td>
<td>1,068,220</td>
<td>1,105,375</td>
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<tr>
<td>Population treated</td>
<td>1,461,523</td>
<td>1,485,608</td>
<td>904,775</td>
<td>908,775</td>
<td>946,317</td>
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<tr>
<td>Geographical coverage</td>
<td>56.0%</td>
<td>56.0%</td>
<td>32.0%</td>
<td>32.0%</td>
<td>32.0%</td>
</tr>
<tr>
<td>Programme coverage</td>
<td>78.4%</td>
<td>80.9%</td>
<td>84.1%</td>
<td>85.1%</td>
<td>85.6%</td>
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<tr>
<td><strong>MDA2 (DEC + ALB)</strong></td>
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<tr>
<td>Population targeted</td>
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<tr>
<td>Population treated</td>
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<tr>
<td>Geographical coverage</td>
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<tr>
<td>Programme coverage</td>
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<tr>
<td><strong>MDA3 (IVM)</strong></td>
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<tr>
<td>Population targeted</td>
<td>692,976</td>
<td>2,407,615</td>
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<td>Population treated</td>
<td>562,436</td>
<td>1,960,056</td>
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<tr>
<td>Geographical coverage</td>
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</tr>
<tr>
<td>Programme coverage</td>
<td>81.2%</td>
<td>81.4%</td>
<td></td>
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<tr>
<td><strong>T1 (ALB or MBD + PZQ)</strong></td>
<td>PreSAC/SAC</td>
<td>PreSAC/SAC</td>
<td>PreSAC/SAC</td>
<td>PreSAC/SAC</td>
<td>PreSAC/SAC</td>
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<tr>
<td>Population targeted</td>
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<tr>
<td>Population treated</td>
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<tr>
<td>Geographical coverage</td>
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<tr>
<td>Programme coverage</td>
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<tr>
<td><strong>T2 (PZQ)</strong></td>
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<tr>
<td>Population targeted</td>
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<td>Population treated</td>
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<tr>
<td>Geographical coverage</td>
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<tr>
<td>Programme coverage</td>
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<tr>
<td><strong>T3 (ALB or MBD)</strong></td>
<td>PreSAC/SAC</td>
<td>PreSAC/SAC</td>
<td>PreSAC/SAC</td>
<td>PreSAC/SAC</td>
<td>PreSAC/SAC</td>
</tr>
<tr>
<td>Population targeted</td>
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<tr>
<td>Population treated</td>
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<tr>
<td>Programme coverage</td>
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</tbody>
</table>

Geographical coverage - proportion (%) of endemic districts covered with preventive chemotherapy;
Programme coverage - proportion (%) of individuals who were treated as per the programme target.
COUNTRY PROFILE

PREVENTIVE CHEMOTHERAPY AND TRANSMISSION CONTROL
DEPARTMENT OF CONTROL OF NEGLECTED TROPICAL DISEASES - 2010

BENIN

National disease-specific coverage

LYMPHATIC FILARIASIS

SCHISTOSOMIASIS *

SOIL-TRANSMITTED HELMINTHIASIS

Pre-SAC **

SAC

ONCHOCERCIASIS ***

TRACHOMA

** Number of individuals received at least one round of annual treatment.

*** Number of people treated via LF programme (MDA1) is not included in this chart.

National disease-specific coverage - proportion (%) of individuals in the population requiring preventive chemotherapy for the specific disease (see Basic country data on page 1) that have been treated.
## Monitoring decline of disease endemicity

*(in sentinel sites or periodic surveys)*

<table>
<thead>
<tr>
<th>Data source:</th>
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<tbody>
<tr>
<td><strong>LYMPHATIC FILARIASIS</strong></td>
</tr>
<tr>
<td><strong>Years -&gt;</strong></td>
</tr>
<tr>
<td>Cumulative number of SS with baseline mf&gt;1% identified (of total)</td>
</tr>
<tr>
<td>Percent of the SS (with a baseline of &gt;1%) which have Mf prev &lt;1% in year</td>
</tr>
<tr>
<td>No. of IUs where MDA discontinued after meeting epidemiological criteria</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Data source:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SOIL-TRANSMITTED HELMINTHIASIS</strong></td>
</tr>
<tr>
<td><strong>Years -&gt;</strong></td>
</tr>
<tr>
<td>STH prevalence in pre-SAC (range)</td>
</tr>
<tr>
<td>STH prevalence in SAC (range)</td>
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</table>

<table>
<thead>
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<tbody>
<tr>
<td><strong>SCHISTOSOMIASIS</strong></td>
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<tr>
<td><strong>Years -&gt;</strong></td>
</tr>
<tr>
<td>S. haematobium prevalence (range)</td>
</tr>
<tr>
<td>S. mansoni prevalence (range)</td>
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</table>

<table>
<thead>
<tr>
<th>Data source:</th>
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</thead>
<tbody>
<tr>
<td><strong>ONCHOCERCIASIS</strong></td>
</tr>
<tr>
<td><strong>Years -&gt;</strong></td>
</tr>
<tr>
<td>Number of endemic communities</td>
</tr>
<tr>
<td>Number of endemic communities with baseline &gt;1%</td>
</tr>
<tr>
<td>Number of endemic communities discontinued after meeting epidemiological criteria</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Data source:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TRACHOMA</strong></td>
</tr>
<tr>
<td><strong>Years -&gt;</strong></td>
</tr>
<tr>
<td>TF/TI ratio in 1-9 years old</td>
</tr>
<tr>
<td>Trachomatous trichiasis males &amp; females &gt; 30 years old</td>
</tr>
<tr>
<td>Districts achieving Ultimate Intervention Goals, % “CHANCE” at least 80%</td>
</tr>
</tbody>
</table>

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For more detailed information, please contact:

Preventive Chemotherapy and Transmission Control, Department of Control of Neglected Tropical Diseases
World Health Organization, 20, avenue Appia, 1211 Geneva 27, Switzerland

We would also like to be informed as soon as possible if we have made any errors in detailing your activities or if you have any other comments. Thank you for your collaboration.

Our contact e-mail is pctdata@who.int

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