What is ACTwatch?

ACTwatch: Cross Country Findings

Case Management Working Group Meeting
5th July 2010
Geneva, Switzerland

What is ACTwatch?

www.ACTwatch.info

5 year, 7 country project
Funded by the BMGF

Objective
Provide policy makers with evidence on trends in availability, price, & use of antimalarials

Partnership
PSI, LSHTM & Ministries of Health

www.ACTwatch.info
The Research Studies

Outlet Survey (PSI):
What are the trends in the availability, volumes and price of antimalarials?

Supply Chain Research (LSHTM):
What are the determinants of the price & availability of AMs at different levels of the supply chain?

Household Survey (PSI):
What are the trends in the levels of use of different antimalarials? What are the determinants of use?

OUTLET SURVEY: METHODS & RESULTS
Methods

- ‘Sub-districts’ were randomly selected within each country
- A census was taken of all outlets with the potential to sell antimalarials
- Audit sheet and provider questionnaire administered at each outlet: Information on generic name, brand name, formulation, strength, price, amount in stock, expiry date, and volume sold in the last week was recorded for all antimalarials found.

- 19,482 outlets visited, 22,822 discrete antimalarials
Public Sector Availability of Antimalarials

![Graph showing public sector availability of antimalarials across different countries.](image)
Relative Volumes of Antimalarials Distributed by Sector and Drug Type

First line ACTs | Other ACTs | Non-artemisinin monotherapies | Oral artemisinin monotherapy

Benin Cambodia DRC Madagascar Nigeria Uganda Zambia

%
Price of Antimalarials in Public Sector

<table>
<thead>
<tr>
<th>Country</th>
<th>Benin</th>
<th>Cambodia</th>
<th>DRC</th>
<th>Madagascar</th>
<th>Nigeria</th>
<th>Uganda</th>
<th>Zambia</th>
</tr>
</thead>
<tbody>
<tr>
<td>First-line treatment distributed for free in public health facilities</td>
<td>0%</td>
<td>100%</td>
<td>1%</td>
<td>100%</td>
<td>100%*</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>Median price of first-line treatment in public health facilities</td>
<td>$1.17</td>
<td>--</td>
<td>$3.20</td>
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* Proportion for Nigeria based on volumes of child treatments, as insufficient data was available on the price of distributed adult treatments.

Median Price of Full Adult Antimalarial Treatments in the Private Sector
Disruption in Stocks of First-line ACTs, Public Sector

Proportion of Outlets Reporting Diagnostic Testing Services
Diagnosis and Treatment of Fever - Cambodia

- Self-reported fever and sought any treatment (96%)
- Received a diagnostic test (45%)
  - tested positive (37%)
  - received AM (22%)
  - received ACT (13%)
- Received a diagnostic test, tested positive, received an ACT within 48 hours (8%)

Proportion of respondents taking each set of actions

Type and Price of Diagnostic Tests - Cambodia

- A diagnosis was sought for 45% of fever episodes;
- 60% of diagnoses were made by RDTs.
- 71% of all testing was conducted by or through the Private Sector, with a median price of $1.20 (compared to 47% free and a median price of $0.12 in Public)
Household Survey Findings

Treatment of Fever in Children under Five (1)

- Benin: n=927
- Madagascar: n=2,120
- Uganda: n=1,752
- Zambia: n=1,885

- Sought any treatment
- Sought treatment w/in 24 hrs
Treatment of Fever in Children under Five (3)

- Benin: n=927
- Madagascar: n=2,120
- Uganda: n=1,752
- Zambia: n=1,885

- Sought any treatment
- Sought treatment w/in 24 hrs
- Received an AM
- Received an AM w/in 24 hrs
- Received an ACT
- Received an ACT w/in 24 hrs
- Received a diagnosis

What have we done?

- Benin: 2 OS, 1 HH, 1 SC
- Madagascar: 2 OS, 1 HH, 1 SC
- Nigeria: 2 OS, 1 HH, 1 SC
- DRC: 2 OS, 1 HH, 1 SC
- Uganda: 2 OS, 1 HH, 1 SC
- Zambia: 2 OS, 1 HH, 1 SC
- Cambodia: 2 OS, 1 HH, 1 SC

Completed
- 14 Outlet surveys
- 6 Household surveys
- 6 Supply chain studies

On-going
- 1 Household survey (DRC)
Broader Project Changes

3 new countries: AMFm

THANK YOU

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Relative Volumes of Antimalarials Distributed by Sector and Drug Type, during OS1 and OS2

Median Price of 1 AETD Antimalarial Treatment in the Private Sector, during OS1 and OS2