The National Insecticide Treated Nets Programme (NATNETS)

National Malaria Control Programme Tanzania

Presentation for RBM WIN
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NATNETS Programme Tanzania
Development of the NATNETS Strategy: Key Milestones

- 1996 – 2000: Kilombero Net Project (KINET)
- 1998 – 2002: Social Marketing for ITNs (SMITN) Project: implemented by PSI in four regions
- 2002 – 2007 SMARTNET Project
- 2004 – start of Tanzania National Voucher Scheme for pregnant women
- 2006 – introduction of TNVS Infant voucher
Development of the NATNETS Strategy: Key Milestones

- July 2007 - Submission of RCC Proposal to GFATM
- October 2008 – piloting of Under five Catch-up Campaign
- March 2009 – U5CC Implementation
- Oct 2009 – Upgrade of TNVS to LLINs
- 2010 – Universal Coverage Campaign
The NATNETS Programme
The Global Fund Contracting Partners

- **Logistics**: Pregnant woman voucher printing, distribution and redemption, LLIN distribution and logistics: MEDA

- **Training & Promotion**: World Vision Tanzania

- **Behaviour Change Communication**: Population Services International

- **Monitoring & Evaluation**: IHI in collaboration with LSHTM

- **Audit**: KPMG
The NATNETS Programme
The PMI Partners

- **Logistics**: Infant Voucher printing, distribution, and redemption, LLIN distribution and logistics: MEDA
- **Training & Promotion**: World Vision Tanzania
- **LLINs for Tanzania**: PSI
- **Behaviour Change Communication**: JHU CCP (COMMIT)
- **Hang-up Campaigns**: Tanzania Red Cross (financed by DFID via USAID)
Tanzania National Voucher Scheme
## Vouchers Issued and Redeemed
### October 2004 – October 2009

<table>
<thead>
<tr>
<th>Voucher</th>
<th>Distributed to Clinics DMOs</th>
<th>Vouchers Redeemed</th>
<th>% Accum. Redemption Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pregnant Woman Voucher</td>
<td>5.9 million</td>
<td>3.8 million</td>
<td>74.6%</td>
</tr>
<tr>
<td>Infant Voucher</td>
<td>2.8 million</td>
<td>1.2 million</td>
<td>61.9%</td>
</tr>
</tbody>
</table>
ITN Coverage of Different Groups in Tanzania

ITN Coverage of Different Groups in Tanzania. Source: TNVS Household Surveys

% Sleeping under an ITN on the night before the survey

- Currently pregnant
- Under Fives
- All household members

Affordability of Voucher Nets

- Previous Voucher Value: Tzs 3,250 (USD $2.60)

- Average top up amount:
  - 2005: Tzs 968 (~$0.88)
  - 2006: Tzs 1,149 (~$1)
  - 2007: Tzs 1,601 (~$1.28)
  - 2008: Tzs 2,711 (~$2.08)

- PW voucher redemption rates have declined from 87% at start of programme to 62% (PWV) and 59% (Infants) prior to the introduction of LLIN vouchers
Pregnant Woman Voucher Redemption Rates

PWV Acumulated and Quarterly Redemption Rate

PWV Quarterly RR
PWV Acumulated RR
### Infant Voucher Redemption Rates

#### IV Acumulated and Quarterly Redemption Rate

<table>
<thead>
<tr>
<th></th>
<th>Apr-Jun</th>
<th>Jul-Sep</th>
<th>Oct-Dec</th>
<th>Jan-Mar</th>
<th>Apr-Jun</th>
<th>Jul-Sep</th>
<th>Oct-Dec</th>
<th>Jan-Mar</th>
<th>Apr-Jun</th>
</tr>
</thead>
<tbody>
<tr>
<td>IV Quarterly RR</td>
<td>64%</td>
<td>63%</td>
<td>65%</td>
<td>68%</td>
<td>62%</td>
<td>58%</td>
<td>55%</td>
<td>53%</td>
<td>59%</td>
</tr>
<tr>
<td>IV Acumulated RR</td>
<td>64%</td>
<td>64%</td>
<td>64%</td>
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<td>62%</td>
</tr>
</tbody>
</table>
Tanzania National Voucher Scheme – Upgrade to LLINs

- New voucher (for pregnant women and infants) is redeemable for an LLIN

- Top-up amount is fixed at Tzs 500/= (US $0.38)

- Manufacturer has responsibility to manage supply chain and ensure 500/= top up is not abused

- Manufacturer selected by an international competitive tender; awarded to A-Z Textiles
Tanzania National Voucher Scheme – Upgrade to LLINs

- New voucher introduced in late October 2009 and rolled out nationally by late December

- Old style vouchers already issued can also be exchanged for an LLIN

- Household survey will be conducted in three districts in April to assess acceptance and whether equity issue has been satisfactorily addressed
Under Five Catch-up Campaign
## Under Five Catch-up Campaign

<table>
<thead>
<tr>
<th>Donor</th>
<th>Detail</th>
<th>Amount Millions</th>
<th>% of total</th>
</tr>
</thead>
<tbody>
<tr>
<td>GFATM</td>
<td>LLINS, Distribution &amp; Logistics, Training, BCC, Audit</td>
<td>$23.9</td>
<td>43.7%</td>
</tr>
<tr>
<td>World Bank</td>
<td>LLINs, Logistics</td>
<td>$15.1</td>
<td>27.6%</td>
</tr>
<tr>
<td>PMI</td>
<td>LLINs, Logistics, BCC</td>
<td>$11.7</td>
<td>21.4%</td>
</tr>
<tr>
<td>UNICEF / Malaria No More</td>
<td>LLINs incl delivery</td>
<td>$3.0</td>
<td>5.5%</td>
</tr>
<tr>
<td>SDC</td>
<td>LLINs</td>
<td>$1.0</td>
<td>1.8%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>$54.7</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>
Under Five Catch-up Campaign

- Rolling Campaign – one zone per month (approx)

- Registration of children under five by Village Executive Officers assisted by volunteer staff following training by World Vision

- Publicity and community sensitization by PSI

- Collection of registration data from the villages, wards and districts is coordinated by MEDA
Under Five Catch-up Campaign

- Orders are placed by MEDA and confirmed by NMCP. A-Z deliver to the villages within 30 days.

- Net issuing takes place over three days in a whole zone (Friday – Sunday)

- Hang-up Campaign conducted by Tanzania Red Cross (1-4 months following distribution)
Progress To Date

- Measles – malaria distribution in single region (Tanga: Aug/Sep 2008)
- U5CC Pilot (Mpanda District) Oct 2009
- Main Campaign: March 2009 – March 2010
- 18 of Tanzania’s 21 regions completed
- 7.7 million LLINs issued
- Final zone (Coast) scheduled for March 19-21
U5 CC Challenges

- Delayed signature of RCC grant (late Aug 2008)
- Delayed contracting of sub-recipients (completed Feb – March 2009)
- Original estimate of Under Fives based on NBS projections: 7.2 million
- Revised estimate of LLIN requirement based on registration: 9.3 million
LLIN Shortfall

- During the Mpanda pilot (Oct 08) significant numbers of children came unregistered to distribution days.
- Buffer stocks were introduced at village and district level to manage this issue in subsequent regions.

- Analysis of 4,000 registration records indicated that 7% of children were probably aged 5 and over.
- NBS population projections underestimate the <5 population by 5-15%.
- Additional nets delivered due to bale rounding (3-7%).
- Total variance now estimated at 28% > original estimate.
LLIN Shortfall

- Thanks to additional PMI and SDC funding, the remaining gap is for 846,407 nets required in Dar es Salaam and for LLINs still required in regions already covered.

- The total value of the gap is $4.9 million

- Tanzania is committed to covering this through the re-programming of health basket funding
Household Survey Results
# ITN Coverage (<5) by district

<table>
<thead>
<tr>
<th>District</th>
<th>2008 HH survey % (95%CI)</th>
<th>2009 HH survey % (95%CI)</th>
<th>Absolute percent increase</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mtwara urban</td>
<td>47 (46-60)</td>
<td>61 (52-68)</td>
<td>14</td>
</tr>
<tr>
<td>Nachingwea</td>
<td>14 (9-22)</td>
<td>37 (30-45)</td>
<td>23</td>
</tr>
<tr>
<td>Chato</td>
<td>12 (8-18)</td>
<td>83 (77-88)</td>
<td>71</td>
</tr>
<tr>
<td>Sengerema</td>
<td>30</td>
<td>88 (83-92)</td>
<td>58</td>
</tr>
<tr>
<td>Rorya</td>
<td>17 (13-24)</td>
<td>91 (86-94)</td>
<td>74</td>
</tr>
</tbody>
</table>
ITN Coverage – under-fives by SES

Equity ratio = 1.0

Equity ratio = 0.4

Wealth quintiles

Lake Zone
Southern Zone
Universal Coverage Campaign
Universal Coverage Campaign

- Round 8 grant signed on October 1\textsuperscript{st} (a three month delay vs expected July 1\textsuperscript{st})

- Sub-recipient contracts are in final stages with expected signature by February 15\textsuperscript{th}.

- Bid documents for 14.6 million nets currently awaiting approval from the Global Fund

- Sensitization, training and registration expected to commence in March
Universal Coverage Campaign

- Registration will include issuing a bar coded Electronic Registration Card which will be validated on issuing days by means of a peel-off bar-code sticker included in the net packaging.

- This will allow us to establish an electronic data base of all nets issued in line with GF requirements.

- Plan is to commence UC Campaign on World Malaria Day and complete by October 2010 assuming procurements are completed in time (now very doubtful).
How to sustain universal Coverage after the UCC is complete?

- TNVS is a tried and tested “keep-up” strategy but did not address equity issues and does not reach households without pregnant women or infants.

- 500/= top up may address equity issues but mechanism to reach 25% of households without PWs and infants needs to be defined.

- Broad-scale multi-disciplinary consultancy in 2010/11 to identify way policy and distribution options for “keep-up”
# Acknowledgments

## Donor Partners
- Global Fund
- PMI
- World Bank
- SDC
- Dutch Embassy
- UNICEF
- DFID
- Malaria No More

## Government Partners
- Ministry of Health & Social Welfare / NMCP
- Local Government (PM-RALG)
- Regional and District Health Management Teams

## Contracting Partners
- Swiss Trop. Inst.
- MEDA
- PSI
- World Vision
- IHI
- LSHTM
- KPMG
- JHU-CCP
- COMMIT
- Tanzania Red Cross

## Private Sector Partners
- A-Z Textiles
- Sunflag
- TMTL
- Motex
- 251 wholesalers
- 6,661 retailers
- 3 insecticide manufacturers
Ahsante sana!