Scalable Vector Control - Zambia Experience

WIN Meeting - Basel
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Zambia
Background (1)

- Zambia is in Southern Africa
- Population - 11 million
- Crude death rate - 21.46/1000
- 20% of all deaths are attributable to malaria
- Malaria is the leading cause of illness and death in Zambia
  - 4 million cases per year
  - An estimated 50,000 deaths per year
Background (2)

- Malaria devastates families and economies and contributes to
  - Poor birth outcomes
  - School and work place absenteeism
  - Low productivity
  - High government expenditure e.g. on drugs

- It is preventable and curable

- If Malaria is not addressed, 6 of the 8 MDGs may not be achieved
National Goals by end of 2008

- At least 80% of the population sleeping under an ITN
- At least 85% of people living in eligible households in the 22 targeted districts, have their homes sprayed annually
- At least 80% of pregnant women have access to three courses of IPT and be sleeping under an ITN
- At least 80% of malaria patients are diagnosed and treated within 24 hours of onset of symptoms
• Distributed over 2 million ITNs between January and September 2007
• On track to distribute 3 million ITNs by December, 2007

ITN Distribution 2004 – 2007 (Sept.) all programmes

Source: NMCC, ITN distribution database
Insecticide Treated Nets

- Distribution mechanisms
  - Free mass distribution including pregnant women and under five children; Households registered before distribution
  - Equity nets to vulnerable populations
  - Commercial sale of ITNS

- Direct distribution of nets from port of entry to districts
  - Reduced distribution costs
  - Reduced time to usage
  - Reduced storage requirements

- ITN guidelines developed
- Local ITN Technical Working Group meeting
Achievements (2)

Sources: 2001: DHS; 2004: 10-district RBM household survey; 2006: MIS
Malaria Indicator Survey

- Has shown evidence of impact of the scale-up of interventions
- Children under 6yrs in a house with 2 or more nets had 38% less reported fever than those without a net or IRHS
- Children in a house with 2 or more nets had 30% less severe anaemia than those without a net
- IPT coverage 62% passed Abuja target
Geo-coded district

Distribution of Bednets in Livingstone District

Map Description
The map shows the distribution of bednets based on the responses from the households. The red areas show the households who do not possess a single bed net.

Current Household Status
- 8059 without a single bednet
- 7849 with 1 to 3 bednets
- 1172 with more than 3 bednets

Other Statistics
- 16,448 bednets
- 99,180 people
- 24,130 structures

Legend
- Geocoded structures
- Tarmac road
- Gravel road
- Dambo
- Zambesi river
- Roads
- Maintained road
- Pan
- Livingstone district boundary

Distribution of Bednets
NumNets
- 0
- 1 - 3
- >3
- Centre of Town

Geocoded structures
Indoor Residual House Spraying (IRS)

In 2005/2006, sprayed 250,000 structures in 15 target districts, protecting over 1.5 million people.

In 2007/2008, IRS campaign, on track to spray 700,000 structures representing 3.2 million population to be protected.
Other interventions

- **Case management**
  - Nationwide roll out of ACTs and RDTs
  - Home management of malaria using CHW
    - Needs assessment in nine (9) districts and Job aids developed

- **IEC and Operations Research strengthened**
  - Cross cutting, Integrated
  - Communication strategy developed
  - Media & Traditional leaders (Chiefs) sensitized
  - Developed research guidelines for districts

- **Monitoring & Evaluation**
  - M&E plan
  - Malaria database established
Facility data shows clear reduction in malaria deaths
Source: HMIS
Challenges

- Inadequate Resources
  - Human resource at all levels
  - Financial gaps

- Maintaining momentum for the ‘three ones’

- Demonstrating impact
  - Meeting expectations for the set targets
  - Towards malaria ‘eradication’
Thank You

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