

# MERG Achievements including: Malaria Indicator Surveys

A brief overview



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Evaluation

# A brief history of the MERG

- Roll Back Malaria 5-year Evaluation
    - Included evaluation of M&E component of RBM
    - Recommended establishment of M&E advisory body
  - Monitoring and Evaluation Reference Group (MERG) established as Working Group for RBM
  - Membership: UNICEF, WHO, Global Fund, World Bank, USAID, CDC, MACEPA, Malaria Consortium, Measure Evaluation, Measure DHS, technical experts, representatives of national Malaria Control Programs
  - Meet 2x year with separate task force meetings on special topics as necessary
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# Initial Priorities of MERG

- Standardization of national coverage indicators
- Development of 'modules' for data collection in existing survey efforts (DHS, MICS)
- Development of 'stand-alone' survey (later known as the Malaria Indicator Survey (MIS))
  - intervals between large national surveys
  - timely, comparable malaria information
- Package of implementation materials developed: sampling guide, interviewer guide supervision guide, etc.

# Survey tool components

- Two types of questionnaires
  - Household Questionnaire
  - Woman's Questionnaire
- Purpose
  - To provide *reliable* information on malaria interventions at the national level and for population subgroups
  - To allow calculation of standard Roll Back Malaria indicators
  - To meet country-specific needs for monitoring and evaluation of malaria programs
  - NOT intended to replace routine monitoring and surveillance

# Household Questionnaire

- Household listing
- Information needed to calculate a household wealth index
- Questions on indoor residual spraying (IRS)
- Questions on ownership and use of mosquito nets
- Anemia and malaria prevalence

		NET # 1	NET #2	NET #3
18	ASK RESPONDENT TO SHOW YOU THE NET(S) IN THE HOUSEHOLD. IF MORE THAN THREE NETS, USE ADDITIONAL QUESTIONNAIRE(S).	OBSERVED.....1 NOT OBSERVED.....2	OBSERVED.....1 NOT OBSERVED.....2	OBSERVED.....1 NOT OBSERVED.....2
19	How long ago did your household obtain the mosquito net?	AGO <input type="text"/> MORE THAN 3 YEARS AGO.....95	MOS AGO <input type="text"/> MORE THAN 3 YEARS AGO.....95	MOS AGO <input type="text"/> MORE THAN 3 YEARS AGO.....95
20	OBSERVE OR ASK THE BRAND OF MOSQUITO NET.	'PERMANENT' NET BRAND A.....11 BRAND B.....12 DK BRAND.....18 (SKIP TO 24)= 'PRETREATED' NET <sup>2</sup> BRAND C.....21 BRAND D.....22 DK BRAND.....28 (SKIP TO 22)= OTHER.....31 NOT SURE.....98	'PERMANENT' NET BRAND A.....11 BRAND B.....12 DK BRAND.....18 (SKIP TO 24)= 'PRETREATED' NET <sup>2</sup> BRAND C.....21 BRAND D.....22 DK BRAND.....28 (SKIP TO 22)= OTHER.....31 NOT SURE.....98	'PERMANENT' NET BRAND A.....11 BRAND B.....12 DK BRAND.....18 (SKIP TO 24)= 'PRETREATED' NET <sup>2</sup> BRAND C.....21 BRAND D.....22 DK BRAND.....28 (SKIP TO 22)= OTHER.....31 NOT SURE.....98
21	When you got the net, was it already treated with an insecticide to kill or repel mosquitoes?	YES.....1 NO.....2 NOT SURE.....8	YES.....1 NO.....2 NOT SURE.....8	YES.....1 NO.....2 NOT SURE.....8
22	Since you got the mosquito net, was it ever soaked or dipped in a liquid to repel mosquitoes or bugs?	YES.....1 NO.....2 (SKIP TO 24)= NOT SURE.....8	YES.....1 NO.....2 (SKIP TO 24)= NOT SURE.....8	YES.....1 NO.....2 (SKIP TO 24)= NOT SURE.....8
23	How long ago was the net last soaked or dipped? IF LESS THAN 1 MONTH, RECORD >00'.	MOS AGO <input type="text"/> MORE THAN 3 YEARS AGO.....96 NOT SURE.....98	MOS AGO <input type="text"/> MORE THAN 3 YEARS AGO.....96 NOT SURE.....98	MOS AGO <input type="text"/> MORE THAN 3 YEARS AGO.....96 NOT SURE.....98
24	Did anyone sleep under this mosquito net last night?	YES.....1 NO.....2 (SKIP TO 26)= NOT SURE.....8	YES.....1 NO.....2 (SKIP TO 26)= NOT SURE.....8	YES.....1 NO.....2 (SKIP TO 26)= NOT SURE.....8
<sup>1</sup> 'Permanent' is a pretreated net that does not require any further treatment. <sup>2</sup> 'Pretreated' is a net that has been pretreated, but requires further treatment after 6-12 months.				

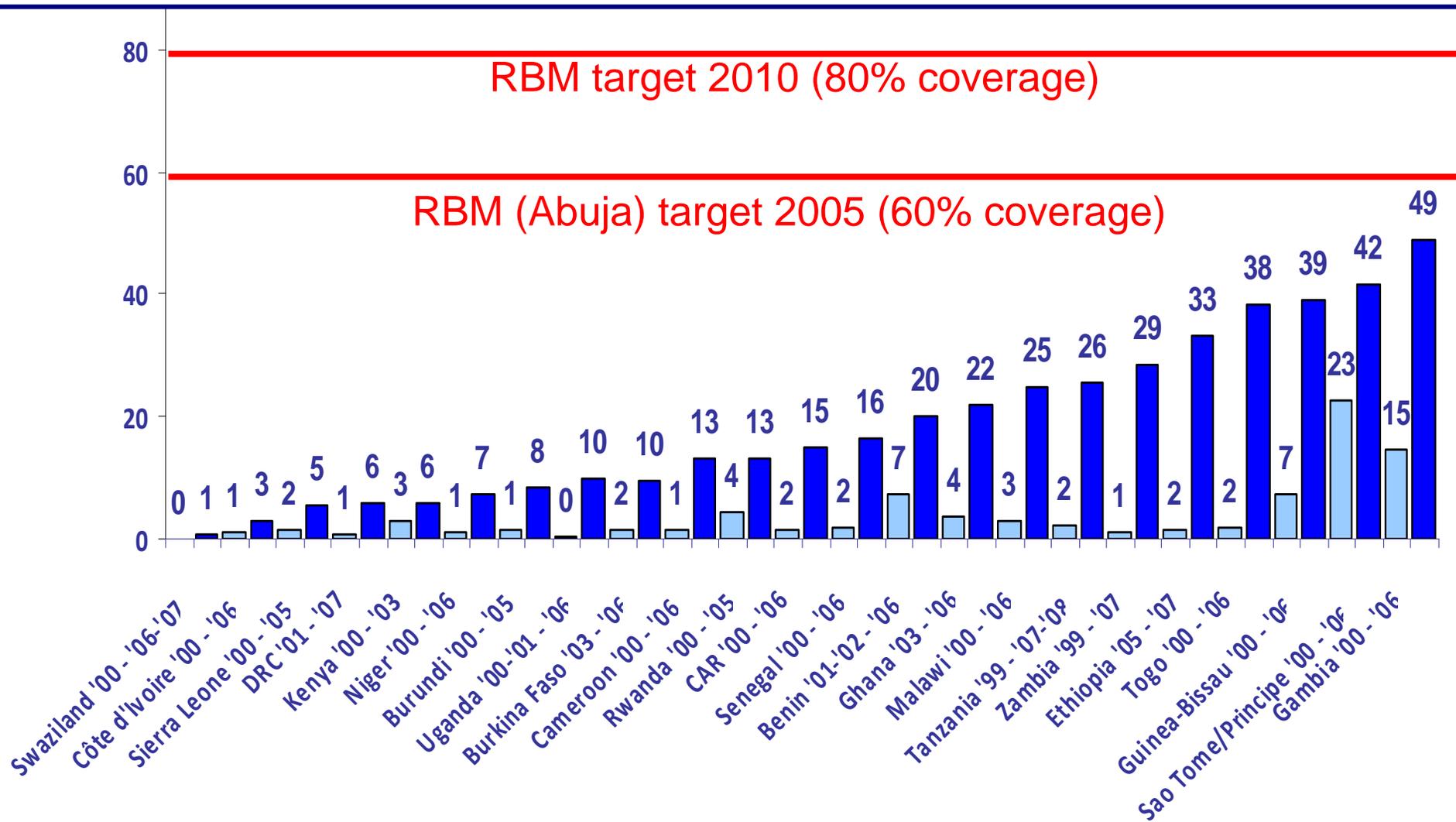
# Women's Questionnaire

- Questions on treatment of fever in young children (under five years of age)
- Questions on Intermittent Preventive Treatment (IPT) during most recent pregnancy
- Partial birth history

# Biomarkers

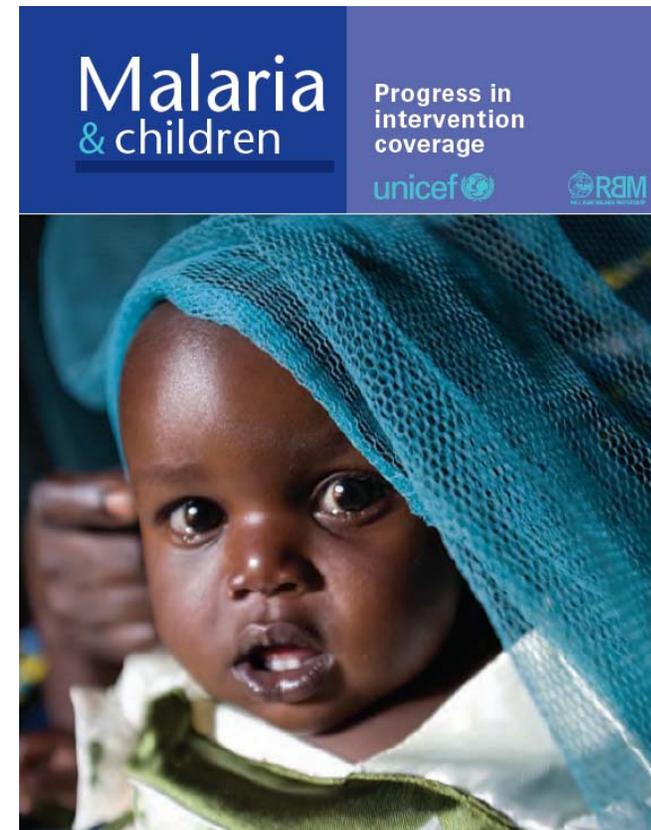
- Anemia –
  - Anemia testing done on all children under 5
  - Standard in DHS, MIS
- Parasitemia
  - Parasitemia testing done on all children under 5
  - Microscopy for survey purposes, RDTs for field treatment
  - Standard in MIS

# Cross-national comparisons



# Publications of survey data

- Data from the new standardized surveys have been used in the following reports:
    - Africa Malaria Report (2003)
    - World Malaria Report (2005)
    - Malaria in Children Report (2007)
    - World Malaria Report (2008)
- Numerous journal articles and other publications



# Workshops on MIS implementation

- Zambia (Anglophone Africa) – Sept. 2008
- Senegal (Francophone Africa) – Oct. 2008
- Participants: NMCP staff, representatives of donor community, other technical experts
- Content: Workshops aimed to familiarize NMCP staff with the structure and implementation of MIS. Topics included: Survey tools, sampling, use of PDAs, biomarker collection, analysis, etc.

# Other MERG activities

- Guidance on mortality estimation for impact monitoring
- M&E support to Global Malaria Action Plan, AMfM workplan, etc.
- M&E Capacity building through assessments, trainings, workshops



# THANK YOU!



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