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The DHS Program

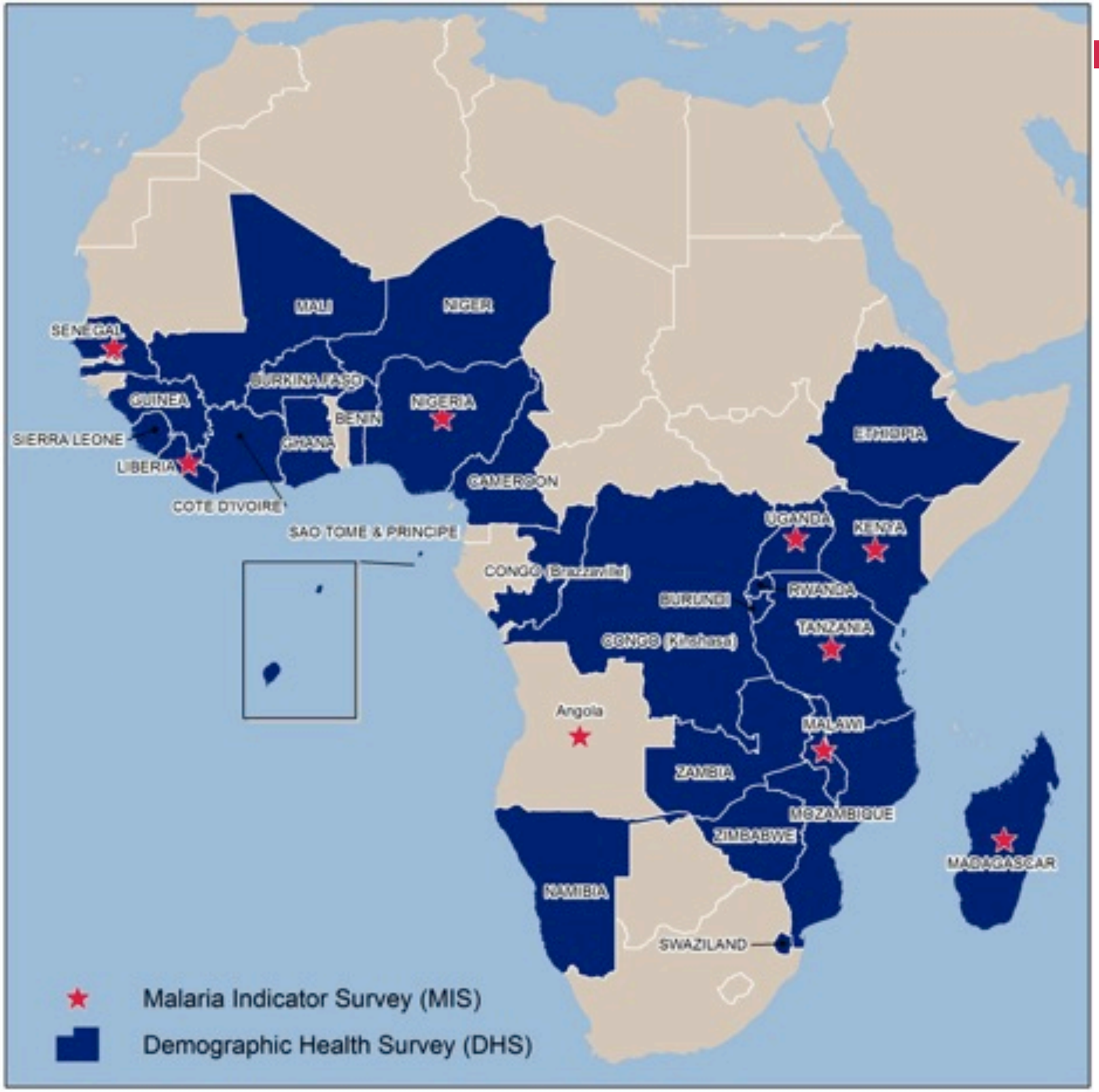
Demographic and Health Surveys

Collecting Data on Malaria in Household Surveys

Measurement Tools

- **Demographic and Health Survey (DHS)**
  nationally representative, population-based surveys every 4-5 years. Includes malaria-related questions.
- **Malaria Indicator Survey (MIS)**
  indicators include mosquito net ownership and use, IPTp, prevalence and treatment of fever in children; can include testing for malaria or anemia; shorter than full DHS to allow for more frequent monitoring.
- **Multiple Indicator Cluster Survey (MICS)**
  nationally representative, population-based surveys by UNICEF every 3 years. Includes optional module for malaria but not all indicators presented.

DHS and MIS Surveys



Biomarker Testing in the MIS and DHS

- Malaria-related biomarkers:
  - Anemia Testing
  - Parasitemia Testing:
    - Rapid Diagnostic Test
    - Microscopy
- Children usually age 6-59 months that spent the night prior to survey in household are tested for malaria and anemia.

Core Outcome Indicators

Intervention	Indicator Description
Prevention: Vector Control	1. Proportion of households with at least one ITN
	2. Proportion of households with at least one ITN for every two people
	3. Proportion of population with access to an ITN within their household
	4. Proportion of population which slept under an ITN the previous night
	5. Proportion of children under 5 years old who slept under an ITN the previous night
	6. Proportion of pregnant women who slept under an ITN the previous night
	7. Proportion of households with at least one ITN and/or sprayed by IRS in the last 12 months
Prevention: IPT	8. Proportion of women who received IPTp during antenatal care visits during last pregnancy in the past 2 years.
Case Management	9. Proportion of children under 5 years with fever in the last 2 weeks who had a finger or heel stick
	10. Proportion of children under 5 years with fever in last 2 weeks for who advice or treatment was sought
	11. Proportion receiving first-line treatment according to National Policy among children under 5 years with fever in the last 2 weeks who received any antimalarial drugs

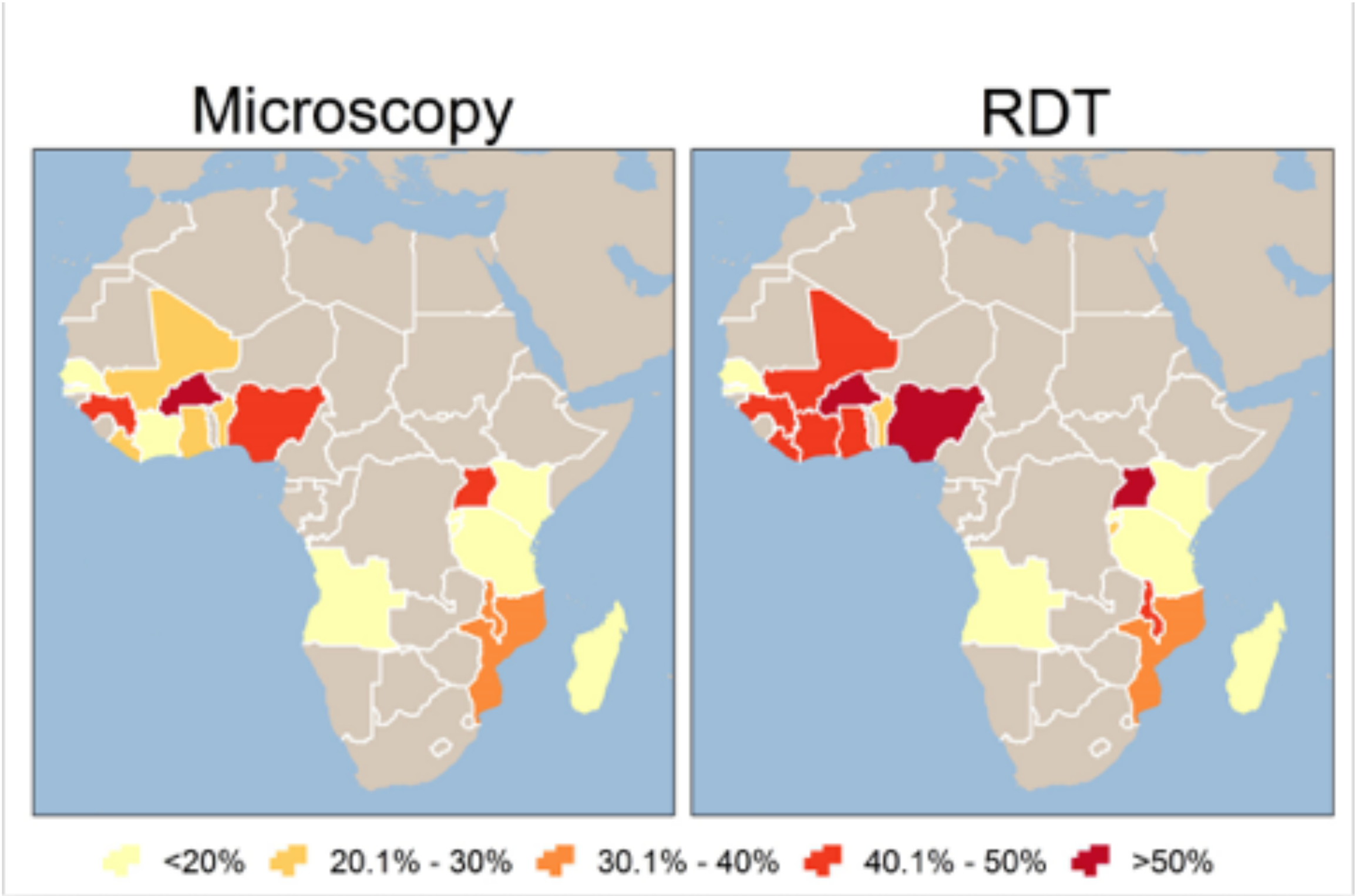
Information provided by Roll Back Malaria

Core Impact Measures

RBM Impact Measures	Indicator Description
Mortality Indicator	1. All-cause under 5 mortality rate (5q0).
Morbidity Indicators	2. Parasitemia Prevalence: proportion of children aged 6-59 months with malaria infection.
	3. Anemia Prevalence: proportion of children aged 6-59 months with a hemoglobin measurement of <8 g/dL

Information provided by Roll Back Malaria

Malaria Prevalence of Children Age 6-59 months



Data Dissemination and Use

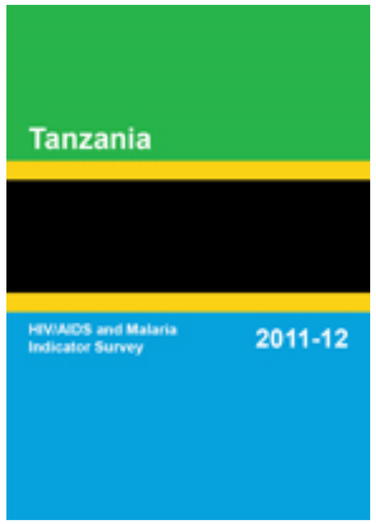
Widespread dissemination of DHS & MIS results:

- Promotes evidence-based decision-making
- Leads to better health policies and programs
- Improves health outcomes

Dissemination and use activities:

- Distribution of print materials (final report, Key Findings report, factsheets) and survey datasets
- National seminar PowerPoint presentations
- Further analysis of DHS & MIS results
- Special seminars and workshops targeting data users

2011-12 Tanzania HIV & Malaria Indicator Survey (THMIS)



- National Seminar with President Jakaya Kikwete in March 2013
- Dissemination materials
- Zonal and community seminars
- Femina HIP magazine and television program
- Journalist workshop with 25 local journalists
- Policy brief workshop and publication of policy briefs on malaria prevalence, diagnosis & treatment, and malaria prevention
- *Kufuaau Kupona (Fever Road)* movie

Kufuaau Kupona (Fever Road) Video

- 27-minute video featuring 3 true stories about malaria based on THMIS results
- Produced by MFDI in collaboration with NMCP, MOH, Communication and Malaria Initiative (COMMIT), and the Tanzania Capacity and Communication Project (TCCP)

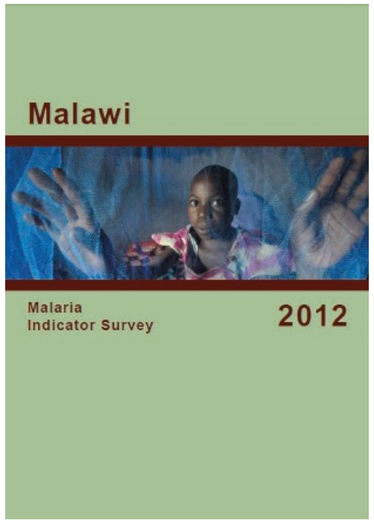
- Distribution:
  - 7000 DVDs and 5000 posters
  - Broadcast on 6 national TV stations
  - Community showings by USAID projects with mobile vans
  - Tanzania Video Library Association
  - Distributed to health care facilities with DVD players
  - Swahiliwood YouTube
  - Refugee camps throughout Africa

2012-13 Senegal Continuous DHS Year 1

- National Seminar September 2013
- Journalists workshop with 21 local journalists
- Data use workshop February 2014 with 40 Participants from NMCP, Regional Head Doctors, & District Head Doctors
  - Reviewed Continuous Survey and NMCP Strategic Plan & identified key actions to be completed within 6 months of workshop
  - Follow-up survey indicated survey data had been used for decisionmaking and priority actions had been undertaken

2012 Malawi Malaria Indicator Surveys (MMIS)

- National Seminar in March 2013 along with launch of 6 NMCP malaria research publications
- Live tweeting and other social media
- Journalists workshop with 18 local journalists
- Pilot of the malaria module of the DHS Curriculum with staff and students from Chancellor College and representatives from the National Statistics Office (NSO)



Thanks!

For more information visit:

www.DHSprogram.com
www.malariasurveys.org
Malaria Access video:
https://youtu.be/YfTXcc13GOI

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