

## **Malaria Decision Analysis Support Tool: Evaluating Health, Social, and Environmental Impacts and Policy Tradeoffs**

### **Background information for respondents**

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This survey is part of a collaborative research initiative whose objective is to develop recommendations for improvements in the design and implementation of malaria control policy. The collaboration involves several institutions, including UNEP/GEF, WHO-AFRO, National Institute for Medical Research (Tanzania), Division of Malaria Control (Kenya), Vector Control Division-Ministry of Health (Uganda), Duke University (USA) and University of Pretoria (South Africa).

You have been selected to provide your views because of your expertise or involvement in malaria control policy and research. Your responses are therefore very important for the survey. Please be assured that the information you provide will be treated as confidential.

It should take about 15 minutes to complete the survey. Your participation is completely voluntary—you may skip any questions that you want, and you may stop at any point. There is no right or wrong answer to any question.

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### **Section I: Personal Information**

**Name:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**1. Please tell us the type of organization for which you work. Please check only one category**

- Government
- University/Research Institution
- Donor Agency
- NGOs/Civil Societies/Faith-based Organization
- Other (Please specify) \_\_\_\_\_

**2. Please tell us in which sector you primarily work. Please check only one category**

- Health
- Environment
- Agriculture
- Education
- Finance/Trade
- Other (Please specify) \_\_\_\_\_

**Section II: National Malaria Control Decision Making**

**3a. Please tell us who is involved in determining malaria control policy in your country.  
Please check all that apply**

Government Ministries:

- Ministry of Health
- Ministry of Environment
- Ministry of Agriculture
- Ministry of Finance
- Other (Please specify) \_\_\_\_\_

Other Government Officials:

- Members of Parliament
- Prime Minister
- Vice President
- President

Universities/ Research Institutions

please list: \_\_\_\_\_  
\_\_\_\_\_

Donor agencies:

please list: \_\_\_\_\_  
\_\_\_\_\_

NGOs/ Civil Societies/ Faith-based Organizations:

please list: \_\_\_\_\_  
\_\_\_\_\_

Others:

please list: \_\_\_\_\_  
\_\_\_\_\_

**3b. Which of the above (3a) has primary responsibility for determining national malaria control policies:**

\_\_\_\_\_

**4. In your opinion, are there any other people or organizations that *should* be included in malaria control policy making?**

Yes  No

Please list: \_\_\_\_\_

**5. How frequently does the agency with main responsibility for malaria control policies meet with each of the following actors to discuss malaria control issues?**

	<i>Never</i>	<i>Occasionally</i>	<i>Frequently</i>	<i>Don't know</i>		
Members of Parliament	1	2	3	4	5	X
Executive Government (President, VP, PM)	1	2	3	4	5	X
Ministry of Environment	1	2	3	4	5	X
International donor agencies	1	2	3	4	5	X
University researchers	1	2	3	4	5	X
NGOs/Civil Societies/Faith-based Organizations	1	2	3	4	5	X

**6. How important is each of the following factors currently in determining your country's national malaria control policies?**

	<i>Not important</i>	<i>Neutral</i>	<i>Very important</i>	<i>Don't know</i>		
Costs of alternative strategies	1	2	3	4	5	X
Opinions of key leaders	1	2	3	4	5	X
Scientific research	1	2	3	4	5	X
Donor preferences/agenda	1	2	3	4	5	X
Popular pressure/opinion	1	2	3	4	5	X
Other: _____	1	2	3	4	5	X

**7. Now please tell us how important do you think these factors should be in determining your country's national malaria control policies**

	<i>Not important</i>	<i>Neutral</i>	<i>Very important</i>	<i>Don't know</i>		
Costs of alternative strategies	1	2	3	4	5	X
Opinions of key leaders	1	2	3	4	5	X
Scientific research	1	2	3	4	5	X
Donor preferences/agenda	1	2	3	4	5	X
Popular pressure/opinion	1	2	3	4	5	X
Other: _____	1	2	3	4	5	X

### Section III: Criteria and indicators for policy decisions

#### 8. How important are the following objectives as currently considered by policymakers in deciding among alternative malaria control policies?

	<i>Not important</i>		<i>Neutral</i>		<i>Very important</i>	<i>Don't Know</i>
Reducing malaria prevalence/incidence	1	2	3	4	5	X
Reducing the risk of epidemics	1	2	3	4	5	X
Minimizing costs	1	2	3	4	5	X
Minimizing environmental impacts	1	2	3	4	5	X
Reducing poverty	1	2	3	4	5	X
Avoiding impacts on international trade and tourism	1	2	3	4	5	X
Other: _____	1	2	3	4	5	X

#### 9. How important should these objectives be in considerations by policymakers among alternative malaria control policies?

	<i>Not important</i>		<i>Neutral</i>		<i>Very important</i>	<i>Don't Know</i>
Reducing malaria prevalence/incidence	1	2	3	4	5	X
Reducing the risk of epidemics	1	2	3	4	5	X
Minimizing costs	1	2	3	4	5	X
Minimizing environmental impacts	1	2	3	4	5	X
Reducing poverty	1	2	3	4	5	X
Avoiding impacts on international trade and tourism	1	2	3	4	5	X
Other: _____	1	2	3	4	5	X

**10. How important are the following indicators of the human health impacts of malaria for policymakers?**

	<i>Not important</i>		<i>Neutral</i>		<i>Very important</i>	<i>Don't Know</i>
Malaria prevalence/incidence	1	2	3	4	5	X
Malaria prevalence among children	1	2	3	4	5	X
Malaria prevalence among pregnant women	1	2	3	4	5	X
Number of uncomplicated malaria cases	1	2	3	4	5	X
Number of uncomplicated malaria cases among children	1	2	3	4	5	X
Number of uncomplicated malaria cases among pregnant women	1	2	3	4	5	X
Number of severe malaria cases	1	2	3	4	5	X
Number of severe malaria cases among children	1	2	3	4	5	X
Number of severe malaria cases among pregnant women	1	2	3	4	5	X
Malaria-related mortality	1	2	3	4	5	X
Overall child mortality	1	2	3	4	5	X
Overall mortality	1	2	3	4	5	X
Other: _____	1	2	3	4	5	X

**11. How important are the following risks for human health impacts of malaria control activities?**

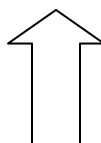
	<i>Not important</i>		<i>Neutral</i>		<i>Very important</i>	<i>Don't Know</i>
Exposure of residents to toxic chemicals	1	2	3	4	5	X
Exposure of control sprayers to toxic chemicals	1	2	3	4	5	X
Adverse effects of drug treatments	1	2	3	4	5	X
Allergy to nets/pesticides	1	2	3	4	5	X
Vector and parasite resistance	1	2	3	4	5	X
Other: _____	1	2	3	4	5	X

## Section IV: Malaria Control

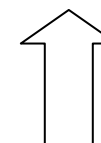
### Part A: Vector Control

12. In a malaria control program, how important are the following factors when deciding on the use of Insecticide-Treated Nets (ITNs) or Long-Lasting Insecticide-Treated Nets (LLINs)?

	<u>Insecticide-Treated Nets (ITNs)</u>						<u>Long-Lasting Insecticide-Treated Nets (LLINs)</u>					
	<i>Not important</i>	<i>Neutral</i>	<i>Very important</i>	<i>Don't know</i>			<i>Not important</i>	<i>Neutral</i>	<i>Very important</i>	<i>Don't know</i>		
Costs	1	2	3	4	5	X	1	2	3	4	5	X
Effectiveness against malaria	1	2	3	4	5	X	1	2	3	4	5	X
Other human health impacts	1	2	3	4	5	X	1	2	3	4	5	X
Environmental impacts	1	2	3	4	5	X	1	2	3	4	5	X
Compliance/consistent use of nets by target population	1	2	3	4	5	X	1	2	3	4	5	X
Long term financial sustainability	1	2	3	4	5	X	1	2	3	4	5	X
Vector resistance	1	2	3	4	5	X	1	2	3	4	5	X
Other: _____	1	2	3	4	5	X	1	2	3	4	5	X



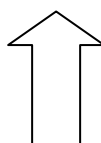
Please respond for both  
ITNs and LLINs



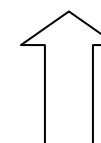
**Section IV****Part A: Vector Control**

**13. In a malaria control program, how important are the following factors when deciding on the use of indoor residual spraying (IRS) using pyrethroids or DDT?**

	Indoor Residual Spraying (IRS) using pyrethroids					<i>Don't know</i>	Indoor Residual Spraying (IRS) using DDT					<i>Don't know</i>
	<i>Not important</i>	<i>Neutral</i>	<i>Very important</i>				<i>Not important</i>	<i>Neutral</i>	<i>Very important</i>			
Costs	1	2	3	4	5	X	1	2	3	4	5	X
Effectiveness against malaria	1	2	3	4	5	X	1	2	3	4	5	X
Other human health impacts	1	2	3	4	5	X	1	2	3	4	5	X
Environmental impacts	1	2	3	4	5	X	1	2	3	4	5	X
Compliance/acceptance by target population	1	2	3	4	5	X	1	2	3	4	5	X
Long term financial sustainability	1	2	3	4	5	X	1	2	3	4	5	X
Vector resistance	1	2	3	4	5	X	1	2	3	4	5	X
Trade restrictions (e.g., agricultural, horticultural, fisheries exports)	1	2	3	4	5	X	1	2	3	4	5	X
Other: _____	1	2	3	4	5	X	1	2	3	4	5	X



Please respond for both  
Pyrethroids and DDT



**14. In a malaria control program, how important are the following factors when deciding on the use of larvicides?**

	<i>Not important</i>		<i>Neutral</i>		<i>Very important</i>	<i>Don't Know</i>
	1	2	3	4	5	X
Costs	1	2	3	4	5	X
Effectiveness against malaria	1	2	3	4	5	X
Other human health impacts	1	2	3	4	5	X
Environmental impacts	1	2	3	4	5	X
Compliance/acceptance by target population	1	2	3	4	5	X
Long term financial sustainability	1	2	3	4	5	X
Vector resistance	1	2	3	4	5	X
Trade restrictions (e.g., agricultural, horticultural, fisheries exports)	1	2	3	4	5	X
Other: _____	1	2	3	4	5	X



**Section IV Part B: Treatment**

**15. In a malaria control program, how important are the following factors when deciding on the use of artemisinin combination therapies (ACTs) for malaria treatment?**

	<i>Not important</i>		<i>Neutral</i>		<i>Very important</i>	<i>Don't Know</i>
	1	2	3	4	5	X
Costs	1	2	3	4	5	X
Effectiveness against malaria	1	2	3	4	5	X
Drug side effects	1	2	3	4	5	X
Acceptance by target population	1	2	3	4	5	X
Service delivery	1	2	3	4	5	X
Compliance with drug regimens	1	2	3	4	5	X
Long term financial sustainability	1	2	3	4	5	X
Parasite resistance to antimalarial drugs	1	2	3	4	5	X
Other: _____	1	2	3	4	5	X

**17. How important are the following factors when deciding on the use (in a malaria control program) of **intermittent preventative treatment for pregnant women and infants (IPTp and IPTi)?****

	<i>Not important</i>		<i>Neutral</i>		<i>Very important</i>	<i>Don't Know</i>
	1	2	3	4	5	X
Costs	1	2	3	4	5	X
Effectiveness against malaria	1	2	3	4	5	X
Drug side effects	1	2	3	4	5	X
Acceptance by medical professionals	1	2	3	4	5	X
Acceptance by target population	1	2	3	4	5	X
Service delivery	1	2	3	4	5	X
Compliance with drug regimens	1	2	3	4	5	X
Long term financial sustainability	1	2	3	4	5	X
Parasite resistance to antimalarial drugs	1	2	3	4	5	X
Other: _____	1	2	3	4	5	X

**Section IV Part C: Diagnosis**

**18.** How important are the following factors when deciding on the use (in a malaria control program) of **Rapid Diagnostic Tests (RDTs) for the diagnosis of malaria?**

	<i>Not important</i>		<i>Neutral</i>		<i>Very important</i>	<i>Don't Know</i>
Costs	1	2	3	4	5	X
Effectiveness/Accuracy	1	2	3	4	5	X
Acceptance by medical professionals	1	2	3	4	5	X
Acceptance by target population	1	2	3	4	5	X
Long term financial sustainability	1	2	3	4	5	X
Other: _____	1	2	3	4	5	X

**19.** How important are the following factors when deciding on the use (in a malaria control program) of **microscopy for the diagnosis of malaria?**

	<i>Not important</i>		<i>Neutral</i>		<i>Very important</i>	<i>Don't Know</i>
Costs	1	2	3	4	5	X
Effectiveness/Accuracy	1	2	3	4	5	X
Acceptance by medical professionals	1	2	3	4	5	X
Acceptance by target population	1	2	3	4	5	X
Long term financial sustainability	1	2	3	4	5	X
Other: _____	1	2	3	4	5	X

**20.** How important are the following factors when deciding on the use (in a malaria control program) of **clinical diagnosis of malaria?**

	<i>Not important</i>		<i>Neutral</i>		<i>Very important</i>	<i>Don't Know</i>
Costs	1	2	3	4	5	X
Effectiveness/Accuracy	1	2	3	4	5	X
Acceptance by medical professionals	1	2	3	4	5	X
Acceptance by target population	1	2	3	4	5	X
Long term financial sustainability	1	2	3	4	5	X
Other: _____	1	2	3	4	5	X

**Section V: Challenges**

**21. Please tell us about any challenges, obstacles, or other issues involved in formulating a national malaria control strategy and combating malaria in your country.**

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**22. If you have any comments, concerns, or suggestions, please note them here:**

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**Thank you for taking the time to fill out this survey.**