



## AMAZON MALARIA INITIATIVE (AMI) AMAZON NETWORK FOR SURVEILLANCE OF ANTIMALARIAL DRUG RESISTANCE (RAVREDA)

XI Annual Evaluation Meeting

Antigua, Guatemala

19 to 23 March 2012

### Objectives:

- a. Review the activity progress during last year.
- b. Review the implementation of the developed instruments, analyze the progress and lessons learned.
- c. Propose future work plans in the context of the Strategy and Plan of Malaria of PAHO (Resolution CD51.R9, Directing Council PAHO, Sept. 2011)

### Agenda

Monday, 19 March 2012	
08:30–09:00	Registration
09:00-09:30	<b>Welcome and Introduction to the Meeting</b> Representative, Ministry of Health of Guatemala Representative, USAID Representative, PAHO/WHO Guatemala Representative
09:30–09:45	General considerations of the Meeting, presentation of the participants, and introduction to the seminar K. Carter/J. Chang  Regional Situation: Implemented actions and challenges to the achievement of the goals established at the global level (RBM and MDG) and the increase of cases observed in some countries or areas (:15) K. Carter
9:45–10:45	<b>Seminar: Malaria in populations living in special circumstances</b>  Objectives <ol style="list-style-type: none"> <li>1. Review the concept of “populations living in special circumstances”</li> <li>2. Examine epidemiology of malaria in the “populations living in special circumstances” in the Region of the Americas, and in other areas at the global level through examples</li> <li>3. Highlight the need for working with the “populations living in special circumstances” systematically and systemically.</li> <li>4. Provide lines of approach for work with the “populations living in special circumstances”</li> </ol>

	<p>Concept of "populations living in special circumstances", Whom? How are they defined? Is a review of the definition necessary? (:15) J. Chang</p> <p>Examples of epidemiology of malaria in "populations living in special circumstances"</p> <p>Experience in the Americas</p> <p>Suriname–Miners (:15)</p> <p>Brazil–Populations in borders (:15)</p> <p>Experience in other endemic Regions</p> <p>ASIA/Mekong (:15) A. Smith-Arthur</p>
<b>10:45–11:00</b>	<b>Coffee Break</b>
11:00–12:30	<p>AFRICA (:15) T. Ruebush</p> <p>Discussion (:15)</p> <p>Considerations on health determinants in populations living in special circumstances. (:15) K. Carter</p> <p>Recent experiences of the National Liaison Centers with malaria in populations living in special circumstances (:15) M. Guardo</p> <p>Proposal of basic guidelines for the work of prevention and control of malaria in populations living in special circumstances under AMI/RAVREDA (:15) M. Sojo-Milano</p> <p>Discussion (:15)</p>
<b>12:30–14:00</b>	<b>Lunch</b>
14:00–16:00	<p><b>SESSION 1: Re-introduction of malaria - A real and current risk</b></p> <p>Objectives:</p> <ol style="list-style-type: none"> <li>1. Examine the risk of the re-introduction or reappearance of malaria in areas where the transmission has been interrupted</li> <li>2. Improve the knowledge and comprehension on the dynamic of the re-introduction or reappearance of malaria</li> <li>3. Identify the necessary response in situations of re-introduction of malaria and to outbreaks (not only what is related to the control but to the study of what occurs)</li> <li>4. Discuss the scheme of a guide for acting in these situations</li> </ol> <p>The reappearance of <i>P. falciparum</i> in Tumbes, Peru (:45) DIRESA Tumbes-NAMRU/PER</p> <p>Ecology of the re-introduction–regarding cases of reappearance of malaria in the recent history (emphasis on the determinants) (:15) CDC</p> <p>Available tools for analyzing the situation from the study of the circulating strains (:15) V. Udhayakumar</p> <p>Example of re-introduction of cases of malaria and response to outbreak in Jamaica. (:15) K. Carter</p> <p>Scheme of a guide for response to outbreaks (:15) CDC</p> <p>Discussion (:15)</p>

<b>16:00-16:15</b>	<b>Coffee break</b>
16:15-17:45	<p><b>The decentralization of health systems and malaria control programs</b></p> <p>Objectives:</p> <ol style="list-style-type: none"> <li>1. Present a frame of reference for the subject approach</li> <li>2. Know how the decentralization (and the integration) have impacted the ability to prevent and control malaria in the countries</li> <li>3. Draft the implications for our plans</li> </ol> <p>Case presentation (Ecuador) (:15)</p> <p>Framework for coming close to the impact of the decentralization on the national programs for prevention and control of malaria (:15) L.F. Llanos</p> <p>Advances in the assessment of impact of the decentralization on the national programs for prevention and malaria control:</p> <ul style="list-style-type: none"> <li>• Findings of the study conducted in Guyana by Dr. Alberto Narváez (:15) N. Ceron</li> <li>• Thoughts on decentralization of the malaria programs in other countries of the Region (:15) L.F. Llanos</li> </ul> <p>Discussion: Implications of the findings for the National Plans (:15)</p>
<b>Tuesday, 20 March 2012</b>	
09:00–10:40	<p>Summary of the external evaluation of AMI/RAVREDA, 2011 (:15) G. Schmunis</p> <p>Discussion (:25)</p> <p><b>SESSION 2: ACCESS AND QUALITY OF DIAGNOSIS</b></p> <p>Strengthening of the access to the diagnosis for malaria: Challenges and experiences in the following countries:</p> <p>Expansion of the network of diagnosis and its quality control (:15) BRA</p> <p>Productive capacity for the malaria diagnosis at local level and introduction of the RDT for expansion to access. Opportunities and challenges (:15) ECU</p> <p>Challenges in the maintenance of human resources trained in the diagnosis of malaria. Activities and tools implemented (:15) COL</p> <p>Monitoring of the deletion of the HRP2/HRP3 gene in evaluated countries. Preliminary results (:15) V. Udhayakumar</p>
<b>10:40-10:55</b>	<b>Coffee break</b>
10:55–12:00	<p>Presentation of the results of the third evaluation of performance of the RDT (WHO/FIND/CDC/TDR) (:15) M.P. Adé</p> <p>Discussion (:10)</p>

	<p>Implementation and participation of the Program for External Evaluation of the Performance (PEED) for the microscopic malaria diagnosis. Presentation of results of the first round and planned response (:15) HON and PER</p> <p>Basic guidelines to promote and to implement a program that assures the quality of the diagnosis of malaria at all levels of care (:15) M.P. Adé</p> <p>Discussion (:10)</p>
12:00–12:30	<p><b>SESSION 3: MONITORING OF THE EFFECTIVENESS AND ANTIMALARIAL DRUG RESISTANCE</b></p> <p>Challenges and actions carried out for the implementation of efficacy studies, as part of the routine monitoring of the country to the antimalarials in use (:15) SUR</p> <p>Study of compliance with the malarial treatment in use (:15) COL</p>
<b>12:30-14:00</b>	<b>Lunch</b>
14:00-15:10	<p>Adaptation of the monitoring of the antimalarial drug resistance in use, as a part of the national surveillance system. Productive capacities (:15) HON</p> <p>Utilization of the use of molecular markers as alert tool to determine presence of antimalarial drug resistance. When and how should be implemented (:15) CDC</p> <p>Global situation of the antimalarial drug resistance. Implementation of the Global Plan of containment of the resistance to the derivatives of the artemisinin (:30) P. Ringwald</p> <p>Discussion (:10)</p>
15:10–16:30	<p><b>SESSION 4: SURVEILLANCE AND VECTOR CONTROL</b></p> <p>Experience in the implementation of studies of durability of LLIN's and preliminary results in Nicaragua (:15) NIC</p> <p>Guide on implementation of LLIN's (:15) M. Sojo-Milano</p> <p>Challenges for the control of the <i>Anopheles albimanus</i> in the Region of the Americas (:15) C. Frederickson</p> <p>Studies of resistance to the insecticides examples of countries Bolivia (:15) Ecuador (:15)</p>
<b>16:30-16:45</b>	<b>Coffee break</b>
<b>16:45-17:30</b>	<p>Nicaragua (:15)</p> <p>Interpretation and use of results of the studies of resistance of anophelines to the insecticides in the decision-making process (:15) J.P. Escobar</p> <p>Discussion (:15)</p>
<b>18:00-20:00</b>	<b>Cocktail</b>

## Wednesday, 21 March 2012

09:00-09:45	<p><b>CONT. SESSION 4: ACCESS AND USE OF ANTIMALARIALS</b></p> <p>Presentation of the work plan of the international partnerships (CDC, PAHO and RTI) in support of this line of work for the next three years (:15) J. Williams</p> <p>Preparation for undertaking a Vector Control Needs Assessment (:15) J. Williams</p> <p>Discussion (:15)</p>
09:45-10:40	<p><b>SESSION 5: ACCESS AND USE OF ANTIMALARIALS</b></p> <p>1. Management of the supply of antimalarials 2006-2011</p> <p>Challenges in access to antimalarials: Availability of drugs and supply management (:15) MSH</p> <p>Purchase of antimalarials through PAHO's Strategic Fund: Current situation and proposal for 2012 (:15) N. Girón</p> <p>Discussion (:10)</p> <p>2. Specific subjects</p> <p>System and flow of Information in Management of Antimalarials. Maintenance and challenges. Conclusions of Lima Meeting (August 2011) (:15) MSH</p>
<b>10:40-10:55</b>	<b>Coffee break</b>
10:55-12:30	<p>Need for access to information on each country's antimalarial per each country needs to ensure a timely response. Regional Platform (:15) MSH</p> <p>Results of the study of management of supplies for malaria in Honduras (:15) HON</p> <p>Discussion (:15)</p> <p>3. Lines of action for the coming years (: 20)</p> <p>DNDi: Prospects and work in the Region of the Americas (:10) D. Mechali</p> <p>Discussion (:15)</p>
<b>12:30-14:00</b>	<b>Lunch</b>
14:00-16:30	<p><b>SESSION 6: QUALITY OF THE ANTIMALARIALS</b></p> <p>Strengthening of drug quality laboratories in the Region of the Americas and the support for AMI/RAVREDA (:15) J.M. Parisi</p> <p>Implementation of Basic Tests for Quality Control of Antimalarials in the Countries of the Amazon basin: Results of the Period 2005-2010 (:30) PQM</p> <p>Observations of the Countries and Discussion: (:15)</p>

	<p>Process of flow and inventory of the ability of the countries to implement three level approach for quality control of drugs (:30) PQM</p> <p>Legal and/or regulatory</p> <p>Technical Capacity</p> <p>Information flow</p> <p>Implementation of corrective actions</p> <p>Discussion (:20)</p> <p>Realignment of resources to strengthen drug quality assurance: Case of Guyana (: 15) GUY or PQM</p> <p>Observations of Countries and Discussion (:15)</p>
<b>16:30-16:45</b>	<b>Coffee break</b>
16:45-17:15	<p>Assurance and quality control of drugs in AMI in the coming years: Closing gaps and ensuring the sustainability of the capacity for assurance and quality control (:30) PQM</p> <p>South-South collaborations for technical assistance</p> <p>Regulatory Drug Agencies</p> <p>Official Drug Control Laboratories</p> <p>Use of virtual instruments</p> <p>Discussion (:20)</p>
<b>Thursday, 22 March 2012</b>	
09:00-10:40	<p><b>SESSION 7: OPERATIONS RESEARCH IN MALARIA</b></p> <p>Introduction of a research agenda of operations research in malaria (:10) K. Carter</p> <p>Regional and National Priorities for research</p> <p>Which subjects? Why are they priorities? (:15) Z. Yadón</p> <p>Research in progress (:15) CDC</p> <p>Agenda of an International Centre of Excellence in Malaria Research (ICEMR) and potential for collaboration/coordination:</p> <p>NIH-CLAIM (:15) S. Herrera</p> <p>Introduction and use of mathematical models (:15) D. Smith</p> <p>Discussion (:30)</p>
<b>10:40-10:55</b>	<b>Coffee break</b>

10:55–12:30	<p><b>SESSION 8: Productive capacities for the prevention and malaria control--of the countries CHALLENGES AND REALITIES</b></p> <p>Malaria in the Region of the Americas. Prospects under PAHO's Strategy and Plan of Action for malaria 2011-2015 (:15) K. Carter</p> <p>Global Fund Proyect-Colombia: Progress implementation and the extension of the use of AMI/RAVREDA tools (:15) O. Murillo</p> <p>Prospects of the region in the context of the conclusion of the projects financed by the Global Fund. (:15) K. Carter</p> <p>Inventory of productive capacities--methodology proposed for the inventory. Implication of the inventory for AMI/RAVREDA planning. (:15) M. Sojo-Milano/J. Chang</p> <p>Discussion (:30)</p> <p>Conclusions and closure</p>
<b>12:30-14:00</b>	<b>Lunch</b>