



Pan American
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World Health
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REGIONAL OFFICE FOR THE
Americas



dengue Integrated Management Strategy
for the Prevention and Control of Dengue
in the Americas

State of the Art in the Prevention and Control of Dengue in the Americas • 28 - 29 May, 2014 • Washington DC, USA

Agenda



Meeting on the State of the Art for the prevention and control of dengue in the Americas

Neglected, Tropical and Vector Borne Diseases
(CHA/VT)

May 28-29, 2014
Washington DC, USA



Background

Dengue is the vector borne viral infection most widely and further spread in the world, representing a severe public health problem. The infection is caused by the dengue virus, of which four serotypes (Denv1, Denv2, Denv3 and Denv4) are known, and the main vector in the Americas is the *Aedes aegypti*. This disease has no boundaries or limits, affecting populations of all ages and socio-economic levels. It is estimated that 2.5 billion people live in endemic countries, with 50 to 100 million cases per year approximately. The Americas are not an exception, the dengue incidence has increased 30 times in the last fifty years, and between 2008 and 2012 more than 1.2 million cases were notified annually, including 28,233 severe cases and 1,000 deaths. Furthermore, 2013 had the highest burden of disease ever registered, with the largest epidemic in the history of the Americas, with a total of 2.3 million cases, 37,692 severe cases and 1,280 deaths. This disease has a high social and economic impact, affecting not just the patient, but also his family and the community as a whole. The estimated economic cost of the disease supersedes 1,800 million dollars per year.

PAHO/WHO, through the Dengue Regional Program, supports member states in the implementation of the Integrated Management Strategy for the Prevention and Control of dengue (IMS -Dengue). This strategy was supported by the countries of the Americas, through the Resolution of Governing Bodies [CD44.R9](#) in 2003; and since then, 22 countries of the Americas have developed a national IMS-Dengue. In addition, 20 countries have also completed an assessment of this strategy, with support of experts from the International Technical Group on dengue (ITG-Dengue), following the recommendations of Resolution [CSP27.R15](#), adopted in 2007 by the 27th Pan American Health Organization Sanitary Conference.

Among the current efforts of the Regional Dengue Program are the following: 1) **Strengthen epidemiological surveillance of dengue**, through the development of a generic model of integrated epidemiological surveillance systems, 2) through [RELDA](#), strengthen the capacity of the laboratory networks in the management of effective practices in the diagnosis of dengue, 3) **Vector monitoring and control** through the strengthen of Entomology, integrated vector management, and monitoring of insecticide resistance, 4) **clinical management of patients**, through the adaptation for the Americas of the WHO clinical guidelines published in 2009. A second edition of this adaptation is currently being carried out, and 5) **social communication**, which uses communication methodologies to impact behavior of the population facing the dengue problem.

This meeting will include presentations and discussions, with the highest of academic rigor, the most up to date topics in the management and prevention of dengue, as well as the initiatives and actions currently evolving in the Americas.



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Objectives:

1. Review the currently available knowledge and experience for surveillance, detection, diagnosis, management, treatment and prevention of dengue.
2. Derive conclusions and recommendations, based on above, that serve the Dengue Regional Program to modify and update its strategies and technical cooperation plans, as well as its role in the fight to prevent and control this disease in the Americas.
3. Learn from the experiences of some countries in the Americas, who have been focusing on generating more information to be able to better approach this disease.
4. Learn the (preliminary) results of a systematic review about the research areas and gaps in dengue.

Wednesday, May 28, Room B

Coordinator: Dr. Tamara Mancero, PAHO/WHO

Time	Content	Participants
8:30 – 9:00 am	Opening Remarks	Dr. Francisco Becerra Assistant Director, PAHO/WHO
9:00 - 9:20 am	Participant introductions, review of agenda and introduction	Dr. Luis G. Castellanos Unit Chief, Neglected, Tropical and Vector Borne Diseases, PAHO/WHO
Session 1 Facilitator: Dr. Luis Gerardo Castellanos, PAHO/WHO		
9:20 - 9:40 am	Dengue situation in the world; the WHO perspective	Dr. Raman Velayudhan Coordinator , Vector Ecology and Management HTM/NTD, WHO Geneva
9:40 – 10:00 am	Dengue situation in the Americas; the PAHO perspective	Dr. José Luis San Martín Regional Dengue Advisor PAHO/WHO
10:00 – 10:15 am	Plenary Session 1	
10:15 – 10:30 am	Coffee break	
Session 2 Facilitator: Dr. José Luis San Martín, PAHO/WHO		
10:30 – 11:45 am	Round table: Implementation of the IMS-Dengue in Latin America and the Caribbean. (15 minutes per presentation) <ul style="list-style-type: none"> • Communication • Laboratory surveillance • Care for patients • Integrated vector management • Epidemiology 	GT-Dengue*: Dr. Linda Lloyd Dr. Elizabeth Hunsperger Dr. Ernesto Pleités Dr. Haroldo Bezerra Dr. Ángel Álvarez
11:45 -12:30 pm	Plenary Session 2	
12:30 – 2:00 pm	Lunch	
Session 3 Facilitator: Dr. Franklin Hernández, PAHO/WHO		
2:00 - 2:40 pm	Experience of Brazil and Mexico in the IMS–Dengue (20 min per presentation)	Dr. Giovanini Coelho (Brazil) Dr. Cuauhtémoc Mancha (Mexico)
2:40 – 3:25 pm	Plenary Session 3	
3:25 – 3:40 pm	Coffee break	
Session 4 Facilitator: Dr. Siripen Kalayanaroj, WHO collaborating center Thailand		
3:40 – 4: 40 pm	Round table: The work of the PAHO/WHO collaborating centers in Latin America and the Caribbean (15 min per presentation) <ul style="list-style-type: none"> • IPK (Cuba) • CDC (USA) • Evandro Chagas Institute (Brazil) • National Institute of Human Viral Diseases (Argentina) 	Collaborators: Dr. Maria G. Guzmán Dr. Harold Margolis Dr. Pedro Vasconcelos Dr. Delia Enria
4:40 – 5:25 pm	Plenary Session 4	
5:25 – 5:40 pm	Closing Remarks	Dr. José Luis San Martín, PAHO/WHO

*GT-Dengue: International Dengue Task Force.

Thursday, May 29, Room B

Coordinator: Dr. Aída Soto, PAHO/WHO

Time	Content	Participants
Session 5 Facilitator: Dr. Angel Alvarez, PAHO/WHO		
8:30 – 8:50 am	Economic impact of dengue and dengue hemorrhagic fever in Zulia, Venezuela	Dr. Germán Añez, Researcher
8:50 – 9:30 am	Studies on the socioeconomic burden of dengue. (20 min per presentation). <ul style="list-style-type: none"> Andes University, Bogota-Colombia National Autonomous University of Mexico 	Speakers: Raul Castro, Associated Professor Dr. Adriana Zubieta Zavala
9:30 – 9:45 am	Financial resources for the prevention and control of dengue in the Americas - PAHO/WHO	Dr. Luis G. Castellanos PAHO/WHO
9:45 – 10:30 am	Plenary Session 5	
10:30 – 10:50 am	Group picture (Room A)	
10:50 – 11:05 am	Coffee break	
Session 6 Facilitator: Dr. Zaida Yadón, PAHO/WHO		
11:05am–12:15 pm	Research on dengue: <ul style="list-style-type: none"> Dengue Research and Capacity Strengthening: An Overview of Activities at the Special Program for Research and Training in Tropical Diseases (TDR), with Focus on the Americas (20 min) Preliminary results of a systematic review on dengue during the last 5 years (20min) The role of USG technologies in the advancement of biomedical science (15 min) NIAID resources for dengue research (15min) 	Speakers: Dr. Piero Luigi Olliaro - TDR/WHO Dr. Gamaliel Gutiérrez - PAHO/WHO Dr. Margarita Ossorio - NIH Dr. Cristina Cassetti - NIH
12:15 – 1:00 pm	Plenary Session 6	
1:00 – 2:30 pm	Lunch	
Session 7 Facilitator: Dr. José Luis San Martín, PAHO/WHO		
2:30 – 3:30 pm	Round table: Update and development of new technologies in dengue control and prevention (20 min per presentation) <ul style="list-style-type: none"> Vaccines and drugs Other technologies in the control of <i>Ae. Aegypti</i> Modeling in dengue control 	Dr. Andrea Vicari – PAHO / WHO Dr. Haroldo Bezerra - PAHO/WHO Dr. Andrea Vicari - PAHO / WHO
3:30 – 4:25 pm	Plenary Session 7	
4:25 – 4:40 pm	Coffee break	
4:40 – 5:10 pm	Closing Remarks Conclusions and recommendations	Dr. Luis Gerardo Castellanos PAHO/WHO