

**ASIAN PACIFIC DENGUE
PREVENTION BOARD**

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FORMATION OF THE APDPB IN HO CHI MINH CITY

- **Founding Meeting – December 7-9, 2006**
- **Members from Sri Lanka, Australia, Malaysia, Vietnam, Thailand, Cambodia, Japan (Indonesia with apologies)**
- **PDVI Secretariat**
- **WHO Regional Offices in New Delhi and Manila were ex-officio non-voting members**
- **Consultants**

TERMS OF REFERENCE

- **APDPB comprises independent specialists in public health, clinical medicine, laboratory sciences**
- **APDPB identifies, recommends & promotes best contemporary practice and research in prevention and control of dengue**
- **Identifies needs for capacity building**
- **Collaborates with national & international agencies, incl. governments, universities, research centers, WHO, CDC, NGOs**

TERMS OF REFERENCE

- **Convenes international forums with invited specialists to discuss contemporary practice and multidisciplinary approach in dengue prevention and control**
- **Topics identified include Surveillance, Diagnostics, Burden of Disease, Case Management, Vector Control, Health Education, Antivirals & Vaccines**

PUBLICATIONS

- **APPDB produces and distributes various publications including papers in peer reviewed journals, articles in PDVI News, and its own documents**
- **Host a share point website with PDVI**
- **Exchange reports and publications with the Americas Dengue Prevention Board**

APDPB FIRST TECHNICAL MEETING

- **Held in Sri Lanka, June 21-23, 2007**
- **Topic: Best Practices in Surveillance**
- **15 speakers from 11 countries**
 - **Epidemiologists**
 - **Vector control specialists**
 - **Laboratory scientists**
- **WHO Representatives**
- **Expert Epidemiologist – Michael Favorov, CDC**

PROGRAM/AGENDA

- **Discussion & break out groups**
- **Defined surveillance as it relates to dengue**
- **Reviewed differences in regional guidelines**
- **Identified stakeholders and needs**
- **Studied real world issues in meeting the needs in dengue surveillance**

ISSUES/WEAKNESSES IN DENGUE SURVEILLANCE-1

- **Different criteria used in mandatory reporting (clinical/confirmed cases, daily, weekly, monthly)**
- **Delayed reporting and under-reporting**
- **Surveillance not real-time, does not allow prediction of future outbreaks**
- **Estimates of disease burden unreliable or absent**

ISSUES/WEAKNESSES IN DENGUE SURVEILLANCE-2

- **Lack of political will**
- **Issues surrounding legislation**
- **Lack of wider standardization**
- **Inadequate budget**
- **Insufficient entomological and virological surveillance**
- **Lack of cross-border sharing**

STRENGTHS IN DENGUE SURVEILLANCE-1

- **Improvement in infrastructure/manpower**
- **Standardized surveillance protocols**
- **Mandatory notification**
- **Interagency links, good collaboration**
- **IT developments, software, web-based applications effectively used**

BEST PRACTICES-1

- **Monitor seasonality, age distribution & transmission patterns**
- **Evaluate and guide introduction of a vaccine**
 - **Weekly incidence rates**
 - **Laboratory testing of representative samples**
 - **Annual distribution of serotypes and sequence analyses**

BEST PRACTICES-2

- Monitor intervention programs
 - Baseline data-patterns of vector populations
 - Measure impact by disease reduction and outcome indicators (BI, HI, CI)
- GIS-should be introduced to increase likelihood of outbreak detection
- Identify target groups for regular feedback
- Develop mechanisms for international sharing of data

APDPB 2nd TECHNICAL MEETING

- **1-2 December, 2007, Bangkok**
- **Topic – Laboratory Diagnostics**
 - **Review virologic/immunologic events in DF/DHF**
 - **Review diagnostic tests and interpretations**
 - **Review performance and predictive values of non-dengue diagnostic tests (eg platelet count)**
- **Identify new diagnostic tests (PCR, NS1) incl. commercial kits**
- **Best practices and quality control and assurance**

ACKNOWLEDGEMENTS

- **Members of the APDPB**
- **PDVI Secretariat**
 - **Dr. Harold S. Margolis (Director, PDVI)**
 - **Dr. Joel Kuritsky (Deputy Director, PDVI)**
 - **Dr. Richard Mahoney (Director, Vaccine Access)**
 - **Dr. Mark E. Beatty**
 - **Dr. Bill Letson**
 - **Dr. Dianna M. Edgil**
 - **Kim, Nam Hee**