

DENGUE in Cambodia Overview

Dr Luciano Tuseo
Malaria, Other Vector borne and Parasitic Diseases
WHO Cambodia

Overview

Dengue remains one of the public health problems in Cambodia. With an annual **14.000 reported case**, Cambodia is one of the highest Dengue burdened countries in South-East Asia.

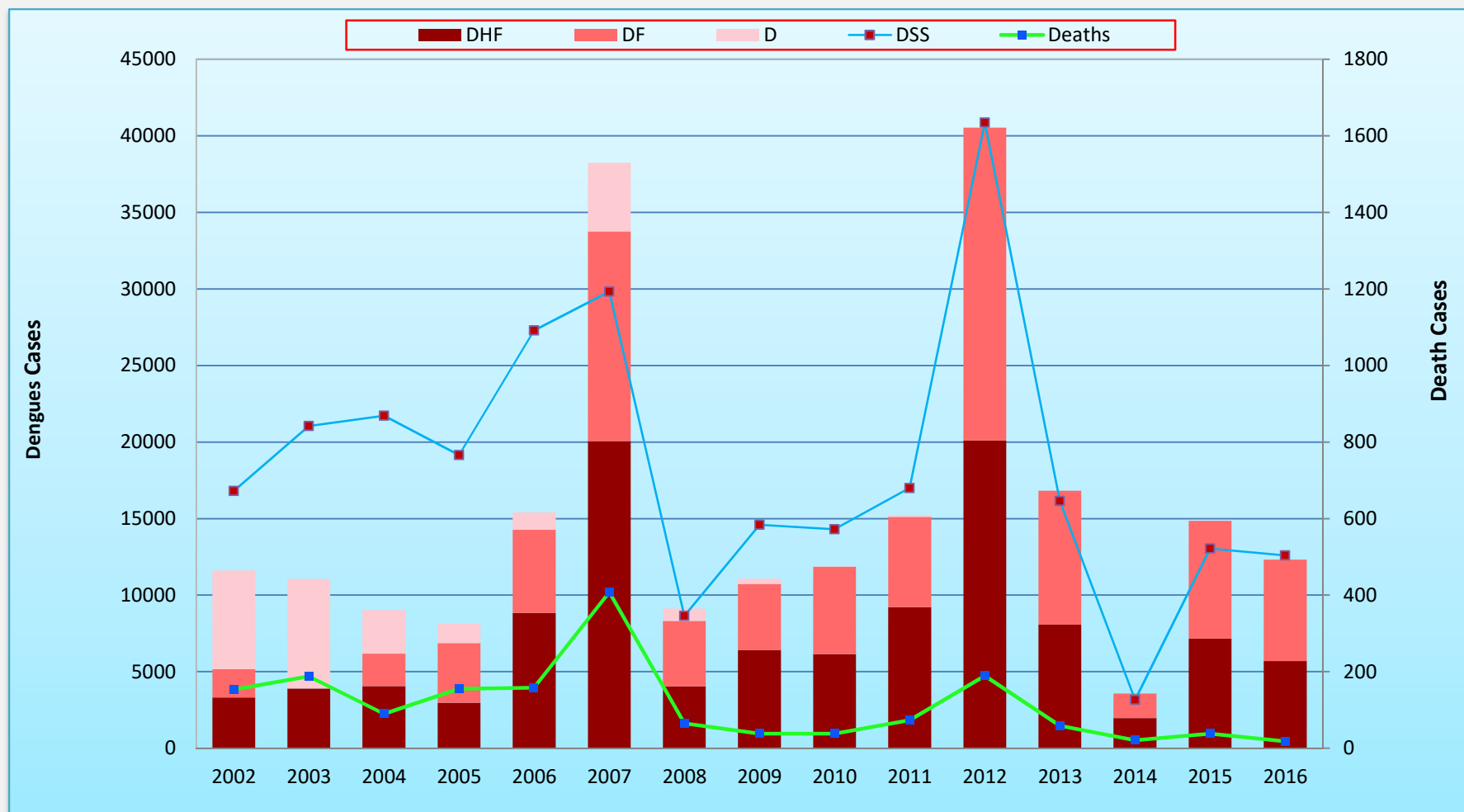
With an estimated intervals of 5-7 years, the worst dengue situation occurred in 2007 when 39,851 cases with 407 deaths were reported. **Dengue outbreaks have occurred in almost 22 among 25 Provinces**, due to improvement of accessibility and greater population movement.

The number of cases of dengue has seen an increase over the past 10 years.

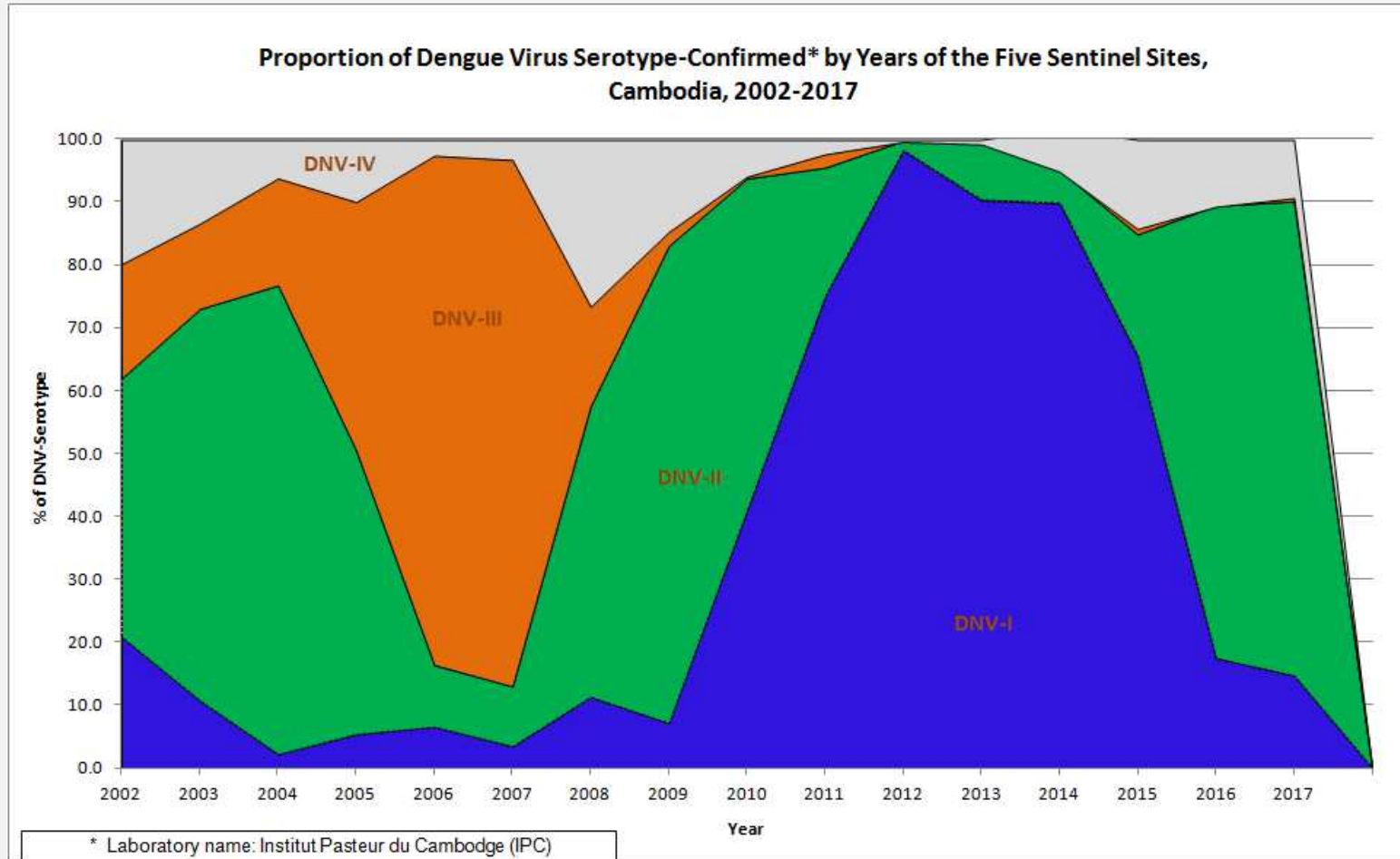
As dengue **spreads to rural areas**, cases of severe dengue are being reported from remote rural areas.

Consequently, the **population at risk has increased from 3.5 million in the urban areas of Cambodia to almost 11 million.**

Proportion of Dengue cases by severity and Serotype Cambodia, 2002-2016



Dengue Virus Serotype 2002-2017



National Dengue Action Plan 2017-2021

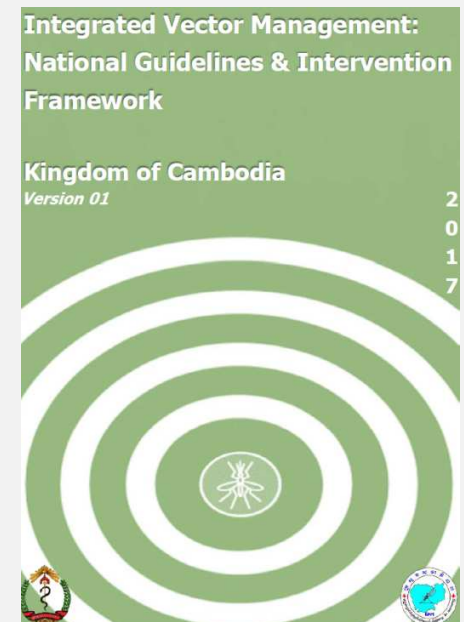
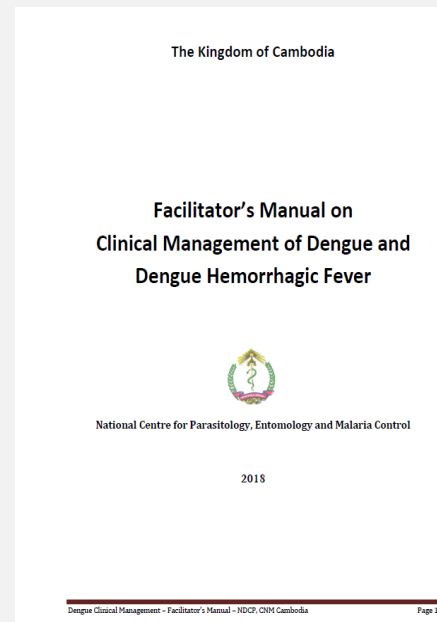
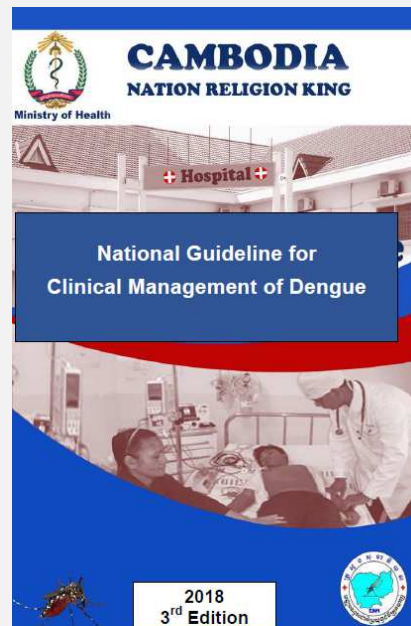
National Dengue Action Plan 2017-2021 was developed with strong technical support from WHO.

The **Program overall objectives** is: **To reduce the case fatality due to dengue below 0.1%**

Main **Specifics Objectives** are:

- 1. To strengthen early diagnosis and clinical management;**
- 2. To enhance epidemic preparedness and outbreak response capacity;**
- 3. To implement selective and sustainable vector control through integrated vector management (IVM) system;**
- 4. To develop a comprehensive IEC/ BCC package to be used in all media to raise awareness on the disease and change in behavior for environmental cleanliness.**

Develop and update Policy, Strategies and Integrated Plan of Action on Dengue



Progress

WHO Technical support to develop/update policy, strategies:

- **Revitalize National Dengue Committee Partners**
- **National Action Plan for Dengue** and other Arboviral Disease Prevention and Control. Finalized, edited and endorsed.
- **National Dengue Case management Guideline.** Finalized, edited and endorsed
- **Training Tools for Dengue Case management.** Finalized, edited and endorsed
- **Integrated Vector Management National Guideline & Intervention Framework** that include control of Aedes-borne diseases and SOPs.

Constraints

- **Limited Dengue Data collection**
- **Limited Funding sources Dengue**
- **Limited Partners for Dengue**

Way Forward

- **Strengthen National Dengue Control Program (NDCP)** with adequate capacity and necessary administrative, technical and financial support for implementation, monitoring and evaluation of dengue control at central level
- **Identify key stakeholders** to support dengue prevention and control activities
- **Develop capacity of medical professionals** and supportive staff at national level
- **Improve routine reporting** via Health Management Information System (HMIS) for Dengue/ DHF
- **Develop a strong disease surveillance and outbreak response system**
- **Develop and implement a comprehensive IEC/ BCC package**

THANKS