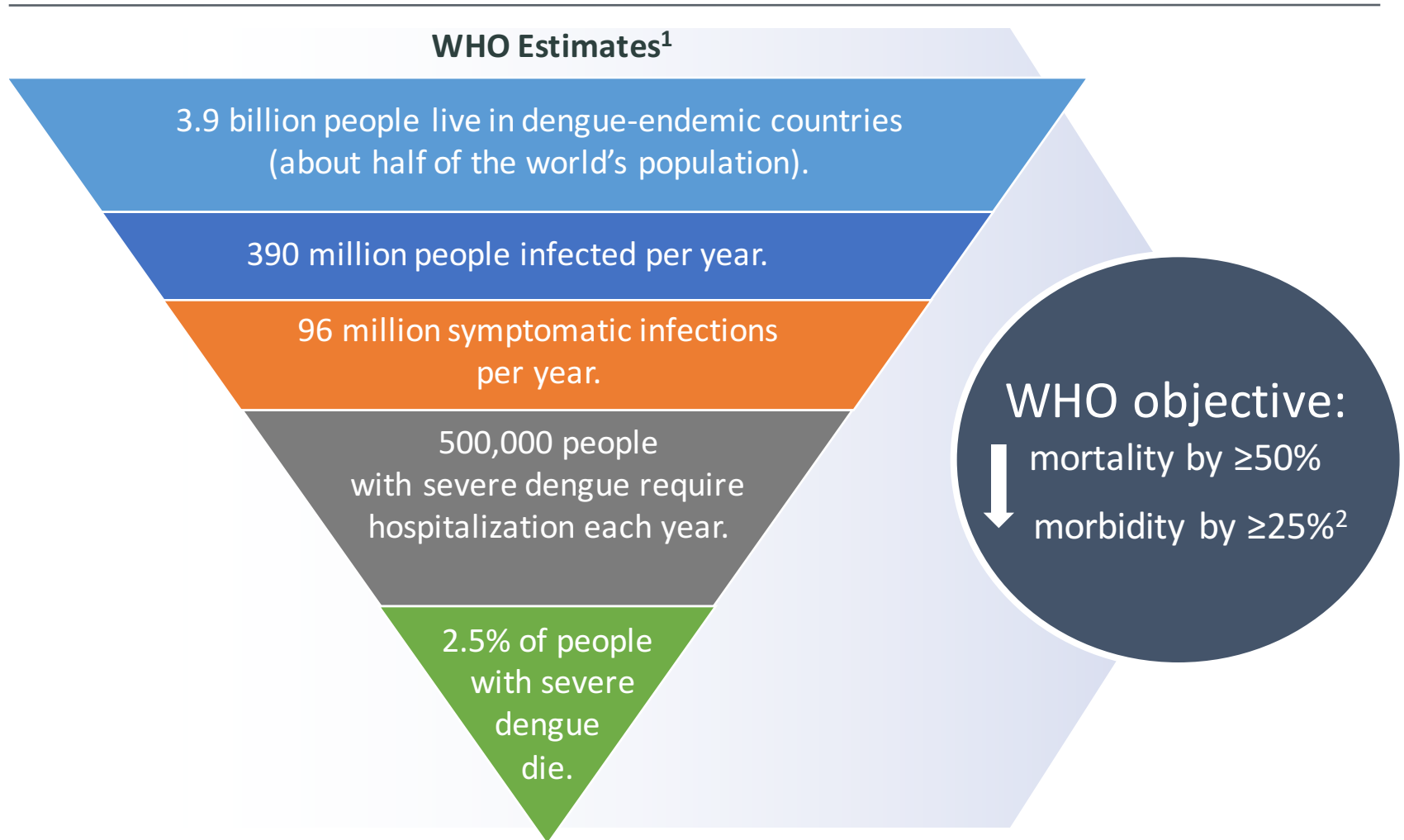


DENGUE: WHAT'S NEW

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Chulalongkorn University
Bangkok, Thailand

DENGUE IS A PUBLIC HEALTH PRIORITY

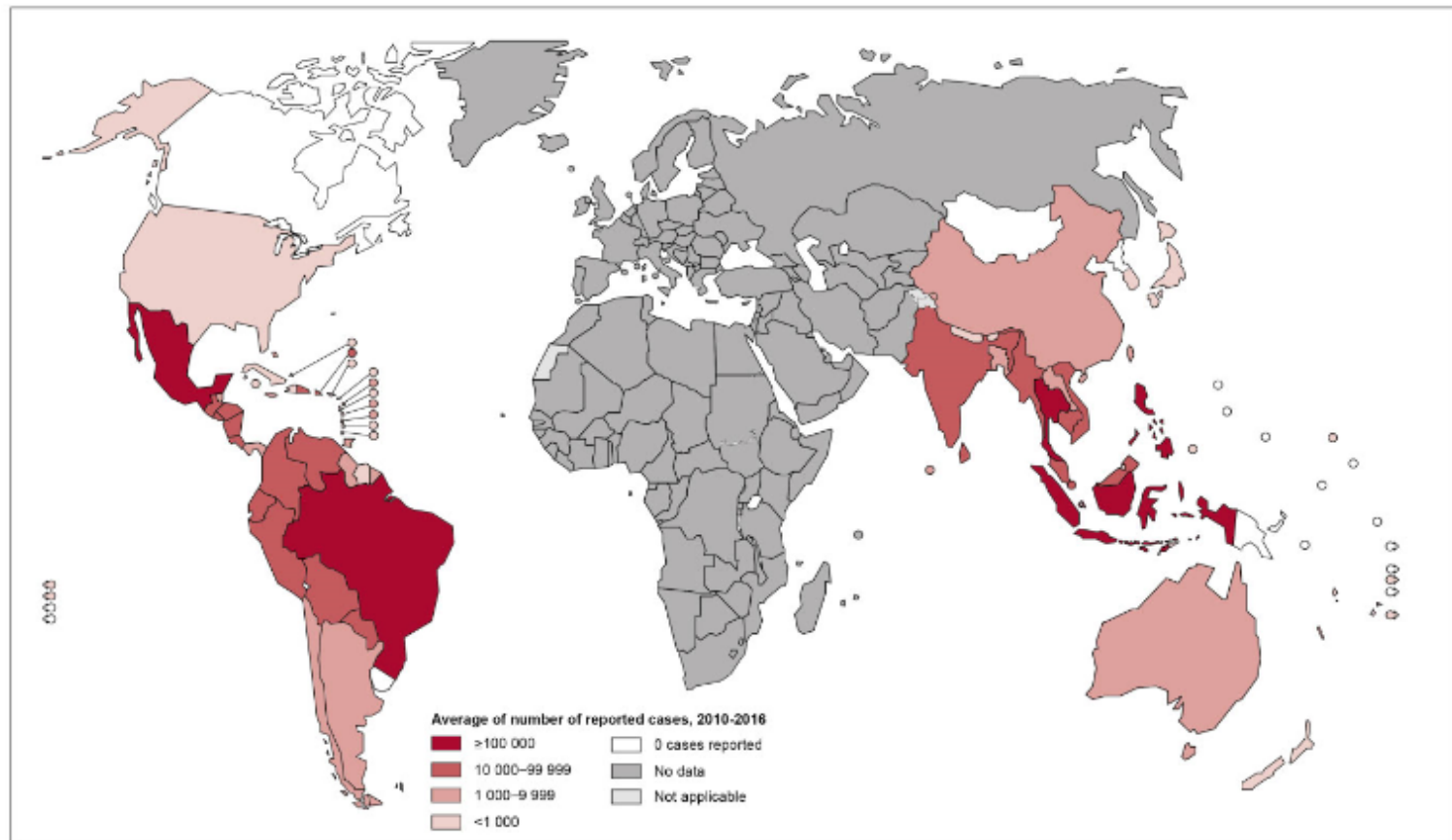


WHO=World Health Organization.

1. WHO, 2015, Dengue Fact Sheet.
2. WHO, 2012, Global Strategy for Dengue Prevention and Control.

Average number of suspected or confirmed dengue cases reported to WHO, 2010-2016

Distribution of dengue, worldwide, 2016



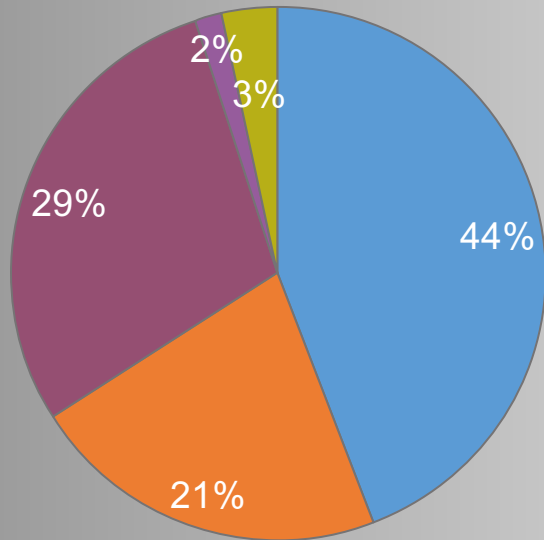
The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted lines on maps represent approximate border lines for which there may not yet be full agreement. © WHO 2016. All rights reserved

Data Source: World Health Organization
Map Production: Control of Neglected
Tropical Diseases (NTD)
World Health Organization



DENGUE DISEASE COSTS MORE THAN US\$6 BILLION ANNUALLY WORLDWIDE

Distribution of the aggregate economic cost of dengue by region³



Region	Cost (\$)
Latin America and Caribbean	\$2.76B
South Asia	\$1.34B
East Asia and Pacific	\$1.83B
Middle East and north Africa	\$0.11M
Sub-Saharan Africa	\$0.21M

- US\$ 6.25B* in total on average per year are spent for dengue disease³
- Nearly US\$ 40B* considering the number of cases estimated in 2011²

- Can be compared to the cost of damages caused by¹:
 - The 2010 earthquake in Haiti: \$14B
 - Hurricane Irene in 2011: \$7-\$10B

* Incl. medical and non medical costs, loss of productivity, and cost of premature deaths (no vector control considered).

1. Infectious Disease Cost Calculator at <http://www.idcostcalc.org/contents/dengue/>
2. Selck FW, et al VECTOR-BORNE AND ZOOONOTIC DISEASES 2014;14:824-6
3. Shepard, ASTMH poster 2014

DENGUE

- **Most common global vector-borne viral infection**
- **Increasing global burden driven by**
 - **population growth**
 - **urbanization**
 - **globalization**
 - **ecological changes**
- **World needs dengue vaccine as part of an integrated approach to dengue prevention and control**