

WHAT'S NEW IN DENGUE

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Dengue Disease: Global Threat

30-fold increase in last decades

- Over 2.5 billion people now at risk
 - >40% of the world's population
- Dengue is the most common disease transmitted by a mosquito
- Now a major public health problem in many tropical and subtropical regions:
 - 100–200++ million infections / year
 - >100 tropical and subtropical countries
 - ~ 20,000 deaths annually
- Factors leading to increase include:
 1. Population growth and urbanization
 2. Inadequate water, sewer & waste management systems
 3. Rise in global commerce & tourism
 4. Global warming
 5. Changes in public health policy



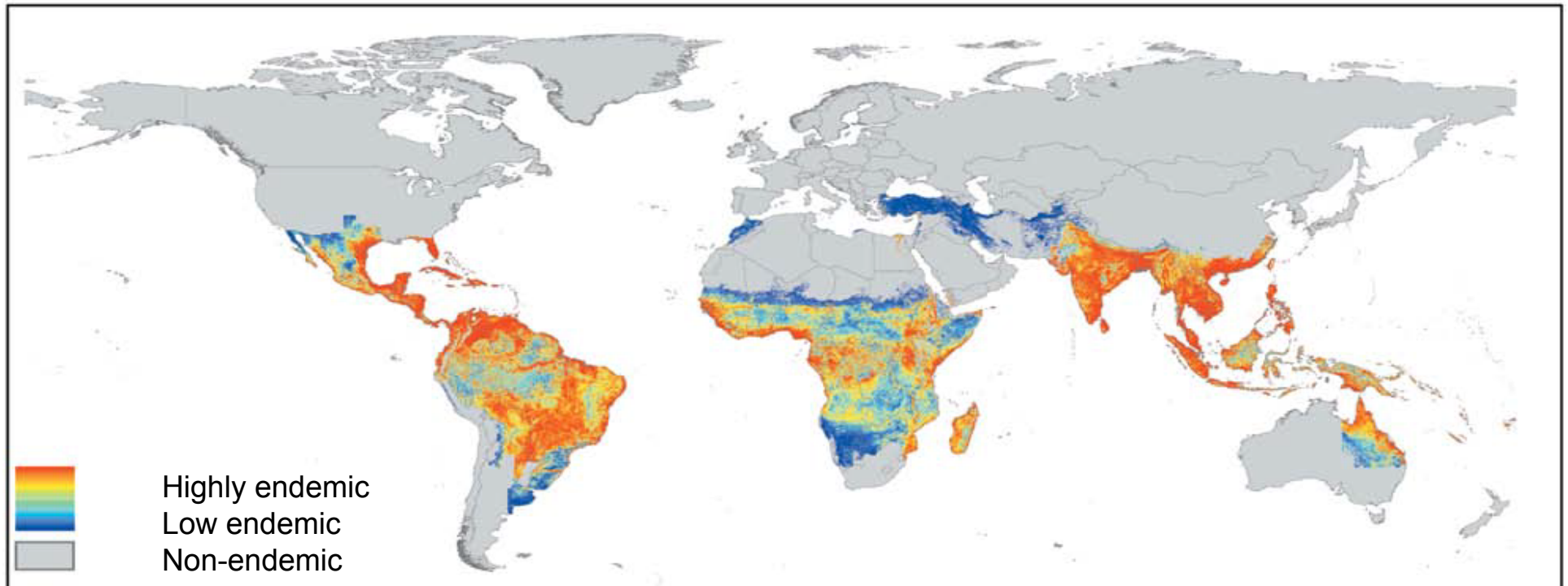
Source: தகவலுழுவன்

www.who.int/mediacentre/factsheets/fs117/en/

Undurraga *PLoS Negl Trop Dis* 2013

Gubler *Expert Rev Vaccines* 2011

Worldwide Threat of Dengue



Specific WHO Objective:

By 2020, reduce mortality and morbidity from dengue by at least 50% and 25% respectively

Global strategy for dengue prevention & control, 2012-2020

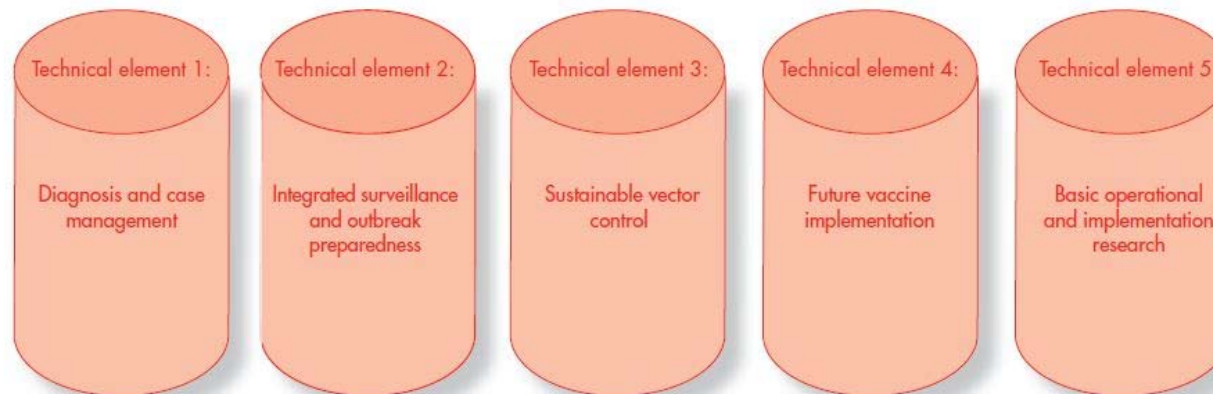
GOAL:

TO REDUCE THE BURDEN OF DENGUE

OBJECTIVES:

- To reduce dengue mortality by at least 50% by 2020*
- To reduce dengue morbidity by at least 25% by 2020*
- To estimate the true burden of the disease by 2015

* The year 2010 is used as the baseline.



ENABLING FACTORS FOR EFFECTIVE IMPLEMENTATION OF THE GLOBAL STRATEGY:

- advocacy and resource mobilization
- partnership, coordination and collaboration
- communication to achieve behavioural outcomes
- capacity-building
- monitoring and evaluation

THE FIRST TETRAVALENT DENGUE VACCINE IS POISED TO COMBAT DENGUE

- **A safe, effective dengue vaccine is on the horizon**
- **Critically important achievement in the fight against dengue**
- **How to implement this new tool effectively**

Dengue Bulletin 2014; 38: 108-12.