



THE GLOBAL BURDEN OF DENGUE

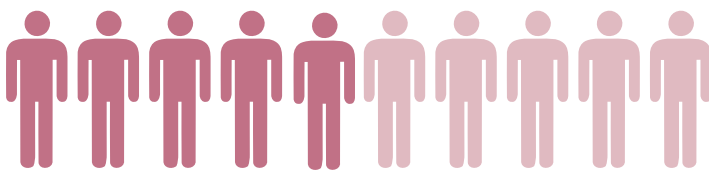
What Is Dengue?



Dengue is a rapidly spreading mosquito-borne viral disease, carried by the *Aedes aegypti* and *Aedes albopictus* mosquitos.¹

Dengue is caused by any of the four dengue virus types (a.k.a. serotypes), each of which can cause dengue fever or a potentially lethal complication called severe dengue.¹

Who Does Dengue Affect?



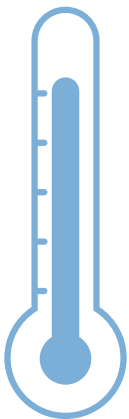
Dengue can infect people of all ages, and **half of the world's population** is at risk of contracting dengue.¹

Since 1970, dengue has spread from **9 to 100+ countries.**¹

Each year, dengue causes **approximately**

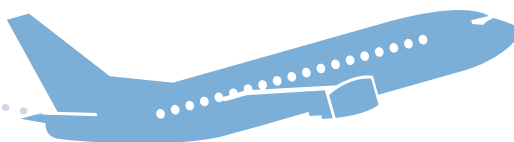
390 million

infections, 500,000 hospitalizations
and more than **20,000 deaths.**²



Dengue outbreaks are observed in tropical and sub-tropical areas, and have recently caused outbreaks in parts of mainland U.S. and Europe.¹

In recent years, because of air travel, urbanization and climate change, dengue has become more prevalent in some previously low-transmission areas, and dengue has spread to new areas.^{1,3}



References

¹ World Health Organization. Dengue and Severe Dengue. 2019. Retrieved October 2019. <http://www.who.int/mediacentre/factsheets/fs117/en/>

² World Health Organization. Factsheet. Dengue. 2019. Retrieved October 2019. http://www.searo.who.int/entity/vector_borne_tropical_diseases/data/data_factsheet/en/.

³ Murray NE, et. al. Epidemiology of dengue: past, present and future prospects. 2013. Retrieved October 2019. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3753061/>