

# About Chikungunya



Chikungunya is a **virus spread by mosquitoes** and is reported in many popular travel destinations.<sup>1,2</sup>

**110+**  
countries



The FDA considers chikungunya to be an **emerging global health threat**, with active transmission becoming more common and widespread due to the growth of cities, global travel, chikungunya virus mutations and climate change.<sup>5</sup>

Vaccination against chikungunya prior to traveling to high-risk areas is important to **help prevent infection and reduce the potential of long-term illness**.

Warmer temperatures, more rain and higher humidity have led **Aedes mosquitoes—the species capable of spreading the chikungunya virus**—to expand their range into areas where it previously did not thrive.<sup>7</sup>

## Symptoms

Chikungunya can cause symptoms that can feel a lot like malaria.<sup>9</sup>

High fever

Severe joint pain

Arthritis

Skin rash

Low white blood cell count



**+40%**  
of people

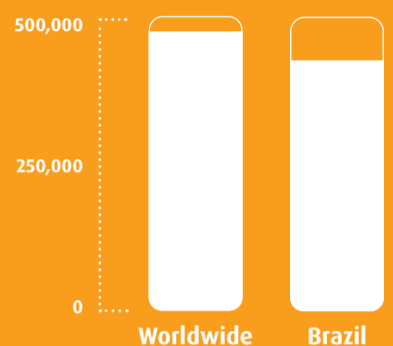
with chikungunya **may experience serious long-term symptoms** which can significantly affect daily life.<sup>8</sup>

Chikungunya is **often underdiagnosed** because clinical presentations are similar to dengue and other endemic infections.<sup>9</sup>

## Incidence & Mortality

As of November 2024, approximately 480,000 cases of chikungunya and **190 deaths were reported worldwide**.<sup>3,4</sup>

Most cases occurred in the Americas, with Brazil reporting 403,726 cases and all 190 deaths.



## Who is at Risk?

People with medical conditions like diabetes, heart disease, or high blood pressure are more likely to develop severe chikungunya symptoms.<sup>6</sup> Those who are at a greater risk for severe illness are:

**Adults<sup>10</sup>**  
**65+**

**Babies<sup>10</sup>**  
**<1**

**Older adults are also more likely to have long-lasting joint pain after recovering.**<sup>8</sup>

## Our Mission

Bavarian Nordic is a fully integrated vaccine company with a **mission to protect and save lives through innovative vaccines**. With a strong heritage in vaccine development and proven technologies, including a leading travel health portfolio, Bavarian Nordic aims to help protect people against the growing threat of chikungunya.

To learn more about **chikungunya and vaccination against chikungunya**, visit [chikvax.com](https://www.chikvax.com).

### References:

- Centers for Disease Control and Prevention. (n.d.). *Chikungunya: Causes and spread*. U.S. Department of Health and Human Services. <https://www.cdc.gov/chikungunya/causes-and-spread/index.html>
- Centers for Disease Control and Prevention. (n.d.). *Chikungunya: Data and maps*. U.S. Department of Health and Human Services. <https://www.cdc.gov/chikungunya/data-maps/index.html>
- World Health Organization. Chikungunya key facts. <https://www.who.int/news-room/fact-sheets/detail/chikungunya>
- Chikungunya worldwide overview. European Centre for Disease Prevention and Control. (2024, November 25). <https://www.ecdc.europa.eu/en/chikungunya-monthly>
- U.S. Food and Drug Administration. (2023, December 23). \*FDA approves first vaccine to prevent disease caused by chikungunya virus\*. <https://www.fda.gov/news-events/press-announcements/fda-approves-first-vaccine-prevent-disease-caused-chikungunya-virus>
- Centers for Disease Control and Prevention. (n.d.). Chikungunya: Symptoms, diagnosis, and treatment. Centers for Disease Control and Prevention. December 6, 2024, <https://www.cdc.gov/chikungunya/symptoms-diagnosis-treatment/index.html>
- Tjaden, N.B., Suk, J.E., Fischer, D. et al. Modelling the effects of global climate change on Chikungunya transmission in the 21st century. *Sci Rep* 7, 3813 (2017). <https://doi.org/10.1038/s41598-017-03566-3>
- van Aalst M, Nelen CM, Goorhuis A, Stijns C, Grobusch MP. Long-term sequelae of chikungunya virus disease: A systematic review. *Travel Med Infect Dis*. 2017 Jan-Feb;15:8-22. doi: 10.1016/j.tmaid.2017.01.004. Epub 2017 Feb 2. PMID: 28163198.
- Silva LA, Dermody TS. Chikungunya virus: epidemiology, replication, disease mechanisms, and prospective intervention strategies. *J Clin Invest*. 2017 Mar 1;127(3):737-749. doi: 10.1172/JCI84417. Epub 2017 Mar 1. PMID: 28248203; PMCID: PMC5330729.
- Centers for Disease Control and Prevention. (n.d.). Chikungunya: Symptoms, diagnosis, and treatment. Centers for Disease Control and Prevention. December 6, 2024, <https://www.cdc.gov/chikungunya/symptoms-diagnosis-treatment/index.html>

### About Bavarian Nordic:

Bavarian Nordic is a fully integrated vaccine company focused on the research and development, manufacturing, and commercialization of life-saving vaccines. We are a global leader in smallpox and mpox vaccines, which have been developed through our long-standing partnership with the U.S. government to enhance public health preparedness, and have a strong portfolio of vaccines for travelers and endemic diseases. Our manufacturing sites and network of manufacturing partners provide both reliability and flexibility as a vaccine supplier.

