WHO suggested outbreak case definition

Criteria for case definition:

- **Clinical criteria:** Acute onset of fever >38.5°C and severe arthralgia/arthritis not explained by other medical conditions.
- **Epidemiological criteria:** Residing or having visited epidemic areas having reported transmission within 15 days prior to the onset of symptoms.
- **Laboratory criteria:**
  - Virus isolation.
  - Presence of viral RNA by RT-PCR.
  - Presence of virus-specific IgM antibodies in single serum sample collected in acute or convalescent stage.
  - Four-fold increase in IgG values in samples collected at least three weeks apart.

**Suspect case:**

Any person with acute onset of fever >38.5°C and severe arthralgia/arthritis not explained by other medical conditions.

**Probable case**

A patient meeting both the clinical and epidemiological criteria.

**Confirmed case**
A suspected case with laboratory confirmation.


WHO surveillance case definition


Data collection tools

- Case investigation form: Appendix D. Example of a case report form in Preparedness and Response for Introduction in the Americas Chikungunya Virus (Washington: Pan American Health Organization; 2011 (pp. 102-3)).
- Line list: Not available.
- Electronic tools: Not available.

Laboratory confirmation

- Laboratory _Diagnosis of Mayaro Virus infection. In Mayaro virus: Detection and laboratory diagnosis (Washington (DC)) (Pan American Health Organization (PAHO); 2019).
- Tool for the diagnosis and care of patients with suspected arboviral diseases (Washington (DC): Pan American Health Organization; 2017 (Chapter 7, page 43)).
- Preparedness and response for chikungunya virus: introduction in the Americas (Washington (DC): Pan American Health Organization; 2011 (Chapter 4, page 23-30)).
- Guidelines for prevention and control of chikungunya fever (New Delhi: WHO Regional Office for South-East Asia; 2009 (chapter 4, page 13)).

Response tools and resources

- Guidelines for the Clinical Diagnosis and Treatment of Dengue, Chikungunya, and Zika. (Washington (DC); (Pan American Health Organization; 2022)
- Guidelines on clinical management of Chikungunya fever (New Delhi: WHO Regional Office for South-East Asia; 2008).

Other resources
• **Global vector control response 2017-2030.** (Geneva: World Health Organization; 2017)
• **Managing epidemics: key facts about major deadly diseases** (Geneva: World Health Organization; 2018).
• **Monitoring and managing insecticide resistance in *Aedes* mosquito populations: interim guidance for entomologists** (Geneva: World Health Organization; 2016).