

Chikungunya

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Overview:¹

<i>Vectors and Pathways:</i>	Mosquitos (<i>Aedes aegypti</i> and <i>Aedes albopictus</i>)
<i>Symptoms:</i>	Fever, week-long joint pain (especially hands and feet), 40-50% of cases result in rash, ² symptoms typical of dengue
<i>Risks:</i>	Debilitating pain in joints lasting for months, death is rare ³
<i>Causing Organisms:</i>	Virus
<i>Hosts:</i>	Unlike dengue, non-primate mammals and birds can host
<i>When symptoms begin:</i>	3-7 days after bite

Chikungunya in Hawaii:

Nine cases have been confirmed in Hawaii as of June 2015,⁴ all from returning travelers. Both mosquito species that can spread the virus are locally abundant. People showing symptoms should **see a doctor** and **avoid any exposure to mosquitoes** to prevent infecting others.

Epidemeology:¹

In Oceania:

American Samoa
Cook Islands
Federated States of Micronesia
French Polynesia
Kiribati
Marshall Islands
Nauru
Samoa
Tonga



Figure 1. Countries where chikungunya cases have been reported (2015).¹

In the U.S., local transmission was reported in Florida.

Citations:

- ¹ Chikungunya Virus Homepage. Centers for Disease Control and Prevention. Jul 20 2015. <http://www.cdc.gov/chikungunya/index.html>
- ² Thiberville, Simon-Djamel; Moyen, Nanikaly; Dupuis-Maguiraga, Laurence; Nougairade, Antoine; Gould, Ernest A.; Roques, Pierre; de Lamballerie, Xavier (2013). "Chikungunya fever: Epidemiology, clinical syndrome, pathogenesis and therapy". *Antiviral Research* **99** (3): 345–370
- ³ Mavalankar D, Shastri P, Bandyopadhyay T, Parmar J, Ramani KV (2008). "Increased Mortality Rate Associated with Chikungunya Epidemic, Ahmedabad, India". *Emerging Infectious Diseases* **14** (3):
- ⁴ Remadna, Brent. (2015, June 6) Mosquito-transmitted disease continues to spread worldwide, 9 cases confirmed in Hawaii. KHON2. <http://khon2.com/2015/06/06/mosquito-transmitted-disease-continues-to-spread-worldwide-9-cases-confirmed-in-hawaii/>.