



















Pingelap Atoll (2010年調査)

Aedes aegypti (13/31)

Aedes marshallensis (13/31)

Culex quinquefasciatus (10/31)

Aedes vexans noctanus (Prviours survey)



Piis Island (2011年調査)



Aedes hensilli (8/26)
Aedes scutoscriptus (10/26)
Aedes sp. (2/26)
Culex quinquefasciatus (3/26)
Culex carolinensis (7/26)
Culex annulirostris (3/26)



WHAT IS DENGUE?

Dengue is a viral disease transmitted to humans by the bite of an infected Aedes mosquito. Outbreaks of dengue fever in Yap State, Palau and the Marshall Islands were reported in 2011.

THE SYMPTOMS

The symptoms of dengue can range from no symptoms at all, to a mild fever, to a serious illness with bleeding that can cause death.

Other symptoms may include:

- Sudden high fever (which may disappear after 3-4 days, only to reappear later)
- Pains in muscles and joints
- Severe headache and backache
- Pain on moving the eyes
- A rash, with or without itching
- Loss of appetite and weakness, with an unusual taste in the mouth
- Swollen lymph glands

Recovery is usually complete, but weakness and depression may linger for several weeks In addition to the above symptoms a more severe form of the disease, which is called dengue hemorrhagic fever, may also show one or more of the following:

- Skin bleeding (hemorrhage)
- Nose and gum bleeding, blood vomiting, blood in stool, severe menstrual bleeding
- Some patients go into a state of shock (rapid and very weak pulse, with cold skin and restlessness)
- Loss of blood and body fluids,
 loss of consciousness

Patients in shock are in danger of dying if the right treatment is not immediately given. A patient in shock may die within 12-24 hours, or recover rapidly if the right anti-shock treatment is provided.

Consult your physician if you develop these symptoms.

THE VECTORS OF DENGUE

The disease is transmitted by female Aedes mosquitos. In FSM, Aedes aegypti, Aedes albopictus and Aedes hesilli are important vector species.



Aedes aegypti*



Aedes albopictus*



Aedes hesilli

^{*}Photographs sourced from National Institute of Infectious Disease website.



House Index =

No. of positive for mosquito larvae

No. of houses inspected

All mosquitoes: 63/142=40.8%

All Aedes: 59/142=41.5%

Aedes aegypti: 34/142=23.9%











House Index = No. of positive for mosquito larvae

No. of houses inspected

All mosquitoes: 41/45=91.1%

All Aedes: 40/45=88.9%

Aedes hensilli: 39/45=86.7%