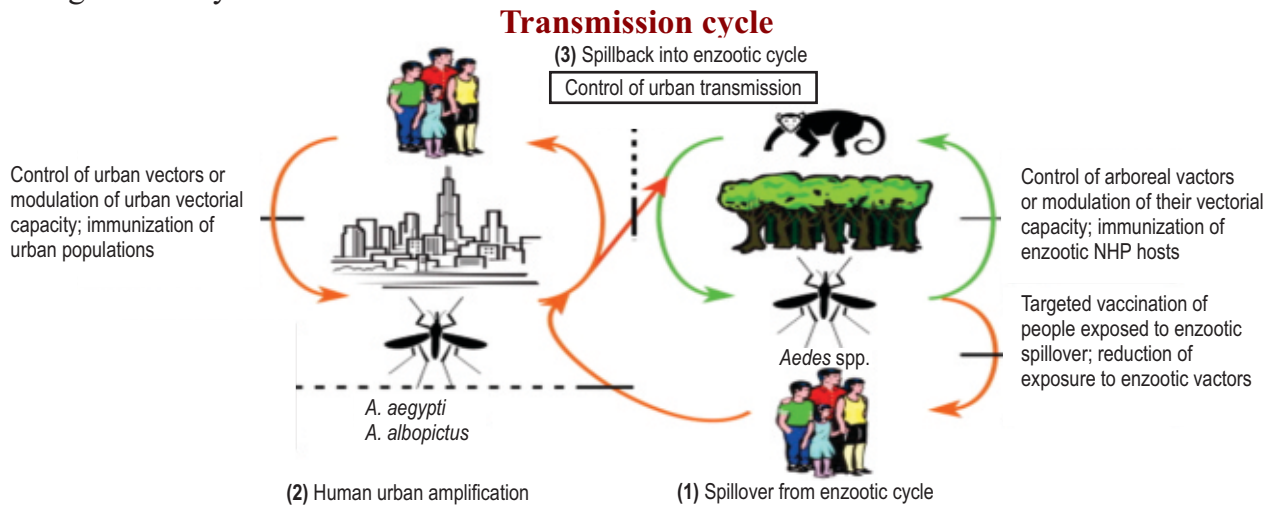


Chikungunya is a mosquito-borne viral disease characterized by joint pain, muscle aches, headache and rash. The main vectors involved are mosquito species *Aedes aegypti* or *Aedes albopictus*. The disease is self limiting and rarely fatal.



Occurrence of Chikungunya



Lesions



Rashes



Swollen joints



Arthritis

Clinical symptoms

- **Humans:** Majority (72%-97%) of infected people develop clinical symptoms
- Incubation period usually 3-7 d, may be 1-12 d
- Primary clinical symptoms
 - Fever-Abrupt onset, typically $\geq 39.0^{\circ}\text{C}$ ($\geq 102.2^{\circ}\text{F}$)
 - Polyarthralgia
 - o Often severe and debilitating
 - o Involves multiple joints
 - o Usually bilateral and symmetric
 - o Most common in hands and feet
- Other clinical signs and symptoms
 - Headache, Myalgia
 - Arthritis, Conjunctivitis
 - Nausea/vomiting and maculopapular rash

Diagnosis

- Testing serum or plasma to detect virus or IgM and neutralizing antibodies.
- Viral culture may detect virus in the first 3 days of illness

Prevention and control

- Avoid contact with mosquito
- Protect infected people from further mosquito exposure during first week of illness
- Good environmental sanitation
- Elimination of potential breeding places of mosquito
- Stored water should be covered
- Prevent collection of water in coconut shells, old tires, empty bottles, cans etc.
- Use insect repellents and mechanical barriers such as mosquito nets
- Health education programme to improve public awareness of disease

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