Zika, dengue, and chikungunya are arboviruses that infect humans through the bite from an *Aedes* mosquito.

Arboviruses require an arthropod vector (insects and ticks) to transmit the pathogen to the host. In the absence of the vector, the pathogen usually cannot be passed to other hosts.

Humans are the primary host for Zika, dengue, and chikungunya viruses, which are transmitted by mosquitoes that live in close proximity to humans.

**DoD Points of Contact**

**Air Force Civil Engineer Center**

Pest Management Subject Matter Expert
Tyndall AFB, FL
Email: AFCEC.RBC@us.af.mil
COM: 850-283-6995
DSN: (312)-523-6995

**USAF School of Aerospace Medicine**

Medical Entomologist
Wright-Patterson AFB, OH
Email: Will.Reeves@us.af.mil
COM: 937-938-4129
DSN: (312) 798-4129

**Armed Forces Pest Management Board**

Contingency Liaison Officer
Email: http://www.afpmb.org/contact
COM: 301-295-7476
DSN: (312) 295-7476

**Housing Residents and Facility Managers**

**Mosquitoes**

The Most Dangerous Animals in the World

- *Aedes aegypti*
- *Aedes albopictus*

**Break the life cycle in your yard.**

Adult mosquitoes sole function is reproduction. The larval mosquito is the active aquatic life stage that feeds on organic materials in its water environment. The pupal mosquito is the resting or transition aquatic life stage.
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### Artificial Containers
- **Bird baths** should be drained and re-filled at least weekly.
- **Pet food/water bowls** should be emptied and filled daily.
- **Flower pots** with bases that hold water should have the excess water drained if the pot is left outdoors.
- **Yard equipment** such as wheel barrows, buckets, and children’s toys that are left unattended can collect water during rains. Yard equipment should be stored so as not to collect water.

### Breeding Areas
- **Rain barrels** or other storm-water collection containers, should be treated with mosquito larvicides or mosquito fish to prevent mosquito development.
- **Old Tires** hold rainwater and have been implicated as a primary cause of spreading the Asian Tiger Mosquito (Aedes Albopictus)
- **Other Breeding sites and items to look for:**
  - Discarded cans and plastic containers
  - Glass bottles and broken bottles
  - Bromeliads and axils of banana trees, coconut husks, bamboo sections
  - Tires, tarps, and plastic sheets
  - Outside Equipment, condensation lines
  - Barrels, water storage tanks, and livestock troughs
  - Obstructed roof gutters, and the upper edge of block walls
  - Plant pot saucers
  - Holes in unused construction blocks or bricks
  - Blocked culverts, downspouts, pipes, and French drains

### Behavior - Day-time Biter
- Lives outside, but comes indoors
- May lay eggs indoors
- Lays eggs in artificial containers, anything that can hold water
- Rests in low, shaded areas; under tables, chairs
- Rests inside damp machinery
- Bites low, ankle biters, legs, feet
- Day-time biter – also in lighted rooms at night
- Silent flier – no buzz in your ear
- Very gentle landing on skin and biting not easily felt
- Adults not active under 60°F
- Adults go inactive, not killed by cold
- Eggs laid in containers of water
- Egg to Larva to Adult in one week or less

### How to Protect Yourself
- Stay inside air-conditioned or screened buildings
- Wear long-sleeved shirt and long pants
- Treat clothing with permethrin insecticide
- Use EPA-registered insect repellent according to product label
- Empty containers of water weekly
- Bed netting (treated)