What is Zika virus?

Zika virus is spread to people through mosquito bites.

The most common symptoms of Zika virus are fever, rash, joint pain, and conjunctivitis (red eyes).

The illness is usually mild with symptoms lasting from several days to a week. Severe disease requiring hospitalization is uncommon.

Zika virus is cause for staying informed - not for panic.

Learning about the virus and ways to prevent infection is important. Steps you take can help protect you from other mosquito-borne diseases, too.

How does Zika virus spread?

Zika virus is spread to people primarily through the bite of an infected Aedes species mosquito.

The mosquitoes typically lay eggs in and near standing water in things like buckets, bowls, animal dishes, flower pots, and vases. They are aggressive daytime biters, prefer to bite people, and live indoors and outdoors near people. Mosquitoes become infected when they feed on a person already infected with the virus. Infected mosquitoes can then spread the virus to other people through bites.

A mother already infected with Zika virus near the time of delivery can pass on the virus to her newborn around the time of birth. It is possible that Zika virus could be passed from mother to fetus during pregnancy.

Zika is an emerging virus. As of January 2016, there were no reports of infants getting Zika virus through breastfeeding. Because of the benefits of breastfeeding, mothers are encouraged to breastfeed even in areas where Zika virus is found.

As of January 2016, there was one report of possible spread of Zika virus through blood transfusion and one report of possible spread through sexual contact.
No vaccine or medications are available to prevent or treat Zika infections.

Treat the symptoms:
- Get plenty of rest.
- Drink fluids to prevent dehydration.
- Take medicines, such as acetaminophen or paracetamol, to relieve fever and pain.
- Aspirin and other non-steroidal anti-inflammatory drugs (NSAIDs), like ibuprofen and naproxen, should be avoided until dengue can be ruled out to reduce the risk of hemorrhage. If you are taking medicine for another medical condition, talk to your healthcare provider before taking additional medication.

Dallas County uses an Integrated Mosquito Management program to control the mosquito population. IMM uses various techniques that include the following tools:

- **Surveillance**: Collect mosquitoes to determine the location, species, quantity and virus potential.
- **Source Reduction**: Investigate and remove water sources that support mosquito breeding habitats.
- **Larvicide**: Use mosquitofish or EPA-approved products to kill mosquito larvae in standing water.
- **Adulticide**: Spray EPA-approved products from trucks and planes to reduce mosquito populations.
- **Public Awareness**: Inform the public by press releases, public information campaigns, websites, pamphlets and presentations.
- **Personal Protection**: Encourage changing personal habits to reduce mosquito bites. This means YOU and how you can protect yourself, your family and community.

The best way to avoid Zika virus is to avoid mosquito bites.

**Defend by using the 4Ds**
- Whenever you’re outside, use insect repellents that contain DEET or other EPA approved repellents and follow instructions.
- **Dress**: Wear long, loose and light-colored clothing outside.
- **Drain**: Remove all standing water in and around your home.
- **Empty, remove, cover or turn upside down any containers that will hold standing water (bottles, cans, tires, buckets, flower pots, etc.).
- **Change water in pet dishes, wading pools and birdbaths several times a week.**
- **Dusk & Dawn**: Limit outdoor activities during dusk and dawn when mosquitoes are most active.

In addition to the 4Ds, travelers can protect themselves by doing the following:
- Choose a hotel or lodging with air conditioning or screens on windows or doors.
- Sleep under a mosquito bed net if you are outside or in a room that is not well-screened.