



Northwest Mosquito & Vector Control District

Protecting northwest Riverside County since 1959

*Riverside City Council Meeting
Tuesday, July 12, 2016*

ZIKA VIRUS

What is Zika?

Zika is a virus transmitted by the Aedes mosquito, which also transmits dengue and chikungunya.

Zika can cause:

- Mild fever
- Conjunctivitis
- Headache and joint pain
- Skin rash

Onset is usually 2-7 days after the mosquito bite.

1 in 4 people with Zika infection develops symptoms.

A very small number of people can develop complications after becoming ill with the virus.

[Pan American Health Organization](#)
[World Health Organization](#)

[#zika](#)
[#FightAedes](#)
[#ZikaVirus](#)
www.paho.org/diseases

ZIKA VIRUS

What YOU need to know

Zika is a viral infection spread by mosquitoes. Ongoing transmission of the virus is currently taking place in the western hemisphere. The Centers for Disease Control and Prevention (CDC) has issued a travel warning for these areas.

How do you get ZIKA?

- Mosquitoes
- Mother to fetus during pregnancy
- Sexual transmission

What are the symptoms?

Most people will not develop symptoms. Only one in five will develop mild symptoms, typically 2-7 days after the initial bite.

- Fever
- Conjunctivitis (Red Eyes)
- Muscle Pain
- Rash
- Headache
- Joint Pain

How can I protect myself?

- Avoid mosquito bites
- Choose lodging with air conditioning or screened windows and doors
- Use a mosquito net
- Wear long-sleeved shirts and long pants
- Use EPA registered insect repellent containing DEET, picaridin and IR3535
- Use permethrin-treated clothing and equipment.

If you or someone you know starts to develop symptoms of ZIKA, please contact your health care provider

*Information provided by Navy Marine Corps Public Health Center and the Centers for Disease Control



NAVY MEDICINE
As of February 6, 2016

What We Know About Zika virus



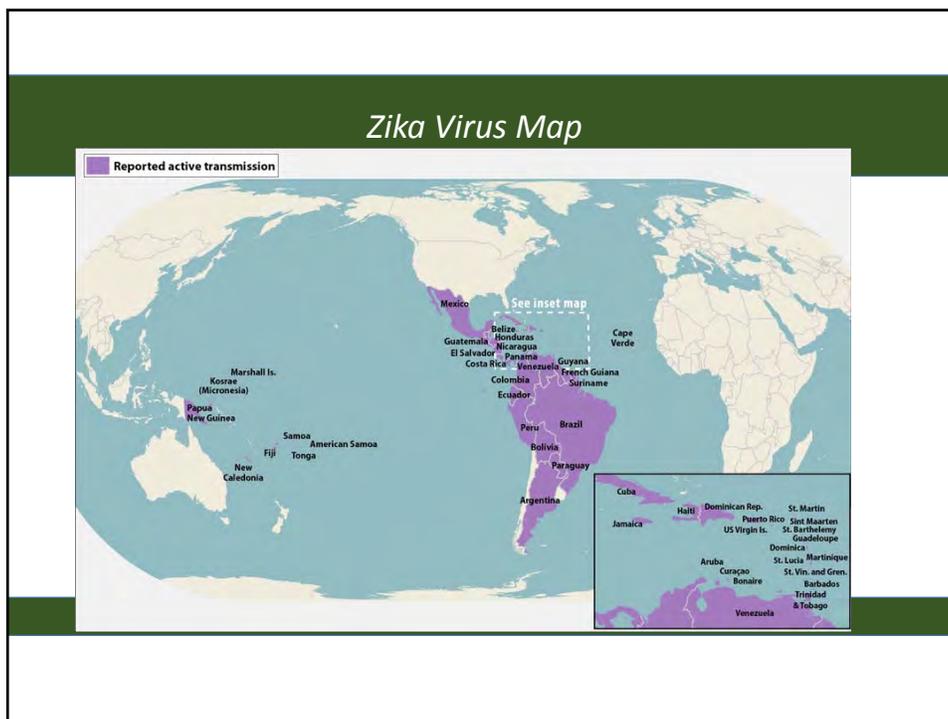
- *Zika virus can be spread from a mother to her fetus during pregnancy.
- *Infection during pregnancies is linked to birth defects in babies, microcephaly.
- *Zika is spread by the bite of an infected *Aedes* species mosquito.
- *These mosquitoes are aggressive daytime biters but will also bite at night.
- *These mosquitoes are found in the United States.
- *Zika has not been locally acquired in the United States.
- *There is no vaccine or medicine for Zika virus.
- *In most cases, people do not show symptoms.

What We Don't Know About Zika virus



What We Don't Know

- *If there is a safe time during your pregnancy to travel to an area with Zika.
- *If you do travel and are bitten:
 - How likely are you to get Zika virus?
 - How likely is it that your baby will have birth defects?



I Am Travelling to A Place With Zika Virus



Packing List

- *EPA-registered insect repellent
- *Long-sleeved shirts and long pants
- *Bed Net
- *Condoms if you might have sex

I Am Travelling to A Place With Zika Virus



On Your Trip

- *Use insect repellent.
- *Apply sunscreen first, let dry, apply insect repellent.
- *Wear long sleeves and pants when possible.
- *Stay and sleep in air-conditioned or screened-in rooms.
- *Use a bed net as needed.
- *Use condoms if you have sex.

I Am Travelling to A Place With Zika Virus



When you return

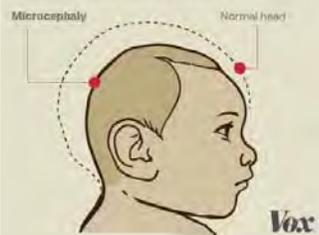
- *Continue using insect repellent for 6 weeks to keep from spreading Zika back home.
- *Use condoms for at least 8 weeks.
- *Men who have had Zika should use condoms for 6 months.
- *See your Doctor right away if:
 - You have Zika symptoms.
 - You think you are pregnant.

Occurrence of Microcephaly in Brazil



Researchers think Zika might be behind the rise of "microcephaly"

A birth defect that is associated with a small head and incomplete brain development in newborns.



Historic number of cases of Microcephaly in Brasil 2010 - 2015

	2010	2011	2012	2013	2014	2015
Brasil	153	139	175	167	147	3,530

Source: Brasil Health Ministry

Brazilian government estimates there are between 400,000 and 1.4 million Zika cases in the country and about 80% are asymptomatic.

While the direct link has not been absolutely established, the CDC has verified the presence of Zika virus in two newborn babies with microcephaly that died and the placenta of two women that miscarried infants with microcephaly.

Cases of Zika in California

As of June 17, 2016

	CDC Confirmed Cases*
Travel Associated	62
Locally Acquired	0
Riverside County	0
Pregnant	15

Transmission Cycle

In the United States, people serve as primary vertebrate hosts



Be on the Lookout

Be on the lookout for day biting mosquitoes.

Aedes aegypti found in Riverside, 2015

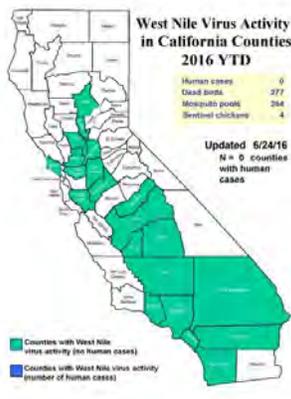


West Nile Activity Summary for 2015/2016

2015 Totals
 In the US: 2,060
 Deaths: 119

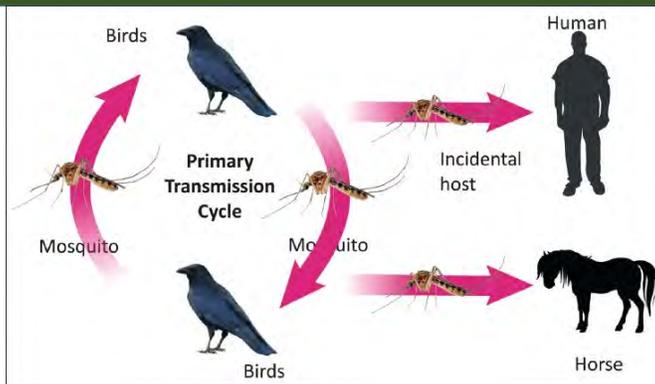
 California: 783
 Deaths: 53

 County of Riverside: 141
 Deaths:
 District: 101



2016 Activity to Date- Riverside County
 0 Human Cases
 1 Dead birds
 11 mosquito samples
 3 mosquito samples NW
2015 Activity to date Comparison
 0 Human Cases
 4 Dead Birds
 28 mosquito samples

West Nile virus



Our tools for Success

- 1)Wear Insect repellent containing DEET.
- 2)Drain and Dump Standing water on your property.
- 3)Report Standing Water to the Northwest Mosquito and Vector Control District at 951-340-9792.
- 4)Ensure Window and Door Screens are tight fitting.
- 5)Be on the lookout for Day Biting Mosquitoes.
- 6)Watch for mosquito breeding on your property

Mosquito Larvae



Breeding Sources

Anything that can hold water longer than a few days
can be a potential breeding source



Mosquito Control

There is no fee for our services
We are not Code Enforcement
We do not issue fines

Contact the District

Telephone: 951-340-9792

Website: www.northwestmvcd.org

Email: bvandyke@northwestmvcd.org

Address: 1966 Compton Avenue, Corona, CA 92881