

As Zika spreads, Texas reports sexually transmitted case (Update)

February 2 2016



Transmission electron micrograph (TEM) of Zika virus. Credit: Cynthia Goldsmith/Centers for Disease Control and Prevention

The Zika virus has been transmitted sexually, top US health authorities confirmed on Tuesday, fueling fears of the rapid spread of the disease blamed for a surge in the number of brain-damaged babies.

With concern growing that an outbreak sweeping Latin America could spread much farther, health authorities in Texas said they had confirmation of the virus being transmitted by sexual contact and not just tropical mosquitoes.

That is a troubling prospect for the United States, Canada and Europe, where Zika had so far only appeared in travelers returning from affected areas.

"The patient was infected with the virus after having sexual contact with an ill individual who returned from a country where Zika virus is present" this year, a Dallas County statement read.

The county subsequently tweeted that the virus was contracted from someone who had traveled to Venezuela, and that a second case of Zika imported from Venezuela has also been documented.

Dr Tom Frieden, director of the US Centers for Disease Control and Prevention later Tuesday confirmed in an email the case of sexually transmitted infection reported earlier in Texas.

Someone who visited Venezuela and was infected there developed Zika symptoms as did their sexual partner who never left the United States, he said on Twitter.

Last month, the CDC said it was aware of one reported case of sexual transmission of Zika and one case of the virus being present in a man's semen after it disappeared from his blood.

Zika, which was first identified in Uganda in 1947, causes relatively mild flu-like symptoms and a rash.

But there is growing alarm over an apparent link between the current

outbreak and both a rise in birth defects and a potentially crippling neurological disorder called Guillain-Barre syndrome.

Latin American countries, particularly Brazil, have reported a surge in cases of microcephaly—which causes babies to be born with abnormally small heads—since the Zika outbreak was declared in the region last year.

The virus is spread primarily by the *Aedes aegypti* mosquito, whose habitat is concentrated in the tropics—giving temperate countries an apparent reprieve.

But sexual transmission would complicate matters.

"The majority of Zika infections are asymptomatic," said Peter Horby, professor of emerging infectious diseases and global health at Oxford University.

"Is there a risk of sexual transmission from people who had asymptomatic infection? For how long can sperm be infectious? This highlights our ignorance of this virus."

Global risk

A day after declaring the spike in serious birth defects in South America an international emergency, the World Health Organization said it had created a global Zika response unit to contain the virus.

WHO expert Anthony Costello emphasized the urgency of rapid action, stressing there was no reason to believe the crisis would remain limited to Latin America.

"We know that the mosquitoes that carry Zika virus... are present

through most of Africa, parts of southern Europe and many parts of Asia, particularly south Asia," he said.

Underlining Costello's point, Thai officials announced a man had contracted the virus in the country.

Cape Verde and Indonesia have also reported domestic Zika cases.

The International Federation of Red Cross and Red Crescent Societies joined the WHO in declaring an "emergency," and appealed for 2.4 million Swiss francs (\$2.36 million) to support its response in the Americas.

French pharmaceutical giant Sanofi meanwhile announced it had begun research into a vaccine for Zika, for which there is currently no specific treatment.

Developing a vaccine could however take years, experts say.

Free abortion pills

In Brazil, which has been hardest hit, Olympics organizers said they are concerned but downplayed fears—one day after the government warned pregnant women not to attend the Games.

"We are sure we will win this battle and it will not affect the Games," said Rio 2016 organizing committee spokesman Mario Andrada.

The Olympics will be held in Rio de Janeiro from August 5 to 21, during the southern hemisphere winter, which means there will be fewer mosquitoes, organizers stressed.

A Dutch women's rights group meanwhile offered to send free pills to

trigger an abortion to pregnant women in Latin America, a region known for its restrictive abortion laws.

"We are extremely worried that (the outbreak) might cause increasing unsafe abortions," said Rebecca Gomperts, founder and director of Women on Web.

Since October, Brazil has reported 3,670 suspected cases of microcephaly, of which 404 have been confirmed—up from 147 in 2014.

In all, more than 1.5 million Brazilians are estimated to have been infected with Zika.

Colombia, Ecuador, El Salvador, Jamaica and Puerto Rico have all warned women not to get pregnant.

Mexico announced it was creating special brigades to address areas likely to have more mosquitoes.

And Peru performed health checks on all Sao Paulo footballers visiting Trujillo for a Copa Libertadores match. They were all clear of Zika, dengue and chikungunya.

Some health experts urge condom use, while others say abstinence is the only way to avoid Zika.

"Don't have sex with a virus, it's that simple," said Jill Rabin, co-chief of the division of ambulatory care at Women's Health Programs at Northwell Health in New York.

© 2016 AFP

Citation: As Zika spreads, Texas reports sexually transmitted case (Update) (2016, February 2) retrieved 2 May 2024 from

<https://medicalxpress.com/news/2016-02-texas-case-sexually-transmitted-zika.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.