

Zika Virus: The Science and Epidemiology – What You Need To Know”

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Zika Virus: What You Need To Know – An Overview

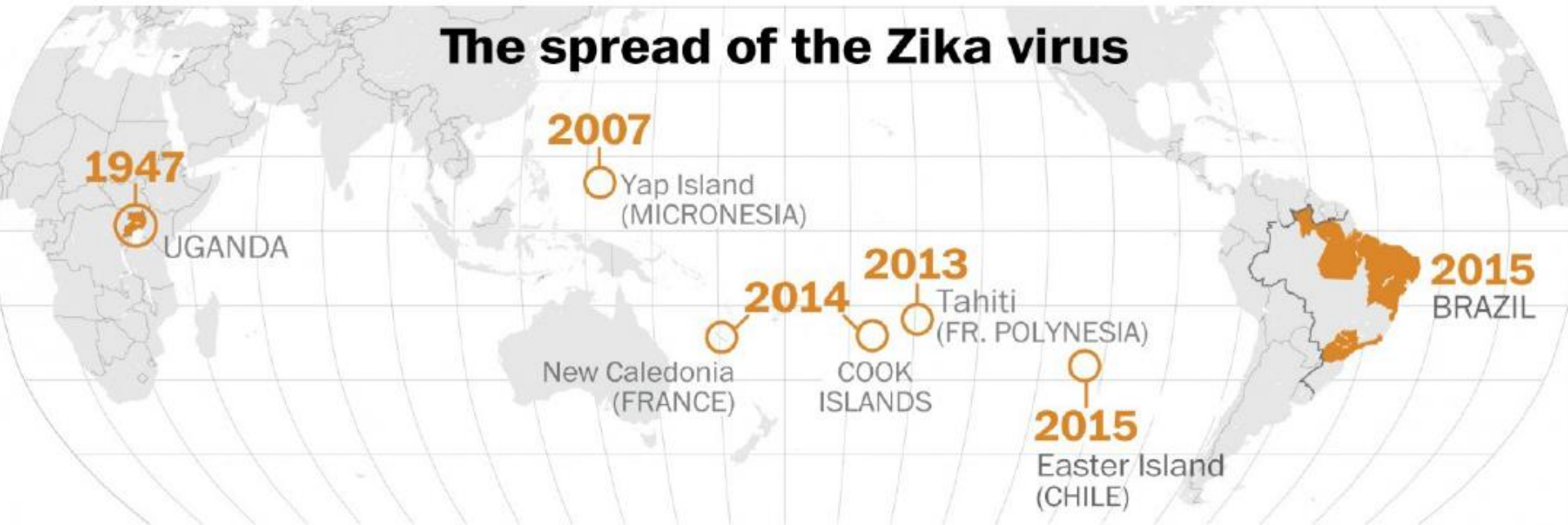
- **Epidemiology**
- **Transmission**
- **Mitigation**



Zika Virus: What Is It?

- Flaviviridae family; related to:
 - Dengue
 - Yellow Fever
 - West Nile
- Non Human and Human primates are the reservoir
- Mosquitos are the vectors

Zika Virus: Epidemiology



Zika Virus: Epidemiology

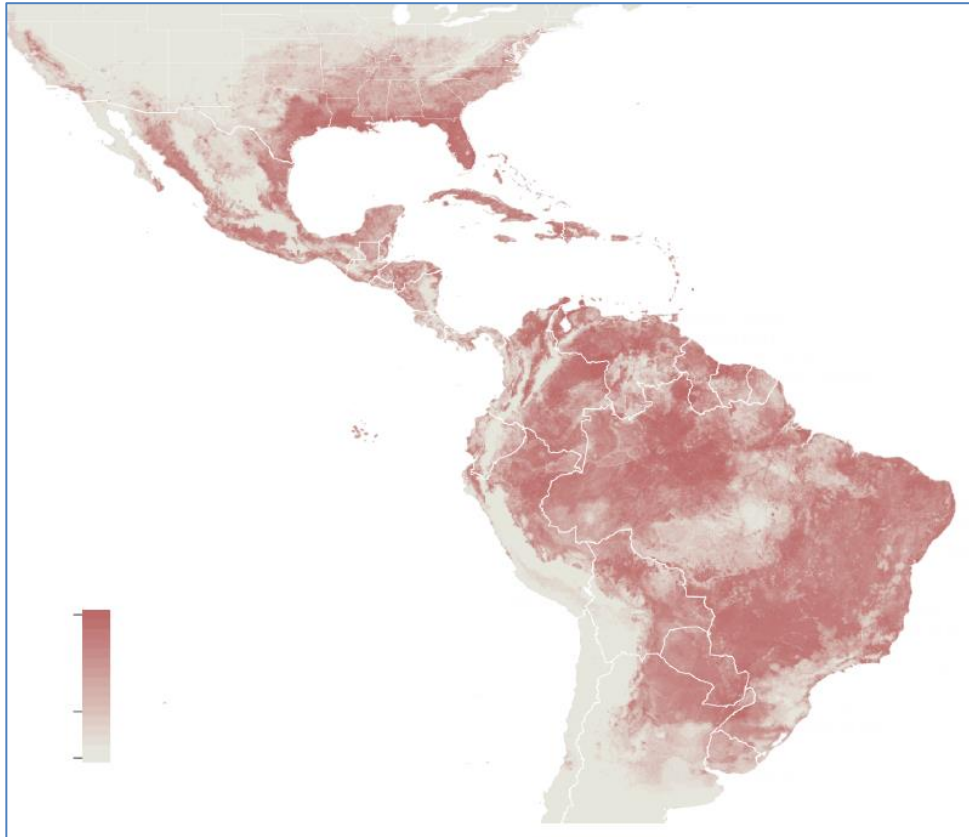


Zika Virus: Transmission

- During outbreaks the spread is *anthroponotic*, i.e. Human-to-Vector-to-Human
- Aegypti mosquito



Zika Virus: Transmission – Aegypti range



Zika Virus: Mitigation

- Microcephaly
- Guillian-Barre Syndrome



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BRIEF REPORT

Zika Virus Associated with Microcephaly

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Zika Virus: Mitigation



Pregnant?

Warning: Zika might be linked to birth defects
There is no vaccine to prevent Zika virus infection



Protect yourself from mosquito bites



Daytime is most dangerous
Mosquitoes that spread chikungunya, dengue, and Zika are aggressive daytime biters. They can also bite at night.



**Use insect repellent
It works!**
Look for the following active ingredients:
• DEET • PICARIDIN • IR3535



Wear protective clothes
Wear long-sleeved shirts and long pants and use insect repellent. For extra protection, treat clothing with permethrin.



Mosquito-proof your home
Use screens on windows and doors. Use air conditioning when available. Keep mosquitoes from laying eggs in and near standing water.

For more information:

www.cdc.gov/chikungunya • www.cdc.gov/dengue • www.cdc.gov/zika



U.S. Department of
Health and Human Services
Centers for Disease
Control and Prevention

Thank You...Questions/Discussion

