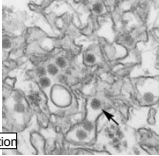


Zika Virus

Sample M & M Presentation
BIOL 240
Skyline College

Zika Virus

Sense single-stranded
RNA virus
Flaviviridae
Spondweni group
Flavivirus
ZIKV

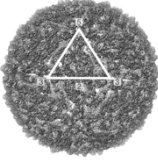


Common knowledge: no citation
Image source: CDC, Public Health Image Library #20487.

Zika Virus

Sense single-stranded
RNA virus
Flaviviridae
Spondweni group
Flavivirus
ZIKV

40 nm
Icosahedral
Enveloped



Nature

History

- 1947: Zika Forest
- 1948: mosquito
- 1952: human



WHO

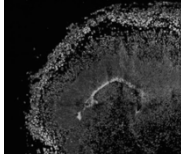
Signs & Symptoms

- Asymptomatic
- Fever, rash, joint pain, or conjunctivitis
- Guillain–Barré syndrome
- Fetal microencephaly
– Diagnosis by RT-PCR

Info source: NEJM

Virulence Factors


- Attachment surface protein E
- AXL receptor



Nowakowski, Cell.

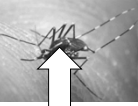
Vector

Aedes aegypti




CDC

A. albopictus



CDC


Aedes in the U.S.



A. aegypti


CDC

Aedes in the U.S.



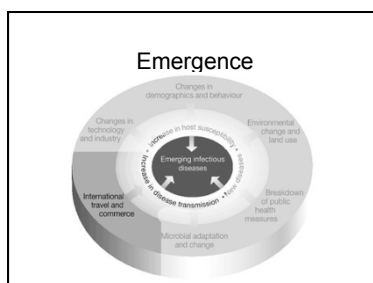
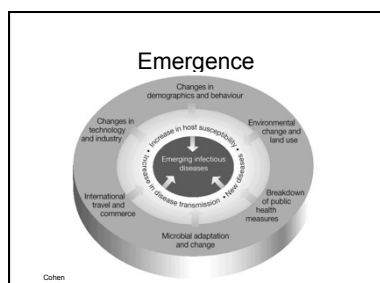
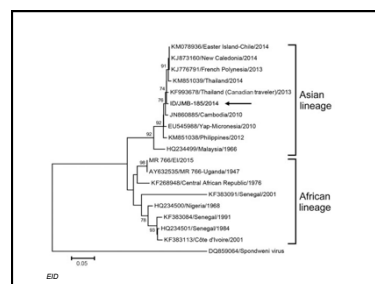
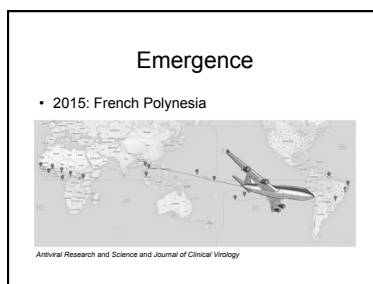
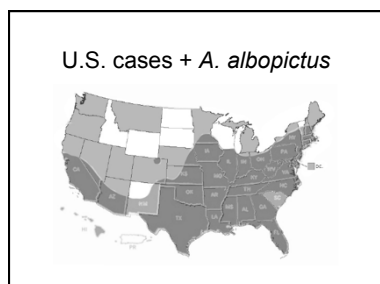
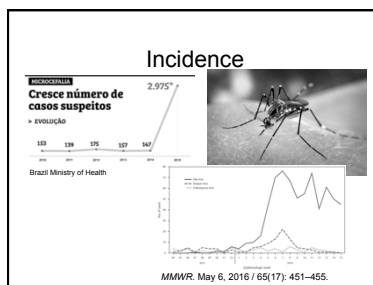
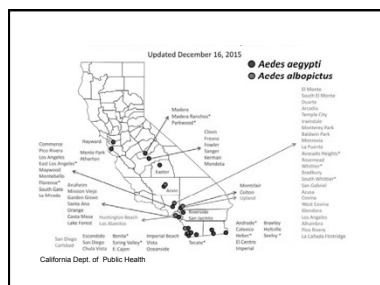
A. aegypti

CDC



A. albopictus

CDC



Prevention & Treatment

- No treatment
- Vector control



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Complete citations:

Primary literature:

No textbooks, wikis, encyclopedias.