



**Region 7 Healthcare Coalition
Table Top Exercise
May 18, 2017**



April 12, 2017

- The **West African Ebola epidemic** dwarfed all previous outbreaks of the virus, sickening more than 28,000 people and killing more than 11,000.
- Scientists traced the epidemic's origin to December 2013, when a 2-year-old who had been playing near a bat-filled tree died in a small village in the southeastern part of Guinea.



How do you get the Ebola virus?

Direct contact with

- 1** **Body fluids of a person who is sick with or has died from Ebola** (blood, vomit, urine, feces, sweat, semen, spit, other fluids)
- 2** **Objects contaminated with the virus** (needles, medical equipment)
- 3** **Infected fruit bats or primates** (apes and monkeys)
- 4** **Possibly from contact with semen from a man who has recovered from Ebola** (by having oral, vaginal, or anal sex)

A big-picture look at the world's worst Ebola epidemic

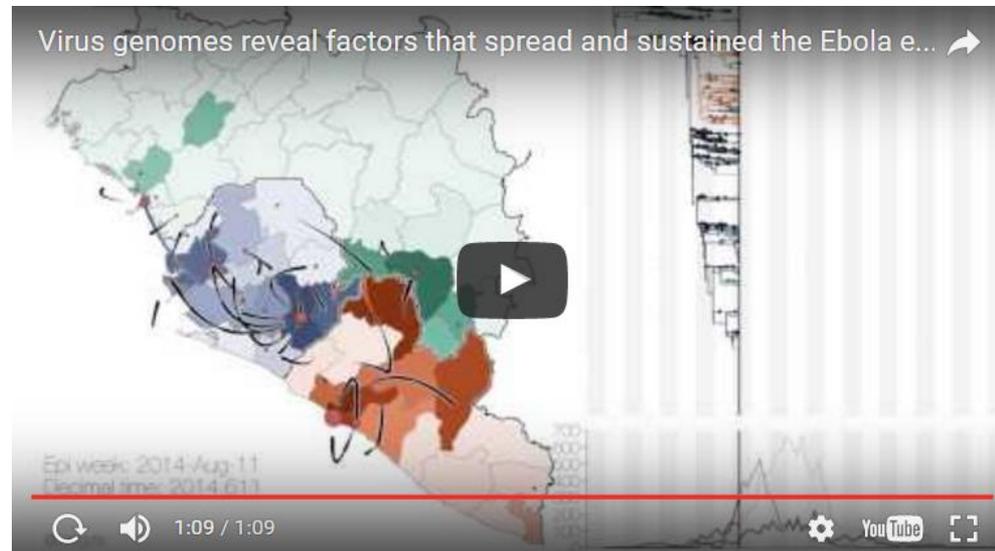
April 12, 2017



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- Shading within each country indicates the weekly incidence of Ebola Virus Disease, with darker shades corresponding to more cases.
- Tapered projectiles (colored if lineage is crossing an international border and black otherwise) indicate inferred movements of Ebola virus.

The 3 countries most affected by the 2013-2016 Ebola epidemic—**Guinea (green)**, **Sierra Leone (blue)** and **Liberia (red)**.



A big-picture look at the world's worst Ebola epidemic

- The analysis found that the epidemic unfolded in small, overlapping outbreaks with surprisingly few infected travelers sparking new outbreaks elsewhere, each case representing a missed opportunity to break the transmission chain and end the epidemic sooner.
- 3.6% of cases traveled, meaning that if you were able to focus on those mobile cases and reduce their mobility, you might have had a disproportionate effect on the epidemic



Nigeria -2014

- American Diplomat flew from Liberia to Lagos (Nigeria's largest city) while sick.
- The patient, and government officials, insisted he be released from the hospital.
- Ebola virus disease confirmed.
- 19 secondary cases
- 8 deaths (4 = HCW including the MD who refused to release him)
- Other viral hemorrhagic fevers in Nigeria including a 2017 outbreak



R7 HCC Highly Infectious Disease Exercise

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MODULE 1A: NOTIFICATION OF NEED FOR VIRAL HEMORRHAGIC DISEASE PATIENT TRANSPORT

Day One: 10:00 A.M.

Ms. Obasi is a 17 year-old female. She is a student at a local high school. Her adoptive father works for Chelan EM. Her adoptive mother is a primary care provider at a local clinic. She has 3 other sisters at home (ages: 2, 7 and 11). Although Ms. Obasi is multi-lingual she has limited English proficiency. Ms. Obasi has been admitted to a facility after presenting with clinical signs and symptoms of hemorrhaging (gums, eyes, or nose, as examples), respiratory distress, repeated vomiting, facial swelling, pain in the chest, back, and abdomen, and shock and a recent travel history from Nigeria with her adoptive family. The hospital has notified local public health authorities and hospital staff recognizes that the patient meets the CDC definition for a “Person Under Investigation” (PUI) for Ebola Virus Disease (EBV) or Other Special Pathogen Diseases (OSPD). Public health was not previously aware of this patient, as monitoring of travelers has been discontinued, at the state level. The hospital places the patient in standard, contact, and droplet isolation and follows all other CDC infection prevention and control recommendations for Viral Hemorrhagic Disease (VHF).



- Review key issues
- Discuss a few questions as a group

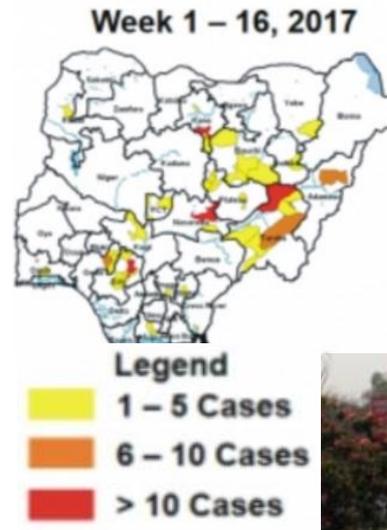


Lassa fever outbreak in Nigeria- May 2017

- Day two: 2pm
- Nigeria: 242 cases/ 46 deaths (19% fatality rate)
- 2016-CDC has confirmed a case of Lassa fever at Emory University Hospital.



<https://www.youtube.com/watch?list=PLZawdyaRCGCEVf4Y6wAijEz56RTFRfA1r&v=IPgYplSFgzI>
<https://www.enca.com/africa/scores-killed-in-lassa-fever-outbreak-in-nigeria>



<http://www.ncdc.gov.ng/reports/weekly>