

Managing MDROs

Emory University Resources:

- Session Resources
 - Post session resources (podcast of webinar, presentation slides, responses to unanswered questions) can be found on our website
 - <https://med.emory.edu/departments/medicine/divisions/infectious-diseases/serious-communicable-diseases-program/covid-19-resources/access-past-echo-recordings.html>
- Region 4 Situation Report
 - <https://med.emory.edu/departments/medicine/divisions/infectious-diseases/serious-communicable-diseases-program/covid-19-resources/region-4-situation-reports1.html>
- Register for upcoming sessions on our website
 - <https://med.emory.edu/departments/medicine/divisions/infectious-diseases/serious-communicable-diseases-program/covid-19-resources/echo-upcoming-session.html>
- HHS Region IV Emory University SCDP Resources
 - <https://med.emory.edu/departments/medicine/divisions/infectious-diseases/serious-communicable-diseases-program/covid-19-resources/index.html>
- Region IV Concept of Operations (CONOPS) - Regional Partners and Contacts
 - <https://netec.org/about-netec/partners-regional-contacts/#regional-contacts>
- Emory Serious Communicable Diseases Unit – Additional Resources
 - <https://med.emory.edu/departments/medicine/divisions/infectious-diseases/serious-communicable-diseases-program/ebola-resources/index.html>
- NETEC
 - <https://netec.org/>
- NETEC – National Special Pathogens System of Care (NSPS)
 - <https://netec.org/nsps/>

General External Resources:

Disclaimer - Our program provides additional resources that may be of use to our session attendees. This list is not inclusive, nor does our program endorse specific organizations.

- Healthmap.org (Location based alerts)
- Outbreaknewstoday.com
- Center for Infectious Disease Research and Policy (CIDRAP), University of Minnesota (UNM)
- The University of Nebraska Medical Center (UNMC) - Global Center for Health Security: The Transmission

- Global Biodefense.com
- CDC – Division of High-Consequence Pathogens and Pathology
- Georgia Department of Public Health – Travel Clinical Assistant (TCA)
 - <https://dph.georgia.gov/TravelClinicalAssistant>
- ProMED – International Society for Infectious Diseases

Please continue to check your local and state public health websites for additional resources and guidance.

Session Resources:

- Implementation of contact precautions for multidrug-resistant organisms in the post-COVID-19 pandemic era: An updated national Emerging Infections Network (EIN) survey
 - <https://doi.org/10.1017/ice.2024.11>
- Carbapenem-resistant Enterobacterales (CRE)
 - <https://www.cdc.gov/hai/organisms/cre/index.html>
- ESBL-producing Enterobacterales in Healthcare Settings
 - <https://www.cdc.gov/hai/organisms/ESBL.html>
- Multi-site Gram-negative Surveillance Initiative
 - <https://www.cdc.gov/hai/eip/mugsi.html>
- Strategies for Prevention and Response to Novel & Targeted Multidrug-Resistant Organisms (MDROs)
 - <https://www.cdc.gov/hai/mdro-guides/index.html>
- Clinicians: Information about CRE
 - <https://www.cdc.gov/hai/organisms/cre/cre-clinicians.html#:~:text=Top%20of%20Page-,How%20are%20CRE%20transmitted%3F,reservoir%20and%20CRE%20transmission%20source>
- Environmental Reservoirs of Nosocomial Infection: Imputation Methods for Linking Clinical and Environmental Microbiological Data to Understand Infection Transmission
 - <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5977616/>
- Antimicrobial resistance: a global health threat
 - <https://www.unep.org/topics/chemicals-and-pollution-action/pollution-and-health/antimicrobial-resistance-global-threat>
- Reduce Risk from Water
 - <https://www.cdc.gov/hai/prevent/environment/water.html>

Situation Report:

Region 4 Special Pathogens of Concern Situation Report

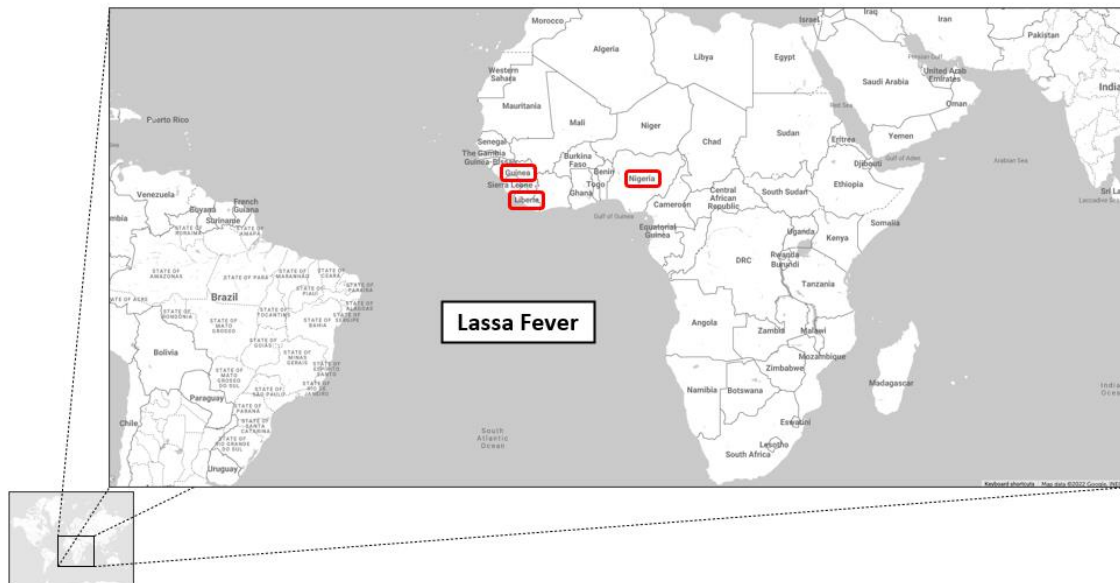


11 April 2024



Now to place this session in context, the Emory University Serious Communicable Diseases Program in conjunction with the SRDRS puts together situation reports on special pathogens of concern for our region, HHS Region 4. These SitReps are typically published on our website, social media channels, Emory Department of Medicine YouTube Channel and listservs. Here is the current HHS Region 4 special pathogens Sit rep.

Situation Report 11 April 2024



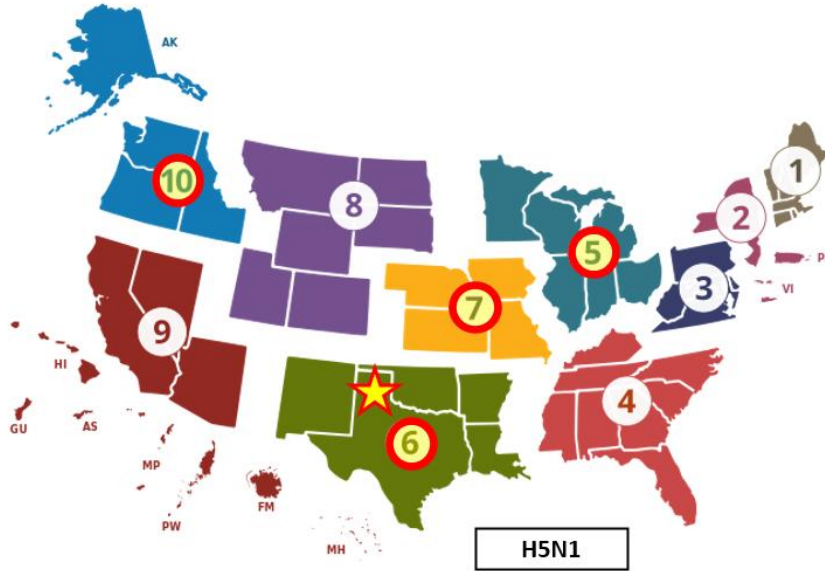
First, in West Africa, the west African health organization is reporting that Lassa Fever is now affecting three states. In Guinea there have been 29 suspected & three confirmed cases, two of which have been fatal since the start of 2024. In neighboring Liberia a total of 68 suspected, 31 confirmed, and nine deaths equating to a case fatality rate of 29%, have been reported since the beginning of the year. And in Nigeria, from the most recent report of the week that ended on 24 March there have been 791 confirmed and 149 fatal cases of Lassa, a case fatality rate of 18.8%. However, in positive news the first phase 2 clinical trial of a Lassa fever vaccine using the same recombinant vector as the current Ebolavirus vaccine has been initiated in-country.

Situation Report 11 April 2024



Next, in southeast Asia additional reports of avian influenza infections continue. Over the past weekend Vietnam’s health ministry reported an H9N2 case in a 37-year-old man that was confirmed on April 1. This is the first recorded case in-country and follows a fatality in March from H5N1. Both cases had evidence of poultry exposure, and there is no current evidence of human-to-human transmission.

Situation Report 11 April 2024



In the United States, on April 1st, the second ever recorded human case of H5N1 in the country was reported in a person connected to a dairy farm in Texas. Dairy cows had recently tested positive for H5N1 at this farm, and though this is the first instance of mammalian to human transmission, sequencing of the virus has shown that it has not acquired mutations that facilitate transmission among humans and the risk to the general public continues to remain low. Conjunctivitis was the only reported symptom, and the patient was treated with oseltamivir with improvement. And on Friday April 5th the CDC issued a Health advisory regarding detection of H5N1 in dairy cattle in six states (TX, KS, MI, NM, ID, OH) in regions 5,6,7 and 10-evaluation of spread amongst dairy cattle is ongoing. Predominant symptom is milk drop - the cows themselves have not been severely ill unlike on poultry farms. In short, gaps in understanding remain.



<https://scdu.emory.edu>

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 <https://www.youtube.com/@EmoryDOM>



Finally, there have been no reports of other suspected or confirmed patients with special pathogens of concern in region IV at this time. For more resources, visit us on the web at scdu.emory.edu