

The RSV Surge and Pediatric Patient Management

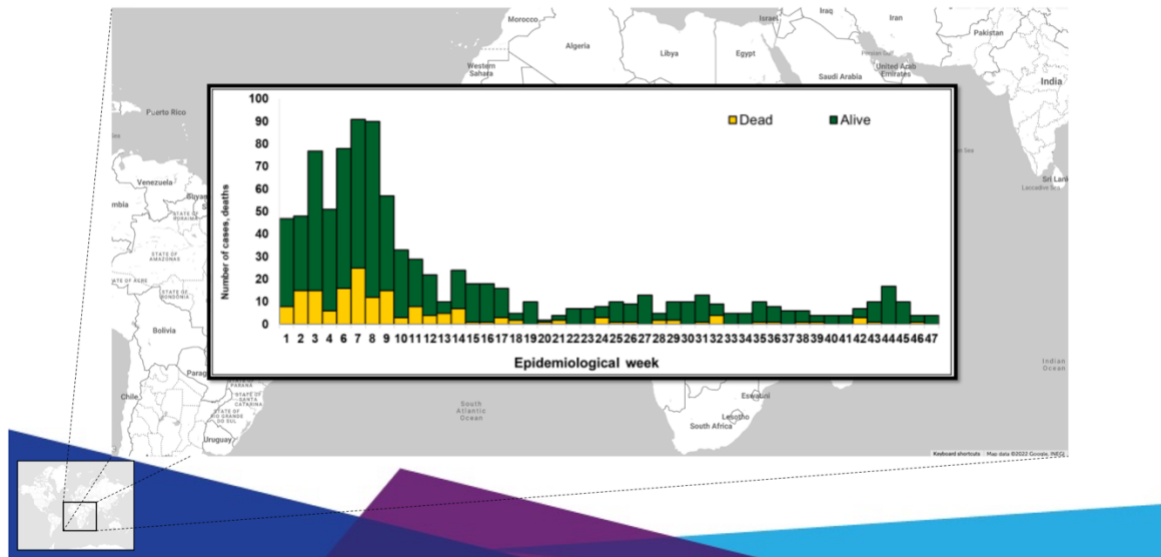
Session Resources:

- 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:
 - <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
 - <https://med.emory.edu/departments/medicine/divisions/infectious-diseases/serious-communicable-diseases-program/ebola-resources/index.html>
- NETEC:
 - <https://netec.org/>
- Georgia Hospital Bed/Ventilator Capacity (updated once per day)
 - <https://covid-hub.gio.georgia.gov/apps/47c1cee4d02542bea35bc3324d6cf5e3/explore>
- Georgia Coordinating Center: Regional Patient Distribution
 - https://georgiarcc.org/?county=Fulton®ion=®ional_coordinating_hospital=&search_by_type=&search-by-hospital=&search=
- American Academy of Pediatrics: Guidance on RSV Prophylaxis, Handling Surge of Pediatric Patients with Respiratory Infections
 - <https://www.aap.org/en/news-room/news-releases/aap/2022/american-academy-of-pediatrics-offers-guidance-on-rsv-prophylaxis-handling-surge-of-pediatric-patients-with-respiratory-infections/>
- CDC's Core Infection Prevention and Control Practices for Safe Healthcare Delivery in All Settings
 - <https://www.cdc.gov/infectioncontrol/guidelines/core-practices/>

Situation Report

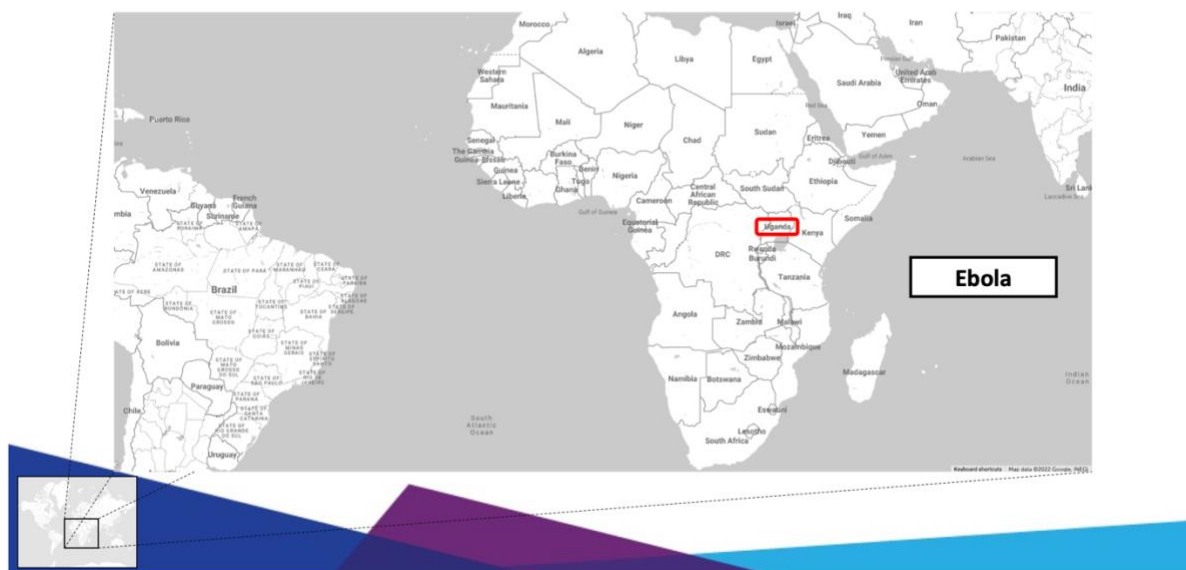
The Emory University Serious Communicable Diseases Program in conjunction with the SRDRS puts together weekly situation reports on special pathogens of concern for our region, HHS Region IV. These Sit Reps are typically published on our website, social media channels, Emory Department of Medicine YouTube Channel and listservs. Here is the HHS Region IV Special Pathogens Sit Rep for the week.

Situation Report 08 December 2022



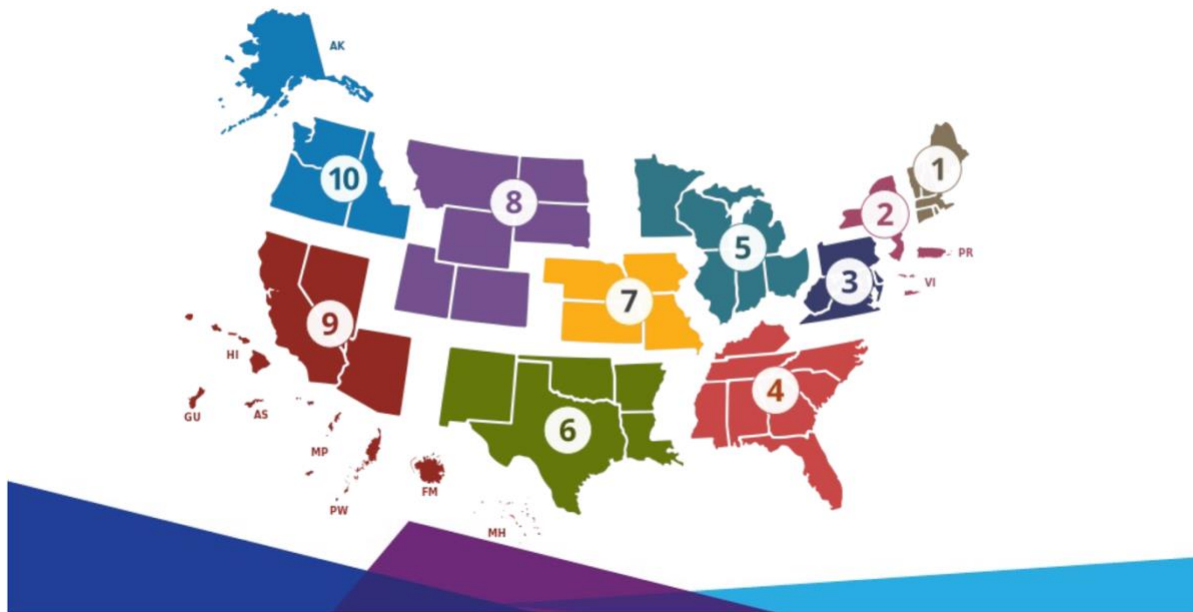
- First, in Nigeria since our last report there have 4 new cases of Lassa Fever, bringing the official confirmed case count as of November 27th to 994, with 178 fatalities thus far.
- The case fatality rate has remained steady at approximately 18% among confirmed cases. No new healthcare workers have been affected, and a multinational effort toward accelerating the licensing of Lassa fever vaccines continues.
- The outbreak appears to be tapering down.

Situation Report 08 December 2022



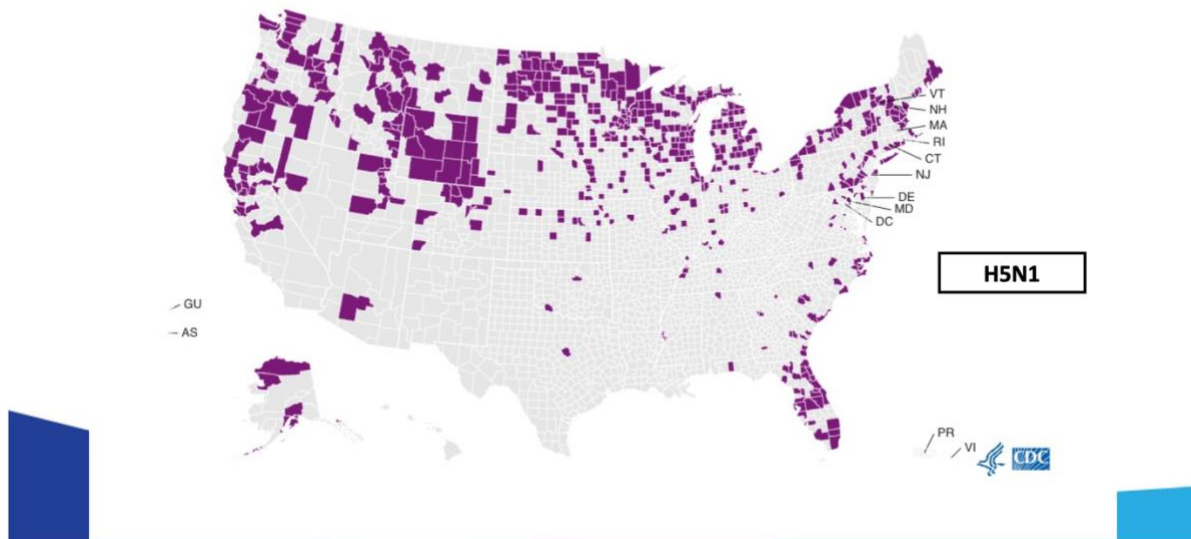
- Next to Ebola, where in Uganda, the Sudan virus outbreak may be showing signs of abatement. The last known hospitalized Ebola patient was discharged last week and the last confirmed case was a stillborn born on November 27th to a mother who had previously recovered. As it stands currently there are 142 confirmed cases with 55 confirmed deaths. Additionally, there are at least 20 probable cases.
- The Uganda Ministry of Health and the WHO are urging caution, as undocumented chains of transmission are possible, and the outbreak may not be completely over. Vaccine candidates have arrived in country, though with little cases at the moment, ring vaccination trials may prove challenging to initiate.

Situation Report 08 December 2022




- In the United States There have been no reports of high-risk patients under investigation, or PUIs, in the country. But as Healthcare workers have accounted for 13.4% of cases and 12.7% of all deaths in Uganda, frontline personnel in the US are advised to continue to be on alert for patients presenting with consistent symptoms, exposure and travel history.

Situation Report 08 December 2022



- Also in the United States, H5N1, otherwise known as highly pathogenic avian influenza has now spread to 710 counties in 48 states. Over 4,360 birds have tested positive for the virus. However, as of yet this year there has been only one reported human case in the US. The virus is so named for the extreme pathogenicity in birds, and it's presumed to have high infectivity in humans, easy transmissibility, and lack of effective medical countermeasures warrant classification as a special pathogen. The public is advised to keep their distance from wild birds.



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<https://scdu.emory.edu>

- Lastly, there have been no reports of patients with other special pathogens of concern in the past week in Region IV.
- For additional resources, visit us at scdu.emory.edu.

Session Reminders:

- Treatment for Viral Bronchiolitis
 - SUPPORTIVE CARE!
 - Hydration
 - Gentle suctioning
 - Oxygen and escalation of care needed for hypoxia and/or respiratory distress
 - Antipyretics if uncomfortable/in distress
 - NOT: Chest x-ray, antibiotics, albuterol, steroids, racemic epinephrine etc.
- EMS Support for children with respiratory issues
 - Provide supportive care – upright position, suctioning, and blow- by oxygen,
 - Get the child to the hospital as soon as possible.
- Monthly Monoclonal Injections
 - Typically provided during Bronchiolitis season to infants with severe medical comorbidities
- Respiratory Virus Testing in the ED
 - Helpful during admissions, for children with underlying medical conditions with influenza like illness (cough, sore throat, fever) who might be a candidate for Tamiflu (within 48-hour window)
 - Testing children under age two with fever, cough, and/or wheezing is done on a limited basis
 - May not be necessary
 - Best to refrain from overuse of resources
- Adult provider education in treating pediatric patients
 - Government/county declaration needed
 - Critical to obtain hospital buy-in
 - Can provide emergency credentialing to physicians