

ESCMID Emerging Infections Subcommittee (EIS) Update on Mpox, 02.09.2024

1. News

- [First-ever delivery of mpox vaccines in Africa outside of clinical trials arrives in Nigeria. UN News \(August 27, 2024\).](#)

This World Health Organization press release announces Nigeria's receipt of 10,000 mpox vaccine doses from the United States, making it the first African country to receive vaccines for the ongoing outbreak. The release details the vaccine distribution plan, highlighting its importance in controlling the spread of mpox in Nigeria and the broader African region. It emphasizes the collaborative efforts between Nigeria, WHO, and international partners to address the outbreak, while also noting the current gaps in vaccine access across Africa.

2. Policy

- [First meeting of the International Health Regulations \(2005\) Emergency Committee regarding the upsurge of mpox 2024 . WHO \(Aug 19, 2024\).](#)

This report details the outcomes of a WHO committee meeting on mpox held 14.08.24. It highlights a significant upsurge in cases in DRC and neighboring countries, with a focus on the emergence and spread of MPXV clade Ib. The report outlines the global epidemiological situation, risk assessments for various regions, and ongoing challenges in controlling the outbreak, such as scientific uncertainties and issues with vaccine availability and access. The committee issued temporary recommendations for affected countries. These include enhancing emergency response coordination, improving surveillance and diagnostics and preparing for vaccine introduction.

- [Mpox global strategic preparedness and response plan \(WHO, August 26, 2024\)](#) emphasises surveillance, research, equitable access to medical countermeasures, and community empowerment. The initial six-month operation will focus on controlling acute outbreaks, with an estimated budget of US\$ 135 million for support to national mpox responses.

3. Selected Research & Publications

- **Rivers C et al. [The Resurgence of Mpox in Africa. JAMA 2024 \(Aug 20, 2024\).](#)**

This article discusses the resurgence of mpox in Africa in 2024, highlighting the outbreak's severity, its spread to new countries, and the urgent need for a coordinated international response, emphasizing the inadequacy of current strategies and calling for immediate action to address the crisis.

- **Branda F et al. [Mpox: An Overview of Pathogenesis, Diagnosis, and Public Health Implications. J. Clin. Med. 2024, 13\(8\), 2234.](#)**

This article offers comprehensive examination of the MPXV and its associated disease. It covers the virus's epidemiology, molecular biology, diagnostic methods, and public health implications. The review is particularly relevant due to its inclusion of insights from the 2022-2023 global outbreak, discussing changes in transmission patterns, affected populations, and clinical presentations. It provides up-to-date information on diagnostic techniques, vaccination strategies, and international collaborative efforts in managing outbreaks

4. Resources

- [2022-24 Mpox \(Monkeypox\) Outbreak: Global Trends \(August 20, 2024\)](#). This site is a comprehensive digital resource for the ongoing mpox outbreak. It offers up-to-date epidemiological data, detailed insights into the genomic variations of the MPXV, and information on public health responses and vaccination strategies. The platform features an interactive dashboard with visual tools such as maps showing case distribution and charts tracking outbreak trends. Users can explore both global and regional data, with focused reports available for specific areas like Africa. This resource is essential for healthcare professionals, researchers, and public health officials who need to stay informed about the evolving mpox situation.

5. Other

- **Reardon S.** [Mpox is spreading rapidly. Here are the questions researchers are racing to answer.](#) **Nature (August 28, 2024).**
This Nature news article examines the current mpox outbreak in Africa, focusing on the emergence of clade 1b, a concerning new strain. It discusses the virus's characteristics, the challenges in combating it, and the global response, highlighting uncertainties about its transmissibility, mortality rate, and vaccine effectiveness. The piece underscores the urgent need for more research and resources to address this evolving public health crisis.
- **Kupferschmidt K.** [Confused about the mpox outbreaks? Here's what's spreading, where, and why.](#) **Science (Aug 24, 2024).**
This Science Insider article provides a comprehensive overview of the complex 2024 mpox situation, clarifying misconceptions about the three concurrent epidemics involving different viral clades, their transmission patterns, and mortality rates, while exploring potential reasons for the disease's resurgence.