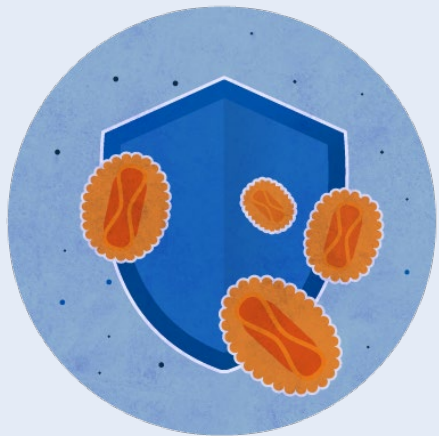


# *Orthopoxvirus* Monkeypox Outbreak Update

Board of Health Meeting

August 11, 2022



**Metro Public Health Dept**

Nashville / Davidson County

Protecting, Improving, and Sustaining Health

# Orthopoxvirus Monkeypox Virus Outbreak

- May 17, 2022 – first case in USA
- July 7 – first case in Davidson County and TN
- As of 8/10/22 cases
  - Globally – 31,800; deaths 10
  - USA – 10,392; deaths 0
  - TN – 62
  - Davidson County – 28(all adults)
- Difference vs. previous outbreaks
  - More prodrome
  - More genital lesions
    - Sexually transmissible



MONKEYPOX

VISUAL EXAMPLES OF  
MONKEYPOX RASH



Photo Credit: NHS England High Consequence Infectious Diseases Network



CS228947-EK

# *Orthopoxvirus* Monkeypox Virus Outbreak

- Prevention
  - Education
  - Vaccine
    - PrEP, PEP, PEP++
    - Jynneos
- Treatment
  - If meet criteria → tecovirimat (TPOXX)
    - Davidson County – 7 received/receiving TPOXX treatment
      - Of which 2 initiated in NDR but residents of other regions
- Other activities
  - Proactive - communication with community partners and schools
  - MPHD social media platforms and website – MPX information
  - Answering more than 100 calls a day

# MPX Vaccine Eligibility

- PEP vs PEP++
  - PEP – Known contact to a probable/confirmed case
    - Elicited through case investigation, contact tracing
  - PEP++ – Presumed contacts
    - Aware that a sexual partner was diagnosed with MPX in the last 14 days (but not a named contact during case investigation)
    - Multiple sexual partners in the last 14 days in a jurisdiction with known MPX, especially men who have sex with men
- \*no formal verification of risk factors is required for PEP++

# MPHD Vaccine Operations

- Received 425 doses (TDH formula of current MPX case count and population size)
- ~20% for PEP
- ~12% for eligible SHC clients already coming to clinic
- ~68% for eligible community members
  - Full time MPX vaccinator located in SHC
  - Appointment-based system
  - 12 appointments per day
  - Fielding and screening over 100 callers per weekday since 8/3
    - Thanks to Notifiable Disease Program staff for stepping up!
- Receiving 800+ doses in coming days
- Will continue to schedule appointments and begin “POD Strategy” (My House, Music City Prep, Matthew Walker, Meharry)
- One dose vs two dose strategy

## Morbidity and Mortality Weekly Report (*MMWR*)

CDC



# Epidemiologic and Clinical Characteristics of Monkeypox Cases — United States, May 17–July 22, 2022

*Early Release / August 5, 2022 / 71*

- 40 states contributed to the report
- One of the authors: Mary Margaret Fill, MD – TN Dept of Health
- CDC Multinational Monkeypox Response Team
  - Sabrina Cook, APN – MPHD
  - Sarakay Johnson, MPH – MPHD
  - Joanna Shaw-KaiKai, MD – MPHD
- [Epidemiologic and Clinical Characteristics of Monkeypox Cases — United States, May 17–July 22, 2022 | MMWR \(cdc.gov\)](#)

**THANKS**  
**Teams**  
**MPHD and TDH!**



***Metro*Public Health Dept**  
Nashville / Davidson County  

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