Chicago: MPV (Monkeypox Virus) Health and Human Relations Committee Briefing

August 8, 2022

Chicago Department of Public Health
Allison Arwady, MD, MPH
Commissioner
Public Health Emergency Declarations

• July 23 – INTERNATIONAL: WHO Director-General declares the ongoing monkeypox virus (MPV) outbreak a Public Health Emergency of International Concern

• August 1 – STATE: Governor Pritzker declares the ongoing monkeypox virus (MPV) outbreak a Public Health Emergency in Illinois

• August 4 – NATIONAL: HHS Secretary Becerra declares the ongoing monkeypox virus (MPV) outbreak a Public Health Emergency in the U.S.
MPV Background: Not a new virus and nothing to do with monkeys! (except first detected in monkeys)

- DNA virus
- Member of orthopox genus (along with the viruses that cause smallpox and cowpox)
- No relation to COVID-19 virus

- Historically: Animal to human transmission (African rodents)
  - Prior to 2022, nearly all MPV cases outside of Africa linked to international travel or imported animals; 0 cases in U.S. most years

- Current outbreak: Human to human transmission

- 1958 First detected in animals
- 1970 First detected in humans
- 2003 US imported animal outbreak
<table>
<thead>
<tr>
<th><strong>HOW IS MPV SPREAD?</strong></th>
<th>Through close contact, including kissing, sex or other skin-to-skin contact with someone who has the MPV virus.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>WHAT ARE THE SYMPTOMS?</strong></td>
<td>A rash or sores may appear anywhere on the body, including genitals. Sores may look like pimples or blisters. Flu-like symptoms, such as fever, chills, headaches or muscle aches, may occur before a rash or sores.</td>
</tr>
<tr>
<td><strong>WHO IS AT RISK?</strong></td>
<td>Anyone can get MPV. But according to early data, gay, bisexual and other men who have sex with men (MSM) have made up a high number of cases.</td>
</tr>
</tbody>
</table>
| **WHAT SHOULD I DO?** | - If you or your sex partners feel sick or have a rash or sores, do not have sex or other close physical contact (such as kissing, cuddling, massaging and touching), and do not kiss or touch each other’s bodies while you are sick.  
- Do not share things like towels, fetish gear, sex toys, and toothbrushes.  
- Wash your hands, fetish gear, sex toys and any fabrics (bedding, towels, clothing) after having sex.  
- Call your health care provider right away if you have symptoms. If you don’t have a doctor or insurance, call the HIV/STI Resource Hub at 1-844-482-4040 - hivhub.org or go to FindaHealthCenter.hrsa.gov to get free or low-cost health care. |

Visual Examples of Monkeypox Rash

Photo Credit: NHS England High Consequence Infectious Disease
WHAT ARE MY MPV RISK FACTORS?

BASED ON WHAT WE KNOW SO FAR.

HIGHEST RISK

- Sexual or intimate contact (even when wearing condoms)
- Direct contact with the infection rash, scabs, or body fluid

SOME RISK

- Kissing / Cuddling
- Dancing at a crowded party inside with non-fully clothed people
- Sharing drinks
- Sharing a bed, towels or personal toiletry items

UNLIKELY

- Dancing at a crowded party outside or inside with fully clothed people
- Coworker-to-Coworker transmission
- Touching a doorknob
- Trying on clothing in a store
- Traveling in an airport or on a plane
- In a swimming pool, hot tub or body of water
- In public restrooms or on public transit
- At a grocery store, coffee shop or a gym (via equipment)

GET THE FACTS ➞ chicago.gov/MPV

CDPH Chicago Department of Public Health
2022 MPV global outbreak: 28,220 Total Confirmed Cases identified in 88 countries

Source: CDC, Data as of 8/5/2022
In the U.S., 7,510 Total Confirmed MPV Cases identified

Chicago’s current case count (as of 8/8): 556

Source: CDC, Data as of 8/8/2022
MPV is across Chicago: Residents of 60 of Chicago’s 77 community areas have been diagnosed with MPV to date as of 8/8/2022.
MPV cases diagnosed in Chicago residents (updates M-F)

<table>
<thead>
<tr>
<th>Cumulative Cases</th>
<th>Cumulative Hospitalizations</th>
<th>Cumulative Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>556</td>
<td>30</td>
<td>0</td>
</tr>
</tbody>
</table>

MPV (Monkeypox) Cases Diagnosed in Chicago Residents, by Week

*Data represented in the gray-colored bar(s) are not yet complete.*

Chicago.gov/monkeypox
Chicago.gov/MPV
### Demographics of Chicagoans diagnosed with MPV

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Count</th>
<th>(%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-17</td>
<td>0</td>
<td>(0%)</td>
</tr>
<tr>
<td>18-24</td>
<td>23</td>
<td>(5%)</td>
</tr>
<tr>
<td>25-34</td>
<td>219</td>
<td>(43%)</td>
</tr>
<tr>
<td>35-44</td>
<td>168</td>
<td>(33%)</td>
</tr>
<tr>
<td>45-54</td>
<td>72</td>
<td>(14%)</td>
</tr>
<tr>
<td>55-64</td>
<td>24</td>
<td>(5%)</td>
</tr>
<tr>
<td>65+</td>
<td>1</td>
<td>(0%)</td>
</tr>
<tr>
<td>Unknown</td>
<td>0</td>
<td>(0%)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Race/Ethnicity</th>
<th>Count</th>
<th>(%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asian, non-Latinx</td>
<td>20</td>
<td>(4%)</td>
</tr>
<tr>
<td>Black, non-Latinx</td>
<td>77</td>
<td>(15%)</td>
</tr>
<tr>
<td>Latinx</td>
<td>148</td>
<td>(29%)</td>
</tr>
<tr>
<td>White, non-Latinx</td>
<td>236</td>
<td>(47%)</td>
</tr>
<tr>
<td>Other, non-Latinx</td>
<td>9</td>
<td>(2%)</td>
</tr>
<tr>
<td>Unknown</td>
<td>17</td>
<td>(3%)</td>
</tr>
</tbody>
</table>

Data from 8/5/2022

Chicago.gov/monkeypox
Chicago.gov/MPV
Data from 8/5/2022
Demographics of Chicagoans diagnosed with MPV

<table>
<thead>
<tr>
<th>Sex</th>
<th>Count</th>
<th>(%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Male</td>
<td>504</td>
<td>(99%)</td>
</tr>
<tr>
<td>Female</td>
<td>3</td>
<td>(1%)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Gender</th>
<th>Count</th>
<th>(%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Man</td>
<td>444</td>
<td>(88%)</td>
</tr>
<tr>
<td>Woman</td>
<td>2</td>
<td>(0%)</td>
</tr>
<tr>
<td>Transgender Man</td>
<td>1</td>
<td>(0%)</td>
</tr>
<tr>
<td>Transgender Woman</td>
<td>2</td>
<td>(0%)</td>
</tr>
<tr>
<td>Other</td>
<td>3</td>
<td>(1%)</td>
</tr>
<tr>
<td>Unknown</td>
<td>55</td>
<td>(11%)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sexual Orientation</th>
<th>Count</th>
<th>(%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gay/Lesbian</td>
<td>344</td>
<td>(68%)</td>
</tr>
<tr>
<td>Bisexual</td>
<td>22</td>
<td>(4%)</td>
</tr>
<tr>
<td>Straight/Heterosexual</td>
<td>6</td>
<td>(1%)</td>
</tr>
<tr>
<td>Other</td>
<td>4</td>
<td>(1%)</td>
</tr>
<tr>
<td>Unknown</td>
<td>131</td>
<td>(26%)</td>
</tr>
</tbody>
</table>

97% of Chicagoans reporting their sexual orientation have been gay or bisexual.

- **Sex** refers to sex assigned at birth
- **Gender** and **sexual orientation** are self-reported at the time of care or during interview with CDPH staff
- Some information about cases may be classified as unknown because the case did not provide it or because the case has not yet been reached for interview.
WHAT IS CHICAGO’S MPV PLAN?

M: Monitor current cases, case investigation and contact tracing

P: Provide resources and education to clinicians, community groups, businesses, and general public

V: Vaccinate those at highest risk

Learn more at chicago.gov/MPV
Widespread MPV TESTING available in Chicago (and nationally). TREATMENT also exists.

- **Testing capacity has ramped up and is now plentiful**
  - Effective diagnostic testing capacity; 80,000 tests can be performed per week nationally
  - Now in public health and commercial labs
  - Swabs of lesions can be collected by any medical provider
  - Please get tested if you have symptoms!

- **Treatment is available**
  - FDA-approved antiviral medication (EU-IND tecovirimat - TPOXX)
  - Higher-risk patients
  - Prescribed through health care providers; still significant paperwork
Good News: **MPV testing** increasing quickly in Chicago

*Data is provisional and subject to change.*

Data source: I-NEDSS - ELR dataset compiled up to 08/04/2022.
Vaccine for MPV: Brand name is JYNNEOS

- Vaccine was fully FDA approved *prior* to current outbreak
- Limited supply as traditionally limited need
  - *Not* routinely in pharmacies or doctor’s offices; only available in U.S. from federal government’s stockpile
  - Bavarian Nordic (Denmark) is sole manufacturer
- Approved for preventing smallpox and monkeypox in *adults 18+ at high risk of infection*
  - Special paperwork can be done by providers if children need vaccine
  - Safer than older smallpox vaccine
- Two doses, administered *at least 28 days apart*
  - Given limited vaccine supply, Chicago continues to prioritize more high-risk individuals getting FIRST doses (even if it delays vaccine second dose), in line with other countries/cities
    - Biggest increase in protection is after the first dose; delays in receiving the second dose do not affect the second dose immune response
    - Second doses will still be offered to immunocompromised individuals and to known contacts of MPV cases; a second dose will be offered to others when vaccine supply improves
Good news: **MPV vaccine supply increasing**, though demand still far outstrips supply.

- **June 3-July 22:** Chicago received a total of about 5,000 vaccine doses from the federal government; all distributed.
- **July 23-24:** About 15,000 additional doses arrived from the federal government; all distributed.
  - 96% of all MPV vaccines administered in Illinois to date have been administered by Chicago-based providers.
- **August 3:** About 13,000 additional doses arrived from the federal government; distributing quickly.
  - More than 2,000 vaccines given over last two days alone (Sat-Sun).
- Preliminarily expected over the next few weeks: About 20,000 additional doses from the federal government.
  - Plans to further scale up Chicago vaccination efforts as supply increases.
- U.S. has placed orders for millions more vaccine doses (internationally), but likely a few months from deployment.
- State has also redirected some of its federal vaccine supply to Chicago since epicenter of outbreak is here.

*Data is provisional and subject to change. Data source: I-NEDSS - ELR dataset compiled up to 08/03/2022.*
Ring Vaccination Strategy and Goal: Vaccinate All Contacts of Cases
YOU ARE ELIGIBLE FOR A MPV VACCINE IF YOU:

1. Had close physical contact with someone or an intimate partner who was diagnosed with MPV.

OR

2. Are a gay, bisexual or other (cis or trans) man who has sex with men. AND Has intimate or sexual contact with other men in a social or sexual venue.

OR

Has given or received money or other goods or services in exchange for sex.

OR

Has intimate or sexual contact with multiple or anonymous partners.

NO RESTRICTIONS

Estimate 120,000 men who have sex with men in Cook County
At this time, MPV vaccine is NOT recommended for the general public, including same gender loving men, without other risk factors. As vaccine supply increases, guidance may evolve.

FOR MORE INFO, VISIT
CHI.GOV/MONKEYPOX
MPV testing should now be available through ANY doctor’s office or clinic across Chicago.

Nearly 50 clinical sites across Chicago have diagnosed at least one MPV case.

MPV clinical vaccine providers are also across Chicago and partnering with outreach organizations. Information at chicago.gov/monkeypox.

Includes CDPH-operated STI clinics in Roseland, Austin, and Lakeview.
Many mobile and LGBTQ+ focused vaccination events and locations

- Alfresco Event w/ PRCC
- CALOR
- Center on Halsted-South & North
- Jackson Park
- Life is Work
- Pride South
- Silver Room Block Party
- SWOP- Sex Workers Outreach Project-Chicago
- Taskforce
- The Promontory
- TPAN
- Vogue University

- Bassline Event
- Cell Block
- Chicago Coalition of Kink Clubs
- Fantasy Event
- Hydrate
- Jefferey Pub
- Onyx (Club Escape)
- Steamworks
- Touche’
Example: Market Days Planning

• Ongoing webinars, partner/advocate calls, clinician calls, business calls

• Physical assets distributed to participating businesses and agencies in advance of Market Days
  • 10,000 palm cards (5,000 Spanish and 5,000 English)
  • 1,000 posters (500 Spanish and 500 English)

• CDPH Health Corps members stood at each entrance of Market Days to provide education and answer MPV (and other health) questions
  • On-site vax providers used vaccine “tickets” (while supply lasted)
  • For all: palm cards with information about how to sign up for a vaccine appointment in Chicago this week

• Banners at gates to encourage self awareness and screening before entry, as well as behavioral changes.

• PSA on Market Days and MPV from national comedian Matteo Lane
  • Playing in bars and restaurants with MPV messaging throughout event

• MANY unrelated vaccination locations and events over weekend
MPV cases and MPV vaccination by resident address

Chicago MPV Cases
Data as of August 1, 2022

Number of cases
- 0 (23)
- 1 (19)
- 2 - 5 (20)
- 6 - 20 (12)
- 21 - 50 (6)
- 51 - 100 (3)

Number in parentheses is the number of community areas in each category

Chicago MPV Vaccine Coverage
Data as of August 1, 2022

Number of residents who have received a 1st dose of MPV vaccine
- 0 - 5 (19)
- 6 - 10 (20)
- 11 - 50 (18)
- 51 - 100 (10)
- 101 - 250 (5)
- 251 - 500 (2)
- 501 - 1600 (3)
Good match on sex of MPV cases and Chicagoans vaccinated:
Nearly 100% of cases and 96% of MPV vaccines have been in male Chicagoans

Sex of Chicago MPV Cases (%)
- Male: 99.8%
- Female: 0.2%
- Other: 0.2%
- Unknown: 0.2%

Sex of Chicagoans vaccinated against MPV (%)
- Male: 96.1%
- Female: 2.8%
- Other: 1.0%
- Unknown: 0.1%

Data reported as of 8/1/2022.
Demographic information is captured differently between cases and those vaccinated in.
Good match on age range of MPV cases and Chicagoans vaccinated:
77% of MPV cases and 73% of MPV vaccines have been in Chicagoans aged 25–44

Data reported as of 8/1/2022. Demographic information is captured differently between cases and those vaccinated in I-CARE. Interpret comparisons with caution.
Continued focus on increasing testing and vaccination among Latinx and Black Chicagoans at increased risk:

While 29% of MPV cases have been in Latinx Chicagoans, as of August 1st, 14% of vaccines to date had gone to Latinx Chicagoans.

Data reported as of 8/1/2022. Demographic information is captured differently between cases and those vaccinated in I CARE. Interpret comparisons with caution.
GET THE FACTS ON MONKEYPOX, STIs, HIV, & STAY HEALTHY.

Scan the QR code for health tips!

chicago.gov/STI-HIV
HIVhub.org • 844.482.4040
findahealthcenter.hrsa.gov

CDPH Call Center • 312.746.4835
HIV/STI Resource Hub (LGBTQ+ call center) • 844.482.4040 • hivhub.org

MPV vaccine is available to residents of Chicago or Illinois who are gay or bisexual men and transgender persons 18 years of age and older who:

- Have had multiple or anonymous sex partners, or sex at a social or sexual venue, or sex in exchange for money or goods.
- Have not previously been infected with MPV.
I THINK I HAVE MONKEYPOX. WHAT SHOULD I DO?

**ISOLATE**
- Separate from others
- Skip gatherings and nights out
- Don't share your personal items

**CALL YOUR DOCTOR**
- Remind your doctor that MPV is in the community

**GET TESTED**
- Let your healthcare provider know you are experiencing symptoms of MPV and ask for a test

**MPV SYMPTOMS**
- Rash or Sores
- Headache
- Fever
- Chills
- Muscle Aches
- Swollen Lymph Nodes

For more information, please visit chicago.gov/monkeypox
Q: What is the risk of being exposed at the grocery store, busy coffee shop, CTA train or bus?

A: Monkeypox is NOT spread through casual conversations or walking by someone with monkeypox like in a grocery store. MPV is not as contagious as influenza, or COVID-19. You do not become infected by being around infected persons unless you have prolonged close contact or share bedding or clothing with someone who has MPV.

GET THE FACTS

CDPH Chicago Department of Public Health

LEARN MORE AT chicago.gov/MPV
Have questions about Monkeypox?

Visit CHICAGO.GOV/MONKEYPOX

or call 312-746-4835

HIV/STI Resource Hub: 844-482-4040

Follow CDPH on social media for up-to-date vaccine appointment availability and registration!
Thank you!

Questions?

Chicago.gov/Health
@ChicagoPublicHealth

HealthyChicago@cityofchicago.org
@ChiPublicHealth