

## Monkeypox virus (MPV) Guidance for Clinicians and Healthcare Systems: Vaccines

Last updated: 8/9/22

### Important Points:

- Those who have been exposed or meet priority criteria can get vaccinated.
- Timing matters: exposed patients should ideally get a vaccine within 4 days.
- JYNNEOS is a two-dose vaccine, but due to limited vaccine supply only first doses are being given right now.
- If you have a patient who meets eligibility criteria and would like to be vaccinated, have them call WCHD at 734-544-6700.

### Vaccine - General Information

- JYNNEOS is licensed by the FDA for individuals 18 years and older to prevent smallpox and monkeypox virus (MPV) infection. This vaccine contains a live *Vaccinia virus* that is not replication competent.
- The JYNNEOS vaccine is given in a two-dose series, administered as two subcutaneous injections 28 days apart. Patients are considered fully vaccinated two-weeks after administration of the second dose
- This vaccine is considered safe and has limited side effects, which are typically contained to injection site reactions. Some patients may experience fatigue, headache, and muscle aches after injection as well.
- There is no data on the effectiveness of JYNNEOS in the current MPV outbreak, but clinical trials have shown that JYNNEOS is capable of mounting a similar immune response to similar approved vaccines (i.e. ACAM2000).

### Vaccine Strategy

- Vaccines are currently being distributed from the Strategic National Stockpile and being manufactured to increase national capacity for vaccination.
- Vaccines are being distributed to the states, and then reallocated to local health departments based on factors such as geographic location, population, and case numbers.
- In Michigan, there are 8 vaccine “hubs” that are responsible for redistributing vaccines as needed to adjacent counties. Washtenaw County is one of these vaccine hubs.
- At this time, there is limited availability of vaccines. As such, in accordance with state guidance, the Washtenaw County Health Department (WCHD) is offering one dose of the



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JYNNEOS vaccination to individuals who fall into one of two categories; post-exposure prophylaxis (PEP) and expanded post-exposure prophylaxis patients (PEP++).

- PEP refers to vaccinating individuals with known exposures to MPV in the last 14 days
- PEP++ refers to vaccinating individuals with increased likelihood of MPV exposure.
- The one-dose protocol has been adopted in order to vaccinate as many individuals as possible who may have had a recent MPV exposure to prevent further transmission of MPV. Second doses will be made available when supply increases (stay tuned for updates).
- At this time, we are unable to do pre-exposure prophylaxis (PreP) given the shortage of vaccines. However, the PEP++ model is intended to cover as many individuals as possible within the capacity of our current vaccine availability.

**Current Eligibility Criteria for MPV Vaccination (as of 8/9/22)**

Patients who are Washtenaw County residents 18 years or older and who meet **any** of the following criteria are eligible for vaccination and should be referred to the Washtenaw County Health Department.

1. Patient has a known exposure to monkeypox in the last 14 days.
2. Patient is a man, or a trans or nonbinary person, who has sex with men **and** in the last 14 days has participated in one of the following activities in an area with known monkeypox transmission (including Washtenaw County):
  - Patient has intimate or sexual contact with multiple or anonymous partners, **or**
  - Patient has intimate or sexual contact with other men in a social or sexual venues, **or**
  - Patient has given or received money or other goods or services in exchange for sex
3. Patient had intimate or sexual contact with other individuals at an event in the last 14 days and was informed later there were cases on monkeypox at that event.

Patients who do not meet these criteria are not currently eligible for vaccination. This may change as vaccine availability increases and more information about this outbreak becomes available.

**Vaccination Timing**

- Vaccines should be given to patients who meet the above criteria ideally within the first 4 days after known or possible exposure.
- Vaccination is possible up to 14 days past the time of exposure. Vaccines given between days 4-14 after exposure may reduce disease severity but may not be effective at preventing disease.
- Patients cannot be vaccinated once symptoms begin.

**How To Get The Vaccine**

- If you have a patient who meets criteria and would like to be vaccinated, you can send them to the WCHD.



Washtenaw County Health Department

- To make an appointment, call the Health Department at 734-544-6700. Leave a message if needed and our staff will return the call as soon as possible.
- If your office/healthcare practice is interested in providing the vaccine for your patients, WCHD may be able to provide you with a small amount of vaccines if you meet the following criteria:
  - Must be COVID vaccine prescriber to be eligible
    - If interested, fill out [this form](#), and email it to [biologics@washtenaw.org](mailto:biologics@washtenaw.org)

**Additional Resources**

- [Monkeypox Vaccine | Washtenaw County, MI](#)
- [Monkeypox Information for Providers | Washtenaw County, MI](#)
- [Considerations for Monkeypox Vaccination | Monkeypox | Poxvirus | CDC](#)