

Brief Report on MonkeyPox ... 13 Aug 2022

Thomas Britt, MD, MPH, ACSM-CEP

American Association of Public Health Physicians

- **The World Health Organization (WHO) declared that MonkeyPox is a *Global Health Emergency* ... 23 July 2022**
- **The United States declared that MonkeyPox is a Public Health Emergency ... 4 Aug 2022**
- **5 Key Points to know about this emerging epidemic**
 - Caused by a smallpox-like virus
 - Pustules occur all over the body
 - Diagnosis requires PCR tests
 - Spreads between people via *close contact*
 - Currently there is no cure
- **MonkeyPox is a viral *Zoonotic* disease that primarily occurs in tropical rainforest areas of central and western Africa.**
 - *Zoonotic or Zoonosis* are diseases of animals (i.e., monkeys, squirrels, hedgehogs, ant-eaters, and prairie dogs) that are communicable or transmissible to humans. This is not a new communicable disease ... *in fact, the first case was identified in 1970.*
 - Other examples of Zoonotic diseases are CoViD-19, Avian Flu, Ebola, & Salmonellosis
- **Transmission, Morbidity and Mortality**
 - This disease is concentrated and spread in people, ***not casually***, but in infected people with ***close skin-to-skin contact***
 - 90% of cases are in Men having sex with Men (MSM)
 - Evidence of airborne or respiratory spread is quite limited
 - **Signs and Symptoms**

The rash may resemble a pimple or blister, found on the hands, feet, chest, face, mouth and genitalia. They may be painful or itchy, and usually go through several stages before healing. The rash usually precedes the following signs and symptoms:

 - Fever and chills ... fever may precede the rash by 1-3 days
 - Swollen lymph nodes
 - Exhaustion
 - Headaches, muscle and backaches
 - **MonkeyPox is self-limiting with a case fatality ratio of 3-6%**; typically last 2-4 weeks
 - **Isolate** for 4 weeks and lesions have resolved after being diagnosed with MonkeyPox
 - Currently vaccines and antiviral treatments are available for disease prevention and limiting its associated morbidity ... To access, contact your primary care physician
 - **MonkeyPox Testing, Treatment and Outreach** to vulnerable populations are key to addressing this emerging epidemic ... however success is dependent on doing so *without stigmatizing the patient(s)*, that are so often associated with emerging epidemics.
 - **22 May 2022** ... Multiple confirmed cases were identified in several non-endemic countries. It should be noted that the U.S. leads in global MonkeyPox cases. Please recall *that the U.S. also led the world in CoViD-19 cases and deaths, e.g., the U.S. is 4-5% of the global population, however nearly 16% of global cases and deaths*
 - **18 May 2022** ... First case in the U.S.
 - **Select States with Confirmed MonkeyPox Cases ... (Source ... CDC, 9 Aug 22):**

Total Confirmed U.S. Cases ... 9492

NY ... 2104	IL ... 701
CA ... 1310	DC ... 318
FL ... 976	WA ... 210
GA ... 749	MI ... 73
TX ... 748	AR ... 12