Scott Lindquist, MD, MPH State Medical Epidemiologist Washington State Department of Health  Northwest Center FOR PUBLIC HEALTH PRACTICE  The Northwest Center for Public Health Practice acknowledges the land we occupy today as the traditional home of the Tulalip, Muckleshoot, Duwamish and Suquamish tribal nations.  Without them we would not have access to this working, teaching and learning environment. We humbly take the opportunity to thank the original caretakers of this land who are still here.	The Northwest Center for Public Health Practice acknowledges the land we occupy today as the traditional home of the Tulalip, Muckleshoot, Duwamish and Suquamish tribal nations.  Without them we would not have access to this working, teaching and learning environment. We humbly take the opportunity to thank the	The Northwest Center for Public Health Practice acknowledges the land we occupy today as the traditional home of the Tulalip, Muckleshoot, Duwamish and Suquamish tribal nations.  Without them we would not have access to this working, teaching and learning environment. We humbly take the opportunity to thank the		Understanding Monkeypox and the Risk of Zoonotic Threats
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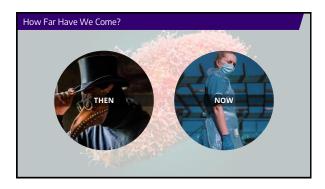
**Question for the Viewers** 

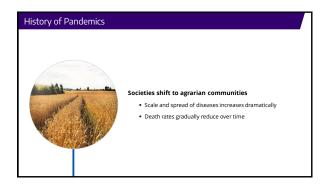
Describe your level of knowledge or experience
with the current outbreak of monkeypox:

A. A lot
B. Some
C. Little
D. None







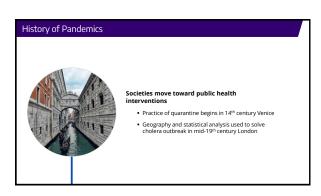


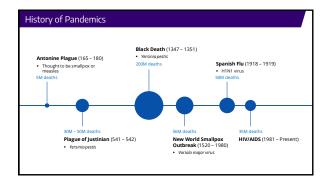


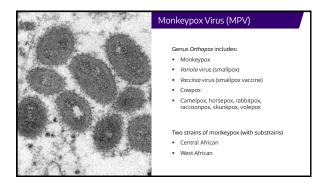


# Widespread trade networks emerge New opportunities for human and animal interactions speed up epidemics (malaria, tuberculosis, leprosy, influenza, smallpox) Larger cities and new trade routes accelerate likelihood of pandemics













#### $Monkey pox\, Transmission$

- Contact with lesions, lesion fluid, scabs, sexual fluids, saliva
- Entry through skin, mucous membrane (eye, genitals)
- Transmission through fomites dried scabs (e.g., bedding, clothing)
- Respiratory droplets if prolonged face-to-face contact (in theory)
- Transmission occurred in healthcare settings including through bedding

# Monkeypox Clinical

- Usual incubation: 7 14 days (range 5 21)
- Common early symptoms:
  - Fever, chills, headache, muscle aches, sore throat, cough, backache, swollen lymph nodes, exhaustion
- Rash: 1 3 days later, progresses
  - Macule (flat, red) to papule (raised) to vesicle (fluid) to pustule (pus) to scab (may scar)
  - Often starts on face, can be limited to anus/genitals
- Total duration: 2 4 weeks (contagious)
- Case fatality varies with strain, age, secondary infections

# Identifying Monkeypox Rash

- Vesicles and pustules with well-circumscribed border
- Deep, may be dent in middle; often painful
  - Rash may start in mouth
  - May be on palms, soles
  - Any part of the body has lesions at the same stage usually but not always
  - Lesions can be only in genital area





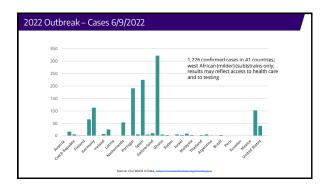














2022 Monkeypox Virus in Washington State  Morkeypor uninfluor data in quistri when new Unincutor bloads a crue kneed into bod data spress, such as legislar influencia, many in salessi, or last beginned and control from the Control Monte (in Control Monte).				
Samey	Demographics	Mechallers	Date Definitions and Methods	
State Summary	633 TOTAL CASES	18 TOTAL HOSPITALIZATIONS	0 TOTAL DEATHS	
Map View Table View TOTAL CASES	TOTAL WEEKLY C	ASE COUNTS		
	1		H	
Character 1			Hara	



# Monkeypox Therapeutics

- Vaccination to prevent
- Two antiviral agents theoretically active against the virus
  - Limited experience
  - Side effects
- Consider treatment for person:
  - With severe disease or complications
  - At high risk for severe disease (immunocompromised)
     Aged <8 years</li>

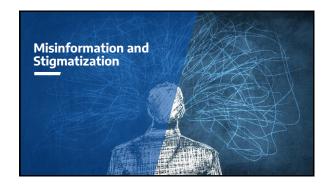
  - Pregnant or breastfeeding

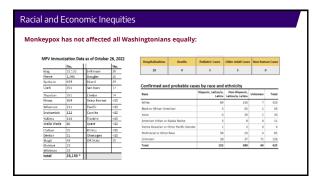
#### **Question for the Viewers**

How would you assess the following statement? "In my organization, we feel adequately prepared to respond to the next zoonotic disease outbreak."

> A. Agree B. Disagree

C. I'm not sure













# Key Takeaways and Messaging for MPV

- Anyone who has close contact with a person with symptoms of MPV and/or an MPV-like rash can get MPV and be infected.
- While MPV is disproportionately impacting the LGBTQ+ community right now, anyone can get it, regardless of sexual orientation or gender identity.
- Show compassion and support for individuals and communities most closely impacted and anyone who might be sick.
- $\checkmark \ \ \, \text{As the outbreak wanes, the next public health focus is } \, \textbf{preventing additional cases}. \\$
- People at high risk of infection or who have had a recent close contact with someone
  who had a rash that looks like MPV, or someone who was diagnosed with MPV, should
  talk with a health care provider about getting vaccinated.
- Those who received their first dose need to come back for their second dose so that
  they have more durable protection against MPV.

# What Is My Biggest Concern?

- A novel infectious disease

  - Low community immunity
     Little clinical experience with this agent
- Media hype Respiratory spread
- High R<sub>o</sub>
- Limited diagnostic capability
   No vaccine available
- No treatment beyond supportive care



#### A Chat with Scott Lindquist







Scott Lindquist

QUESTIONS?
We will be the
MANAGE AND A KANN
To ask a question, please click the QAA icon in the Zoom toolbar to open your Q&A Pod.

Resources
Monkeypox Washington State Department of Health https://doi.via.gov/jou-and-you-family/filness-and-disease-z/monkeypox
Monkeypox (MPV) Data Washington State Department of Health https://doi.www.ag.w/you-and-your-family/illness-and-disease-z/monkeypox/monkeypox-mpv-data
Monkeypox is recapitulating the stigma and structural inequity of HIV, Ebola, and other diseases STAT News article by Vinay Kampalath https://www.statnews.com/2020/66/5/monkeypox-recapitulating-stigma-structural-inequity-of-hiv-ebola-other-diseases/
Reducing Stigma in Monkeypox Communication and Community Engagement Centers for Disease Control and Prevention https://www.cd.gov/pox/on/com/onkeypox/resources/reducing-stigma.html
Toolkits for Community, Work, and School Centers for Disease Control and Prevention https://www.cdc.gov/poor/unitom/nickyposi/resources/reducing-stigma.html
A guide to preventing and addressing social stigma associated with COVID-19  World Health Organization https://www.who.int/publications/m/ftem/a-guide-to-preventing-and-addressing-social-stigma-associated-with-covid-19