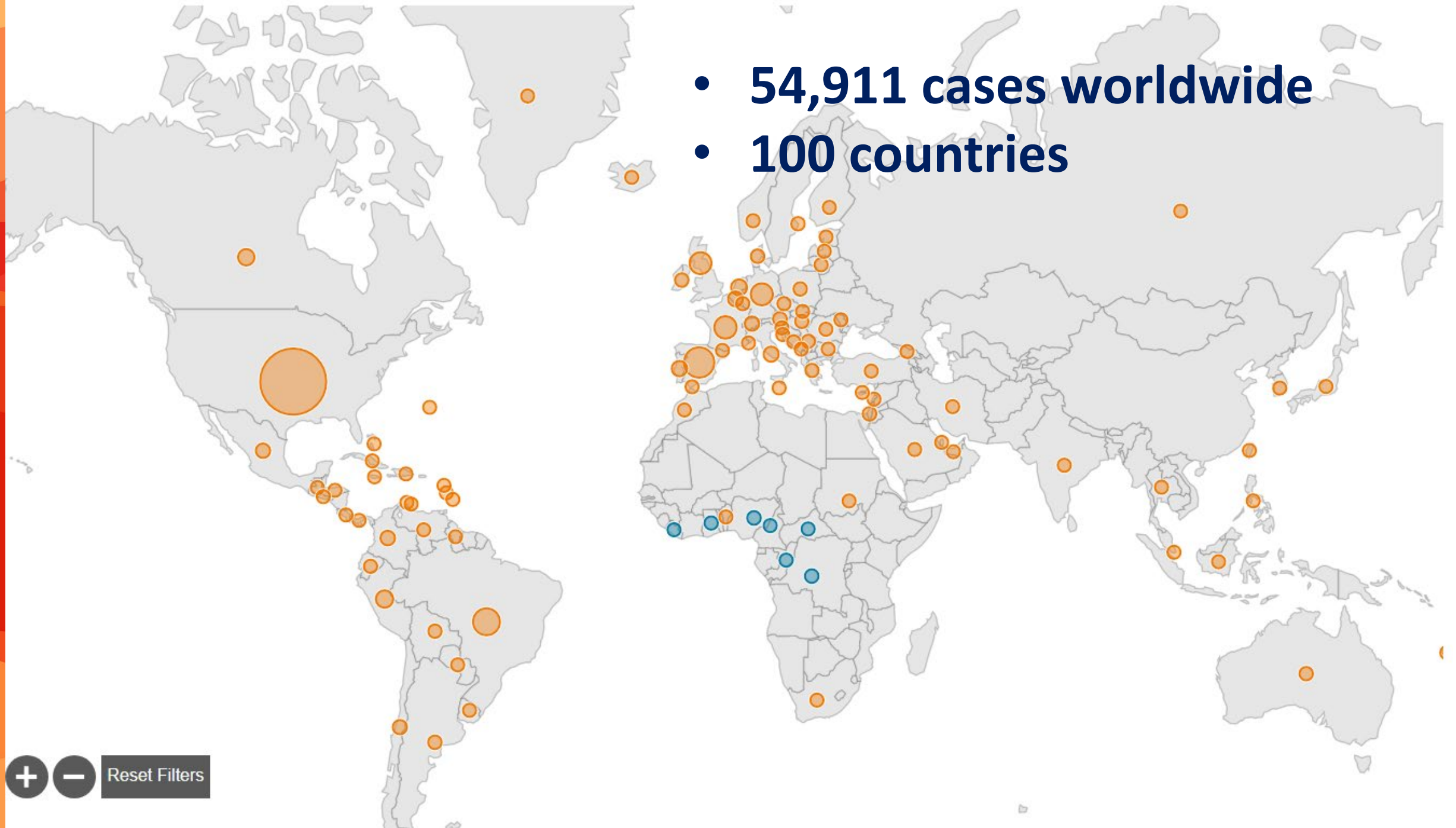


Demystifying Monkeypox – Experience Across Continents and Implications for an Effective Global Response

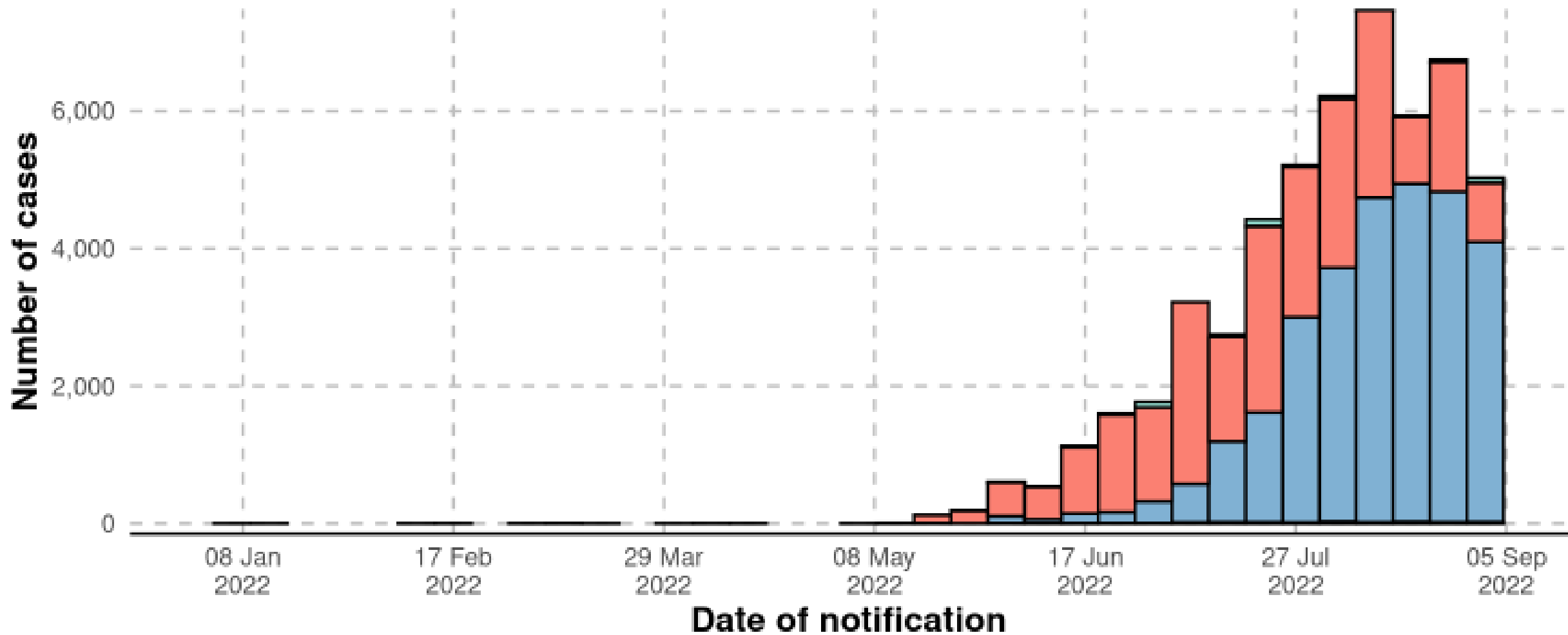
Dr. Prachi Ranade, MD
September 8, 2022



- **54,911 cases worldwide**
- **100 countries**



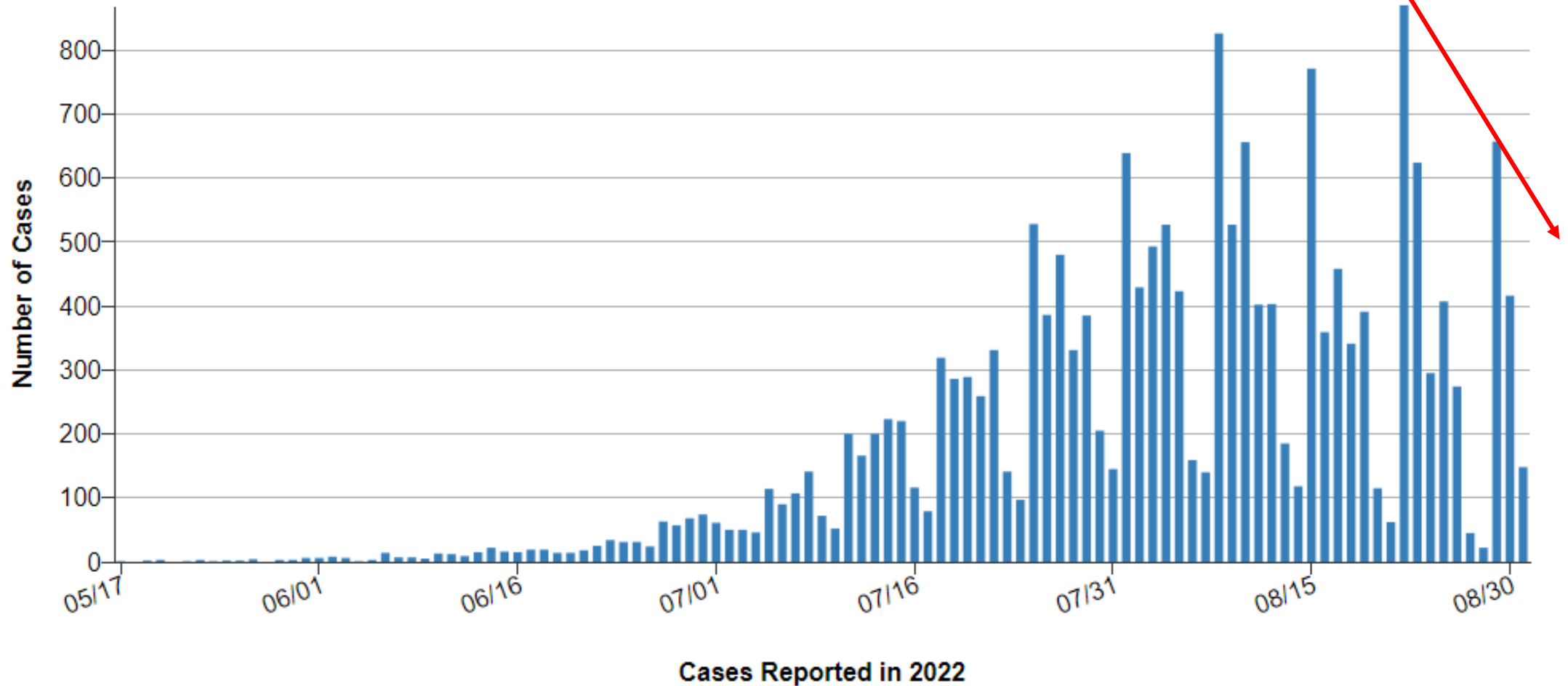
data as of 04 Sep 2022 17:00 CEST



- African Region
- Eastern Mediterranean Region
- European Region
- Region of the Americas
- South-East Asia Region
- Western Pacific Region

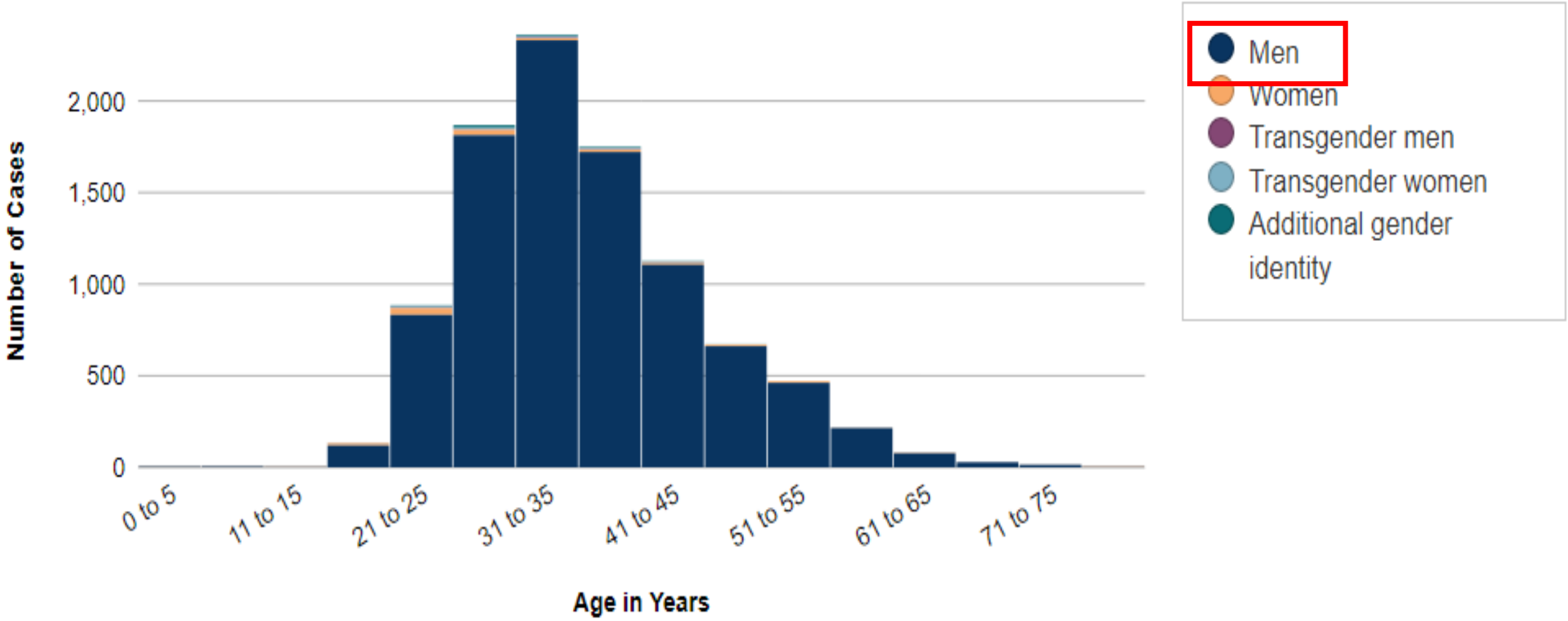
Source: WHO

U.S. Monkeypox Case Trends Reported to CDC



- 20,733 cases with 0 deaths
- 52 states & territories

Monkeypox cases reported to CDC: Age and Gender



Monkeypox Vaccination

When properly administered, vaccines can be effective tools at protecting people against monkeypox illness or reducing the severity of illness.

One vaccine licensed by the U.S. Food and Drug Administration (FDA) is available for preventing monkeypox infection – JYNNEOS (also known as Imvamune or Imvanex in other countries)

Vaccination Criteria

- People who have been in [close physical contact](#) with someone diagnosed with monkeypox in the last 14 days (PEP)
- Men who have sex with men, or transgender individuals, who report any of the following in the last 90 days:
 - Having multiple or anonymous sex partners
 - Being diagnosed with a sexually transmitted infection
 - Receiving HIV pre-exposure prophylaxis (PrEP)

Monkeypox Treatment - Vaccines

U.S. national Monkeypox vaccine strategy – June 28

July 15 - +2.5 millions vials

August 9 – EUA to use smaller dose in forearm

- JYNNEOS
- ACAM2000



Who Should Get Vaccinated?

In the current outbreak, you may want to get vaccinated if:

- You have been identified as a **close contact** of someone with monkeypox.
- You learn that one of your **sex partners** in the **past 2 weeks** has been diagnosed with monkeypox.

In addition, you may want to get vaccinated if you are a man who has sex with other men or are a transgender or gender-diverse person who has sex with men and in the past 2 weeks:

- You have had sex with **multiple partners** or group sex.
- You have had sex at a commercial sex venue (like a sex club or bathhouse).
- You have had sex at an event, venue, or in an area where monkeypox transmission is occurring.

Monkeypox Vaccines

Pre-exposure JYNNEOS Vaccine

- 2 doses, 28 days apart
- Protected 14 days after your second dose

Pre-exposure ACAM 2000 Vaccine

- Live virus vaccine that can spread to others
- Single dose
- Protected 28 days after getting single dose

Monkeypox Treatment

No treatments specifically for monkeypox virus infections.

Recovery takes 2-4 weeks without any medical treatment

Tecovirimat (TPOXX) – recommended for people likely to get severely ill such as:

- weakened immune systems

- young children < 8

Cidofovir, Brincidofovir

Post-exposure Vaccine – within 4 days from date of exposure and before symptom onset

Thank you