

Community Access National Network Monkeypox (MPV) Monitoring Project

– Report No. 5 | MPV Response Project for People Living with HIV –



MARCH 15, 2023

Community Access National Network Monkeypox (MPV) Monitoring Project

– Report No. 5 | MPV Response Project for People Living with HIV –

Introduction: The Community Access National Network (CANN), with support from Gilead Sciences via its [Monkeypox Global Emergency Fund](#), presented periodic reports regarding the 2022 Monkeypox (MPV) outbreak in the United States, as part of its [MPV Response Project for People Living with HIV](#). The reporting period included data between May 9, 2022 and February 15, 2023. *Editor’s Note: For consistency, CANN maintained the usage of the “MPV” designation throughout the project, despite the designation being updated to “MPOX” by the World Health Organization on November 28, 2022.*

Each report maintained a national epidemiological report (Section 1), national vaccine equity report (Section 2), patient resource and informational list by jurisdiction (Section 3), review of available data regarding the intersection of HIV and MPV (co-infection, Section 4), and current news (Section 5). Reports, after the first report, included an additional section dedicated to state-level surveillance highlight (Section 6), which highlighted the states providing robust, public-facing situation reporting. Such reporting is critically important for communities, patients, and providers to assess individualized risk and prevention efforts.

SECTION 1: Epidemiological Report

The U.S. Centers for Disease Control & Prevention (CDC) has been tracking the MPV outbreak in the United States since May 17, 2022. As of February 15, 2023, there have been a total of 30,193 identified MPV diagnoses, with the highest number of weekly diagnoses being in Week 32 (August 1, 2022 – August 7, 2022), with a weekly total of 3,169 diagnoses (CDC, 2022b)

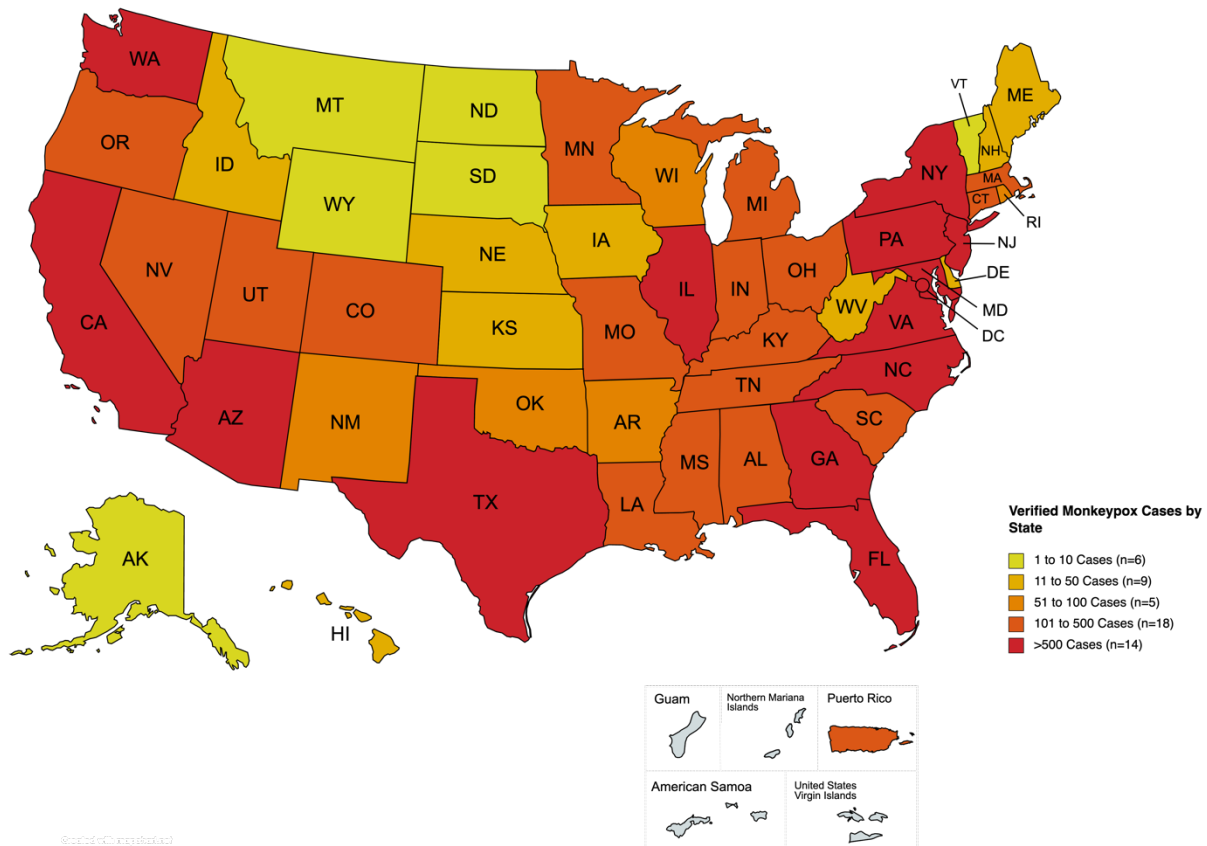


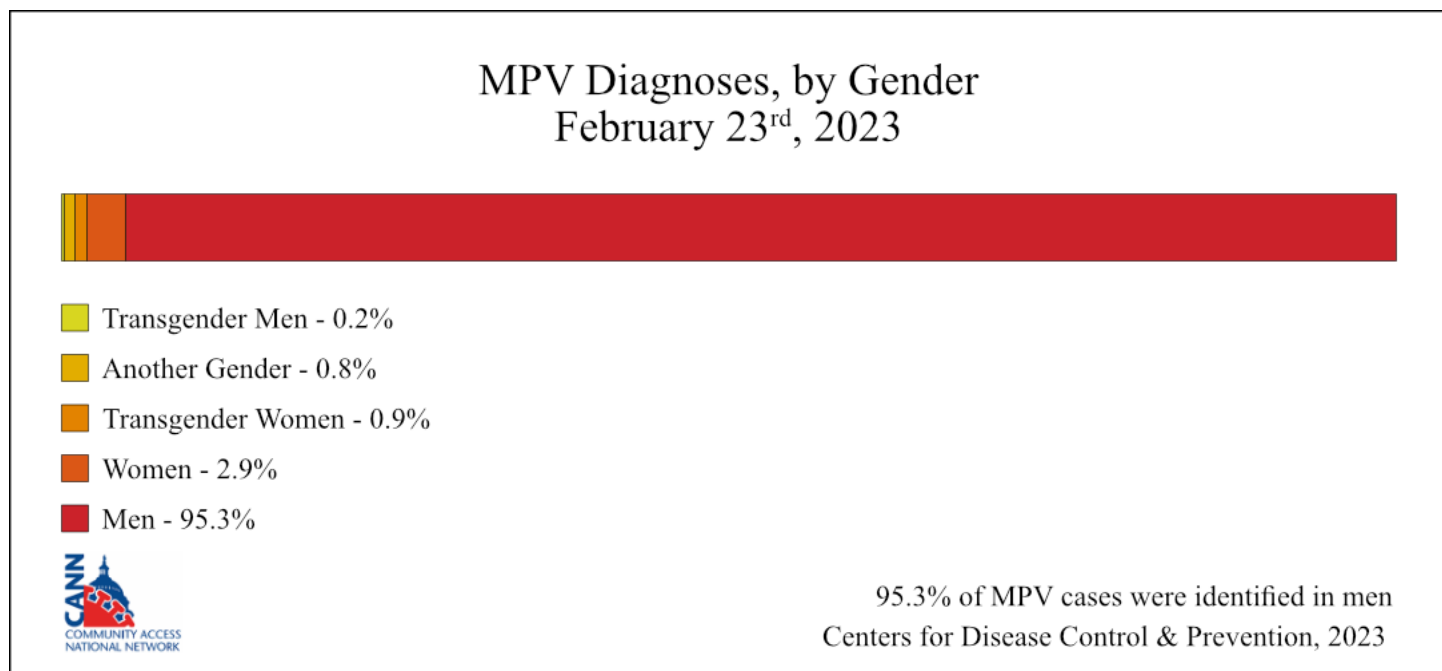
Figure 1 – MPV Incidence by State, February 15th, 2023 (Source: CDC, 2022b)

Community Access National Network Monkeypox (MPV) Monitoring Project

– Report No. 5 | MPV Response Project for People Living with HIV –

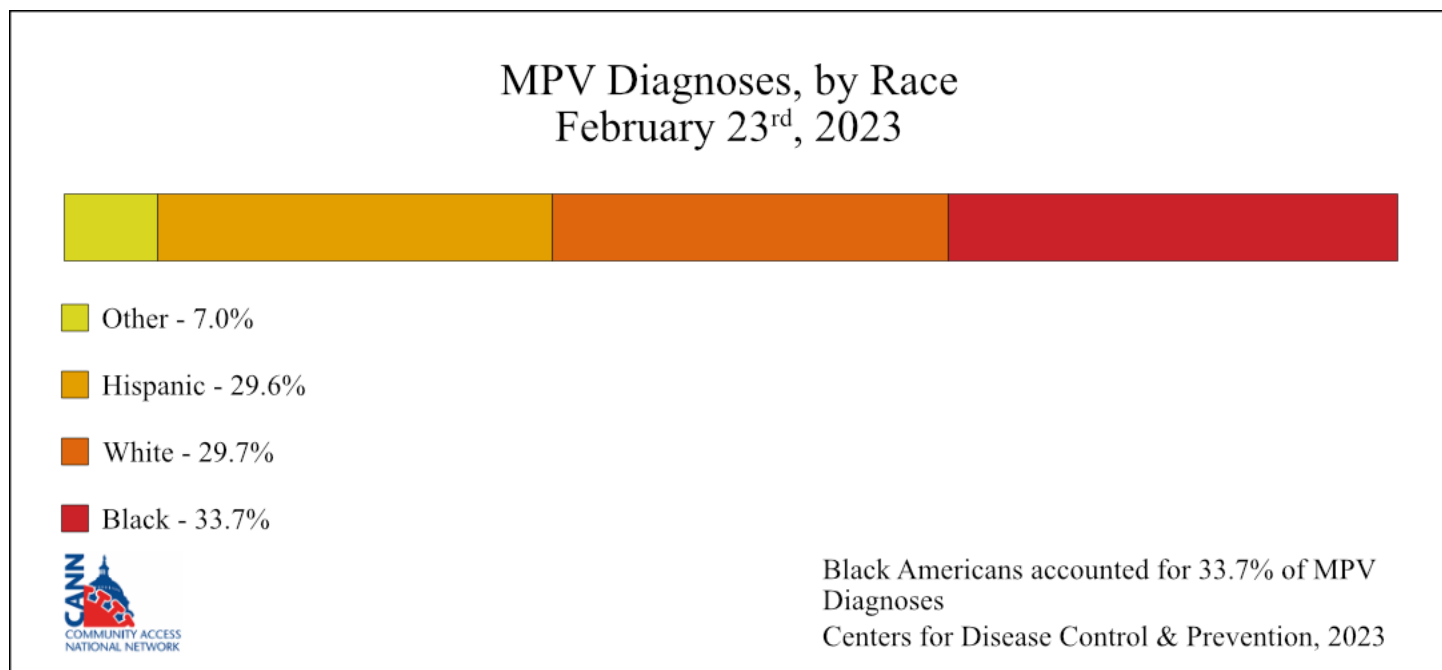
MPV Diagnoses by Gender, February 28, 2023

Men represented 95.3% of the MPV diagnosis. Women accounted for only 2.9% of MPV diagnoses.



MPV Diagnoses by Race, February 28, 2023

Black Americans accounted for 33.7% of the MPV diagnoses.



Community Access National Network Monkeypox (MPV) Monitoring Project

– Report No. 5 | MPV Response Project for People Living with HIV –

SECTION 2: Vaccine Equity Report

Total Vaccine Vials Made Available: **1,183,813**

Total Vaccine Vials Requested: **857,493**

Total Vaccine Supply Shipped: 857,393

First Doses Administered: **738,792**

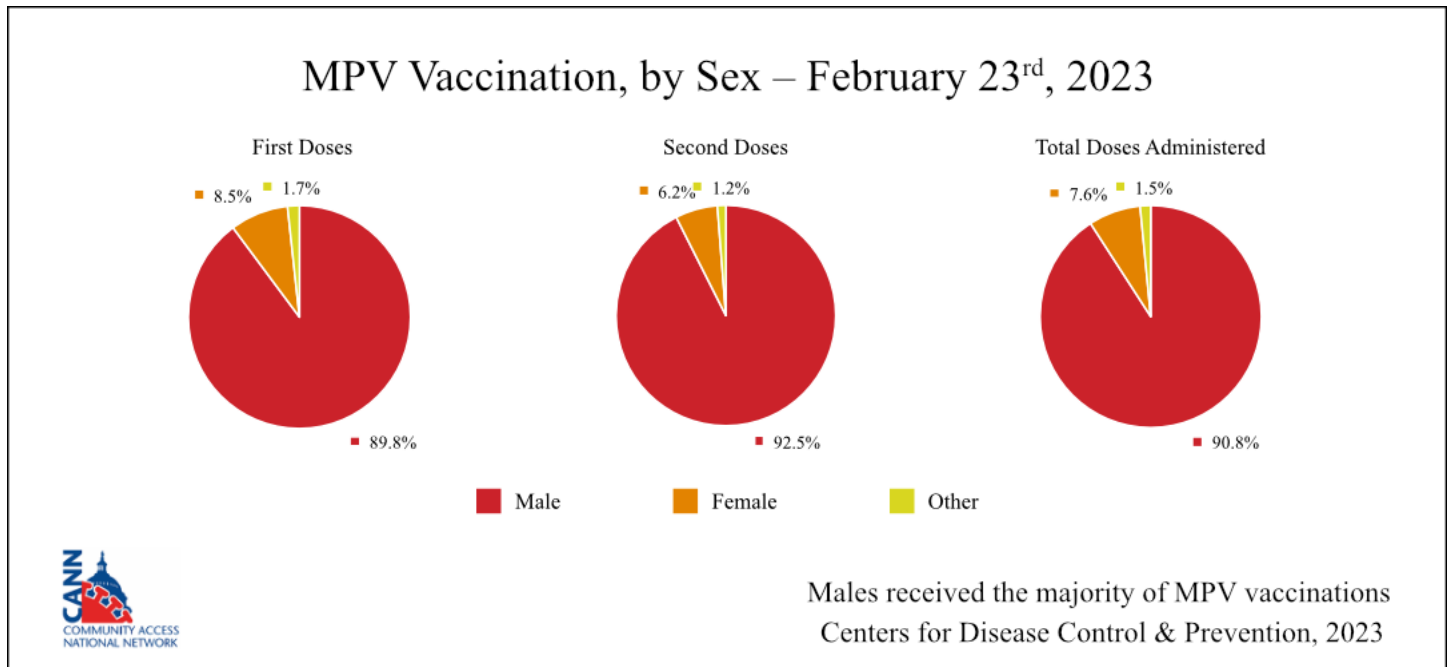
Second Doses Administered: **457,255**

Total Doses Administered: **1,196,047**

The JYNNEOS vaccine is administered to prevent or reduce the spread of smallpox and MPV. The majority of MPV vaccines in the United States were administered to male patients (by sex), who received 90.8% of all doses administered, to white patients, who received 47.9% of all doses administered, to persons aged 25-39, who received 45% of doses administered. Black and Hispanic patients combined, who accounted for the majority of MPV diagnoses, received just 31.4% of all doses administered.

MPV Diagnoses by Sex, February 28, 2023

Male patients received the majority of MPV vaccine doses.

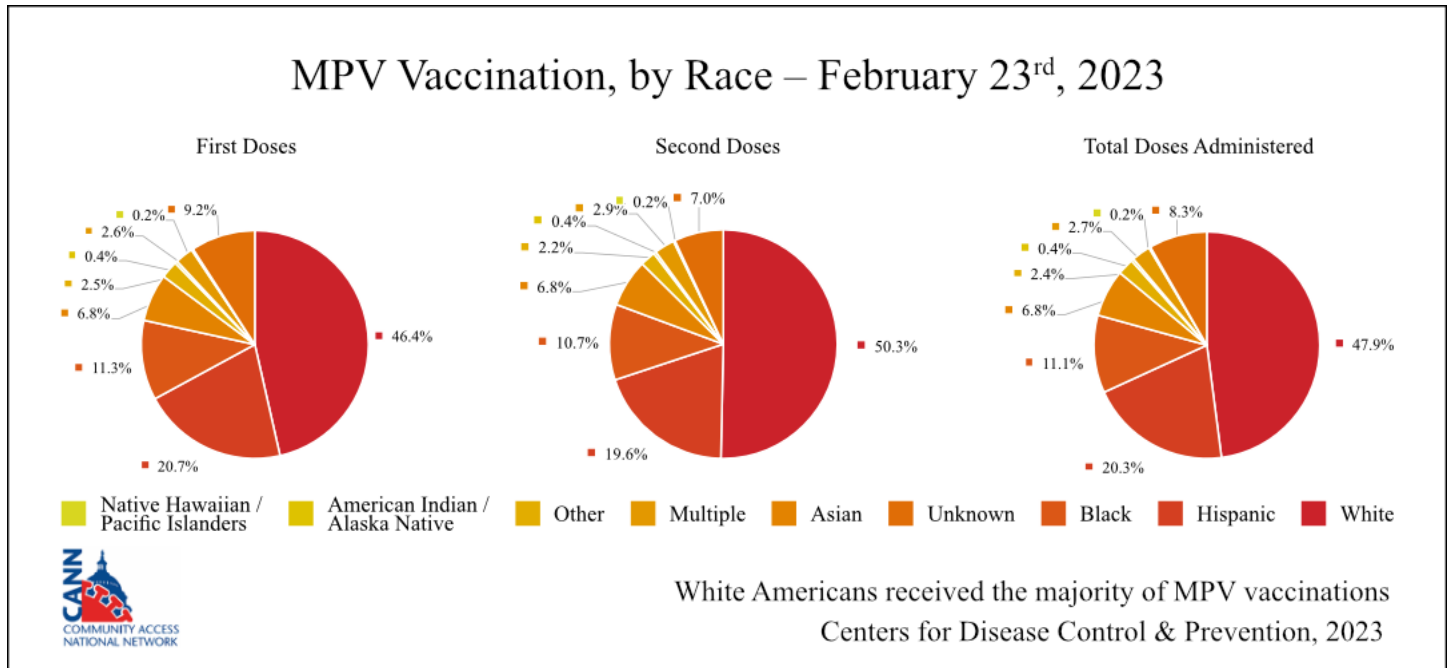


Community Access National Network Monkeypox (MPV) Monitoring Project

– Report No. 5 | MPV Response Project for People Living with HIV –

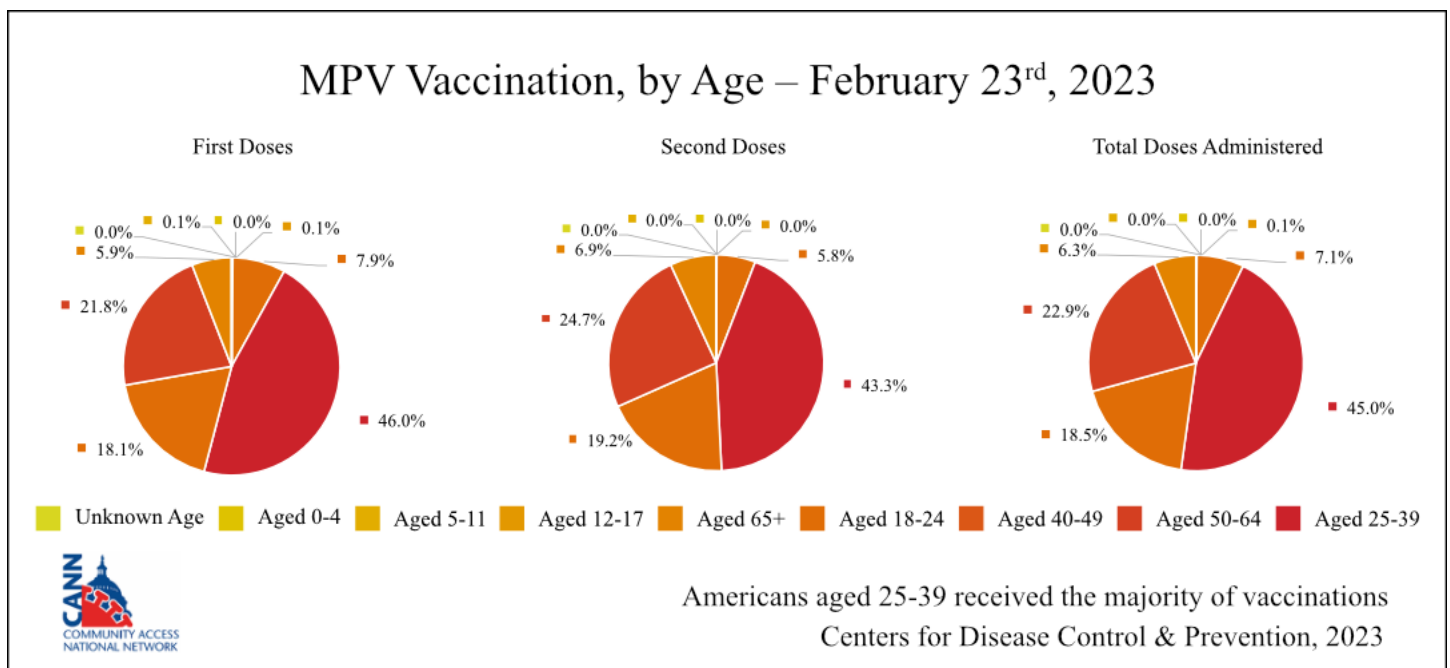
MPV Diagnoses by Race, February 28, 2023

White patients received the majority of MPV vaccine doses.



MPV Diagnoses by Age, February 28, 2023

Patients aged 25-39 received the majority of MPV vaccine doses.



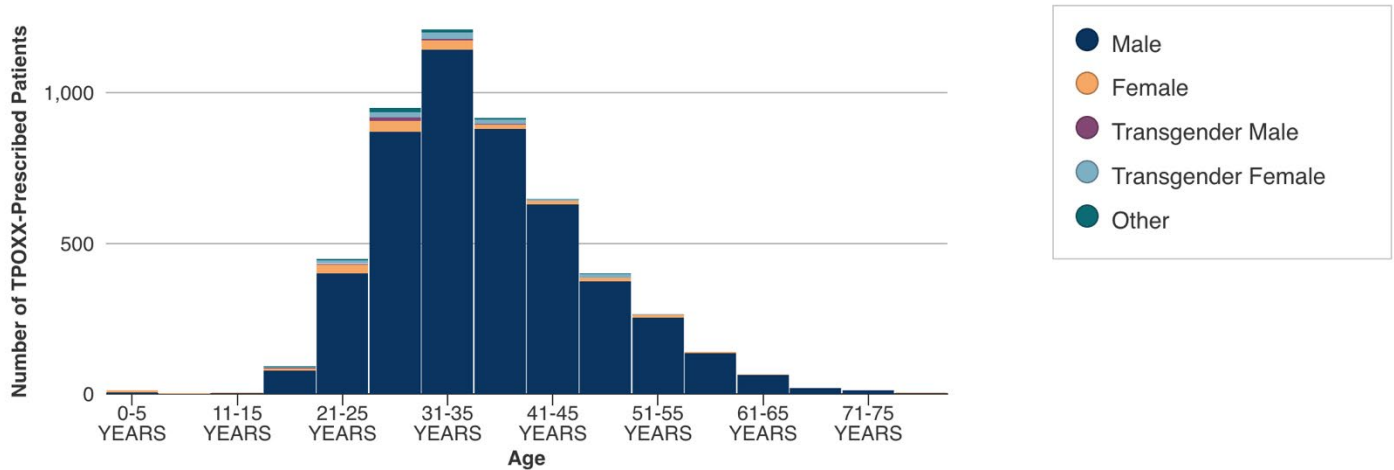
Community Access National Network Monkeypox (MPV) Monitoring Project

– Report No. 5 | MPV Response Project for People Living with HIV –

SECTION 3: TPOXX Administration

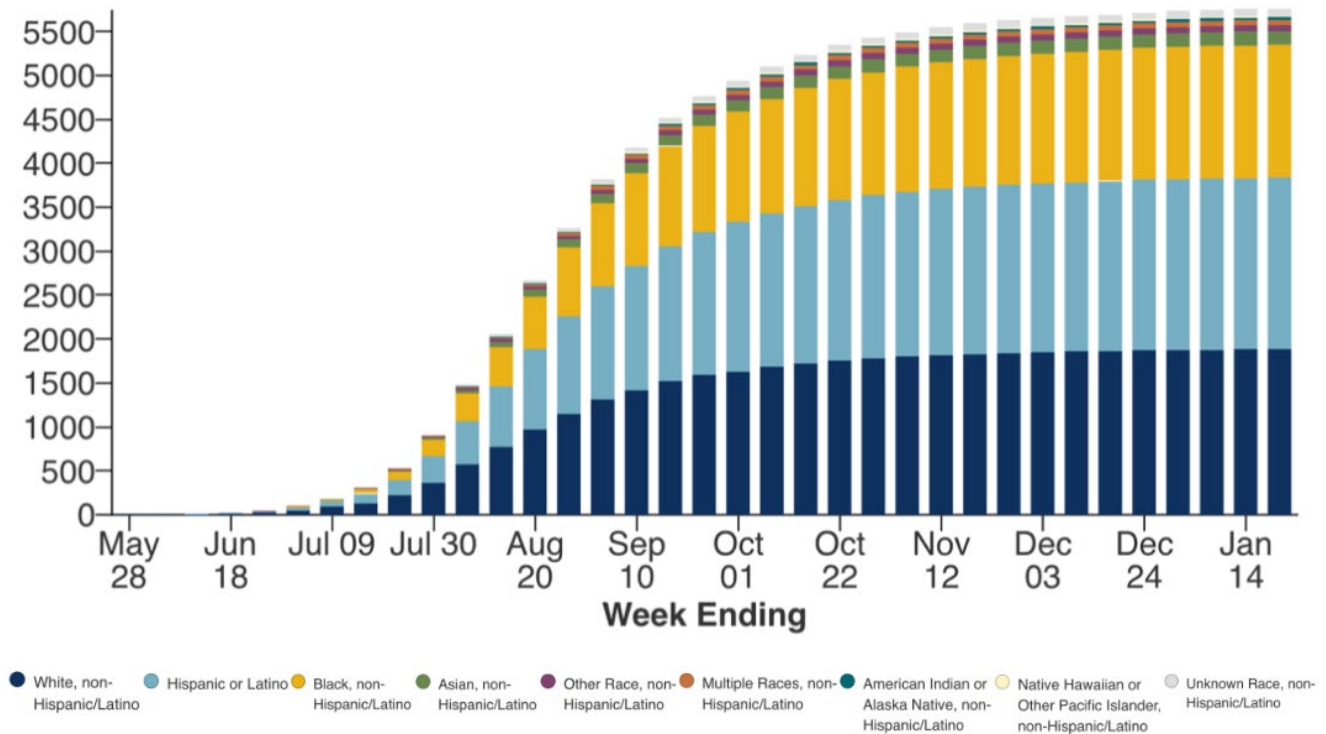
Total Patients Prescribed TPOXX: 6,832

Cumulative Number of TPOXX-prescribed Patients Reported to CDC: Age and Gender



TPOXX Prescriptions by Race

Cumulative Number of TPOXX-prescribed Patients Reported to CDC: Race/Ethnicity by Week



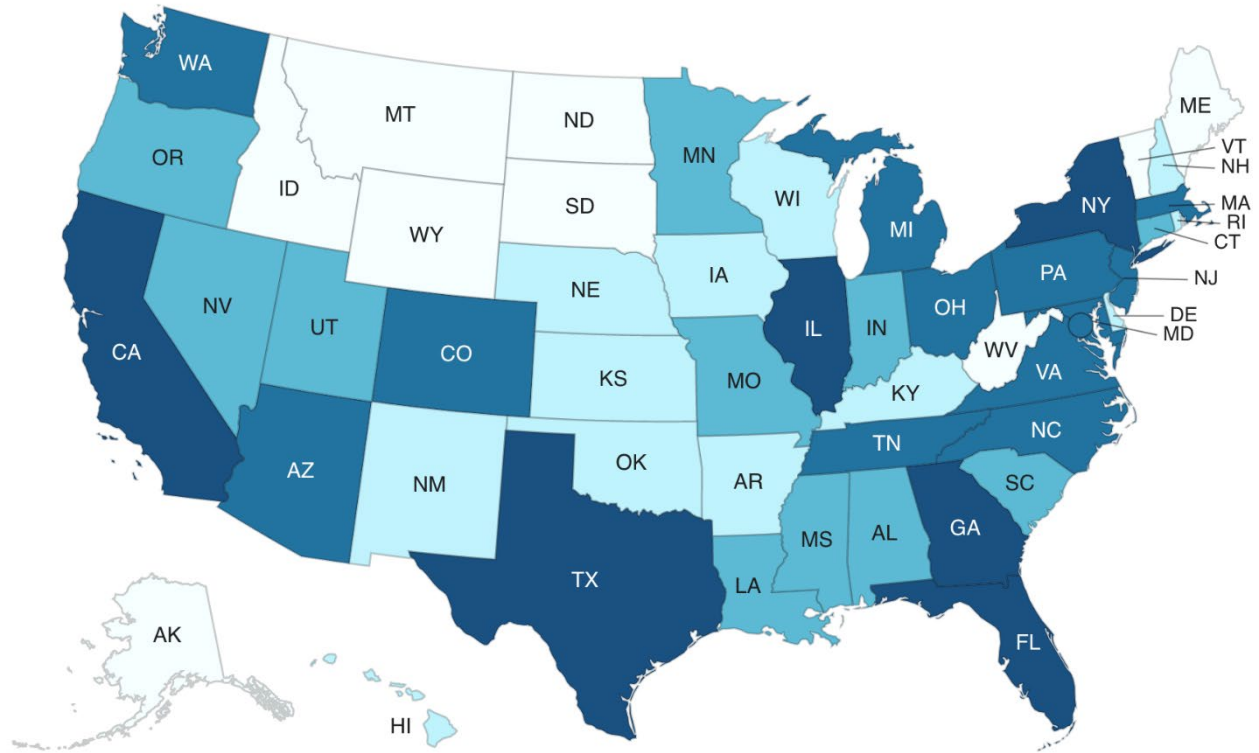
Community Access National Network Monkeypox (MPV) Monitoring Project

– Report No. 5 | MPV Response Project for People Living with HIV –

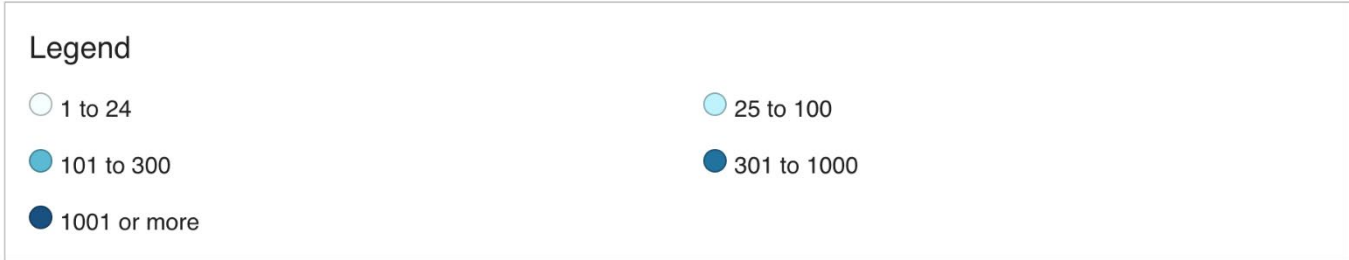
SECTION 4: HIV and MPV

United States reported monkeypox cases per 100,000 persons in the population at increased risk of monkeypox virus exposure*

Data as of October 21, 2022



Territories **PR**



SECTION 5. Current News

[Mpox in people with advanced HIV infection: a global case series](#) (*The Lancet*, 2023)

The greatest disease severity, hospitalization, and mortality was observed in individuals with both low CD4 count and high HIV viral load. This international case series includes 27 of the 60 people reported to have died of MPV in the multi-country outbreaks; all 27 were people with HIV and a CD4 cell count of less than 200 cells per mm³.

Community Access National Network Monkeypox (MPV) Monitoring Project

– Report No. 5 | MPV Response Project for People Living with HIV –

REFERENCES:

- Administration for Strategic Preparedness and Response. (2022, September 21). Washington, DC: United States Department of Health and Human Services: Administration for Strategic Preparedness and Response: Strategic National Stockpile: JYNNEOS Vaccine Distribution by Jurisdiction. <https://aspr.hhs.gov/SNS/Pages/JYNNEOS-Distribution.aspx>
- Centers for Disease Control and Prevention. (2022a, September 29). *Technical Report 3: Multi-National Monkeypox Outbreak, United States, 2022*. Atlanta, GA: United States Department of Health and Human Services: Centers for Disease Control and Prevention: Poxvirus: Monkeypox: 2022 Outbreak Cases & Data: Technical Report. <https://www.cdc.gov/poxvirus/monkeypox/cases-data/technical-report/report-3.html>
- Centers for Disease Control and Prevention. (2022b, December 02). *U.S. Monkeypox Case Trends Reported to CDC*. Atlanta, GA: United States Department of Health and Human Services: Centers for Disease Control and Prevention: Poxvirus: Monkeypox. <https://www.cdc.gov/poxvirus/monkeypox/response/2022/us-map.html>
- Centers for Disease Control and Prevention. (2022c, September 23). *2022 U.S. Map & Case Count*. Atlanta, GA: United States Department of Health and Human Services: Centers for Disease Control and Prevention: Poxvirus: Monkeypox. <https://www.cdc.gov/poxvirus/monkeypox/response/2022/us-map.html>