

Monkeypox (hMPXV)

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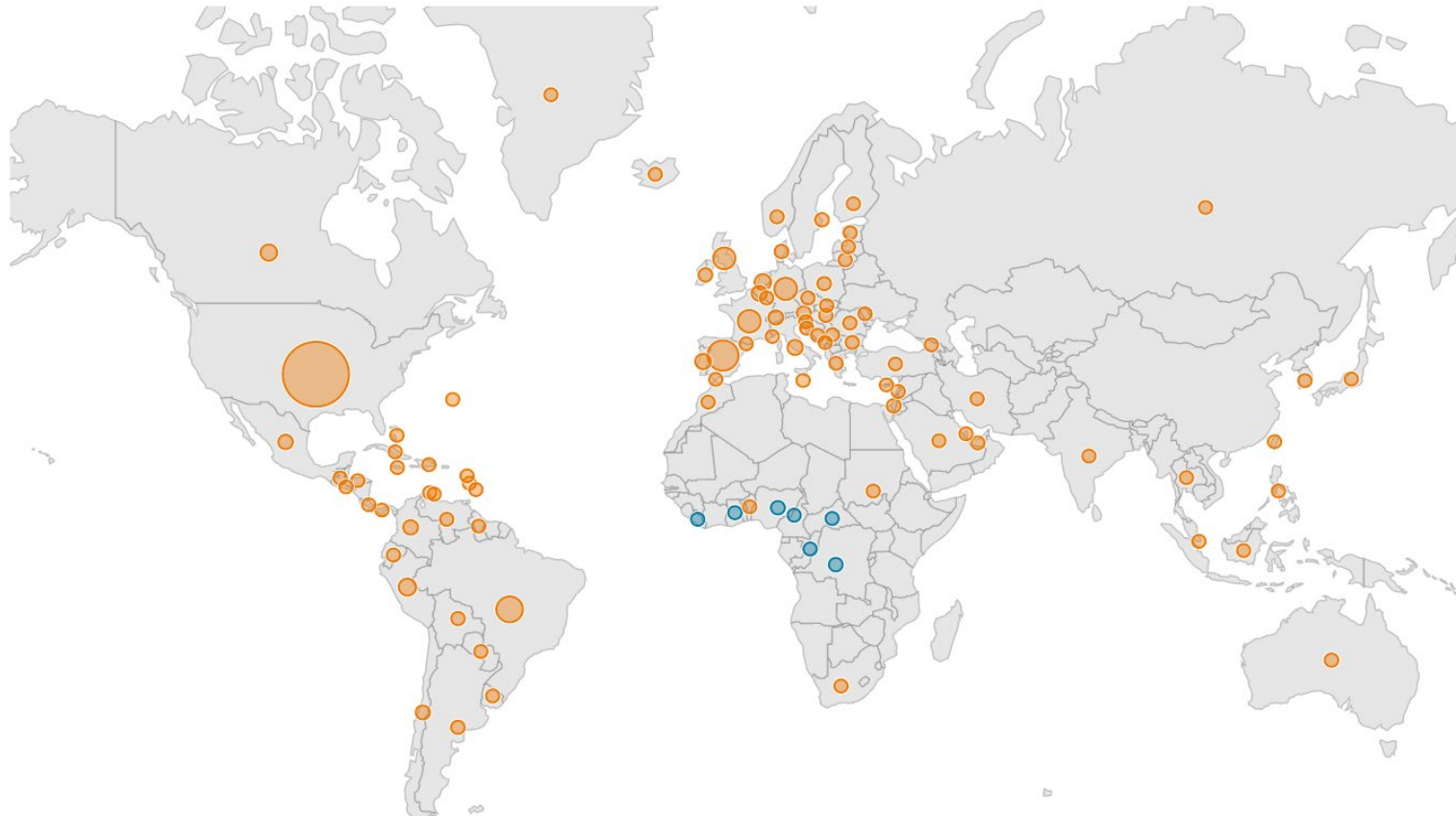
September 2, 2022

Snapshot: Monkeypox (hMPXV) cases globally (as of 9/1/2022)

52,090 cases have been reported; 93% in countries that have not historically reported monkeypox (hMPXV)

Distribution of monkeypox cases globally

- Has not historically reported monkeypox
- Has historically reported monkeypox



Top 20 Case Counts By Country

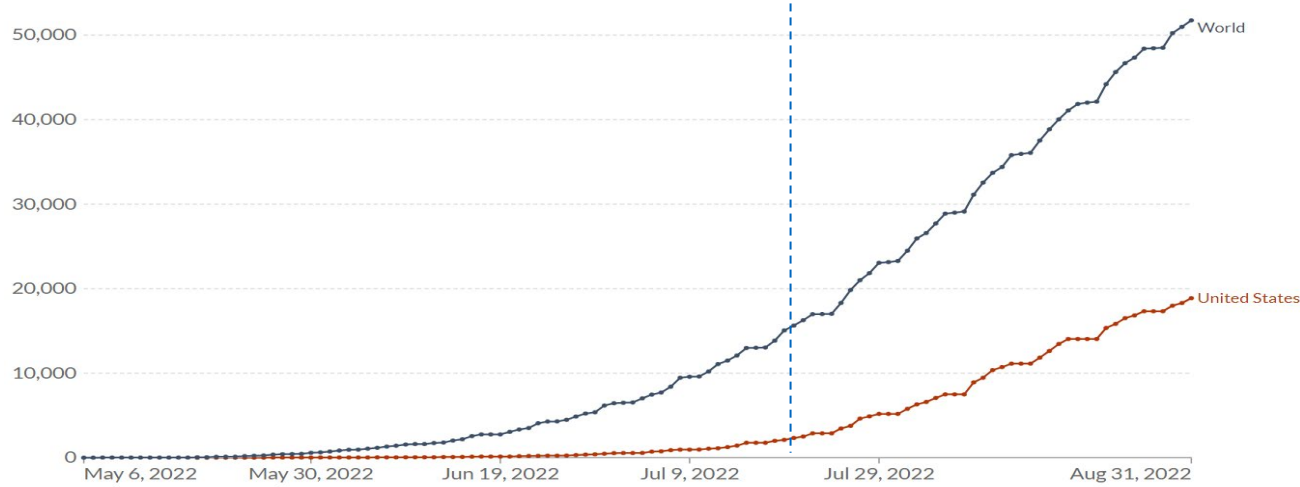
Cases Per 100K

Country	Case Count	Cases Per 100K
USA	19.5k	5.8
Spain	6.5k	14.0
Brazil	4.9k	2.3
France	3.5k	5.4
Germany	3.5k	4.1
UK	3.3k	4.8
Peru	1.5k	4.4
Canada	1.3k	3.3
Netherlands	1.2k	6.8
Portugal	0.9k	8.6
Italy	0.8k	1.3
Belgium	0.7k	6.1
Colombia	0.6k	1.1
Mexico	0.5k	0.4
Switzerland	0.5k	5.4
Chile	0.4k	2.0
Austria	0.3k	2.9
Israel	0.2k	2.7
Nigeria	0.2k	0.1
DRC	0.2k	0.2

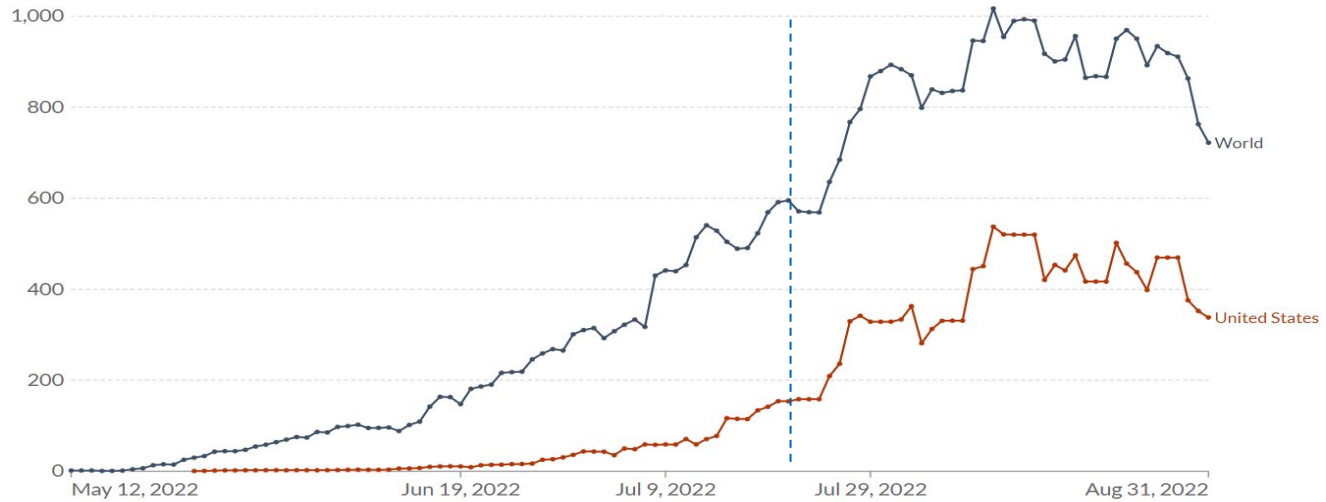
Global and US cumulative and daily confirmed Monkeypox (hMPXV) cases

July 23, 2022: Monkeypox (hMPXV) declared a global health emergency by WHO

Cumulative cases



Daily confirmed cases (7 day rolling average)



As of 9/1/2022

Global Cases: 52,090

Global Deaths: 15

US Cases: 19,465

US Deaths: 0

Monkeypox (hMPXV) Outbreak Global and US case count (as of 9/1/2022)

September 1, 2022

As of 9/1/2022

Case breakdown

Confirmed **Global cases: 52,090**

Countries affected: 100

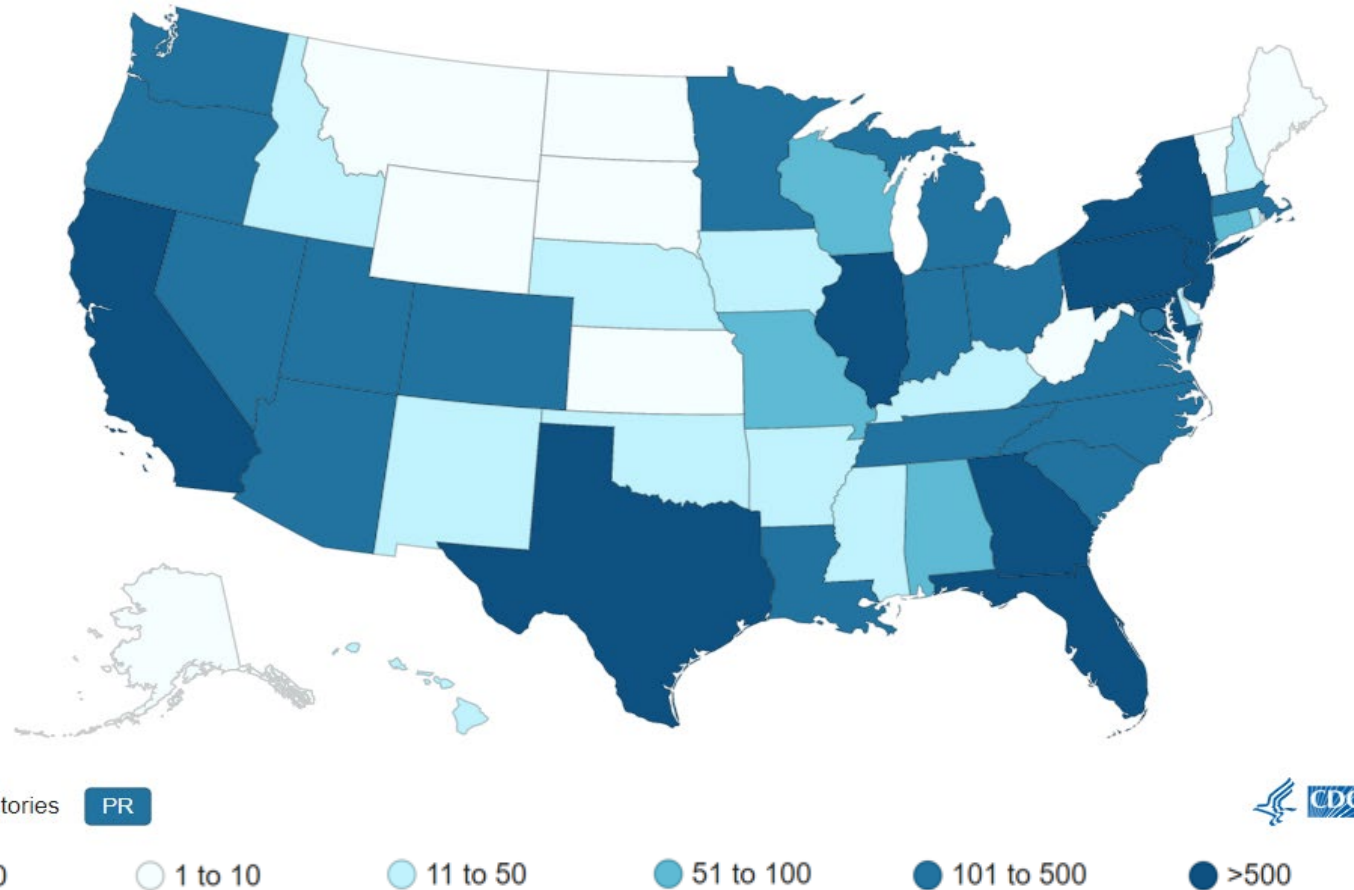
Confirmed **US cases: 19,465¹**

US states and territories affected: 52

Confirmed **NJ cases: 538²**

States with highest number of confirmed cases:

- California – 3,629³
- New York – 3,367³
- Florida – 1,957
- Texas – 1,698
- Georgia – 1,418

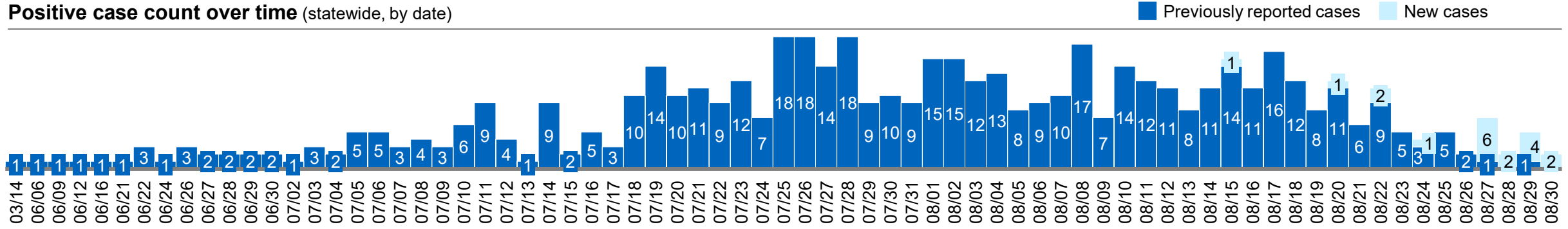
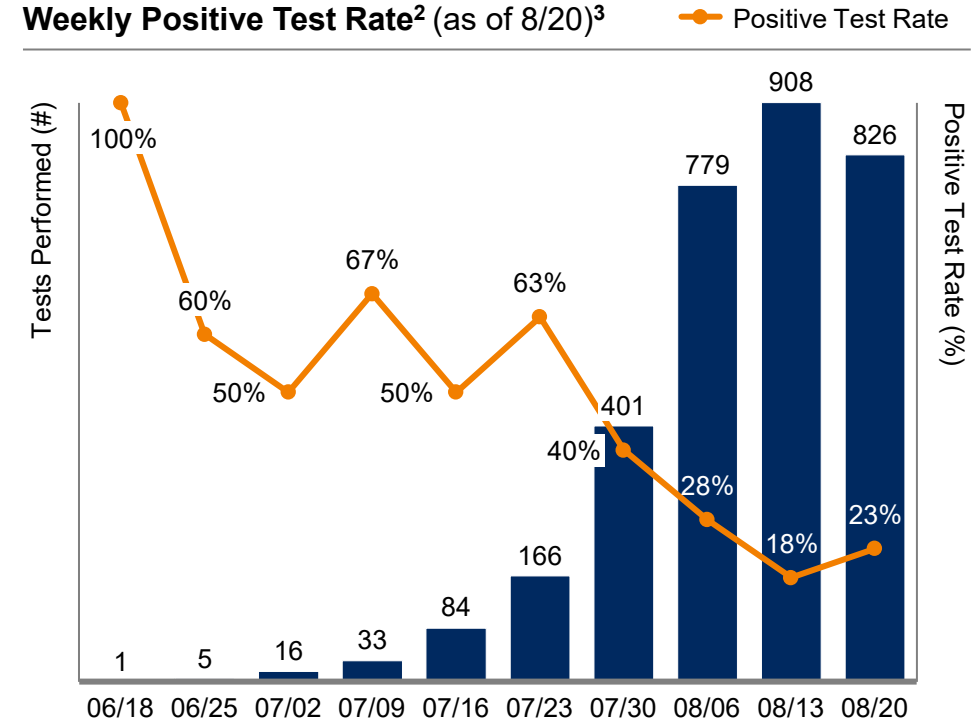
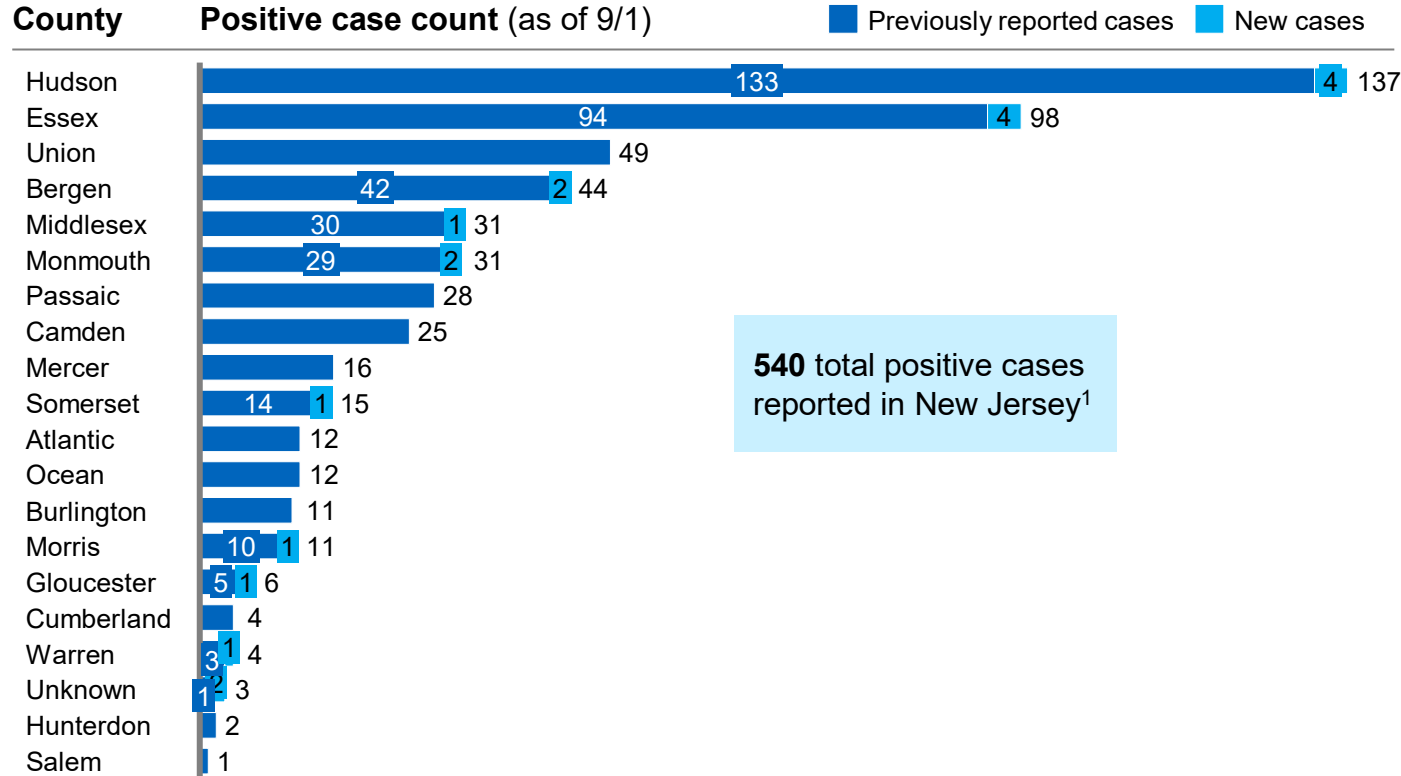


¹ One Florida case is listed here but included in the United Kingdom case counts because the individual was tested while in the UK.

² NJ case counts may vary from CDC case counts based on different reporting timeframes

³ Have declared state of emergency for monkeypox (hMPXV)

Monkeypox (hMPXV) positive cases and test rate in NJ (as of 9/1/2022) (1/3)



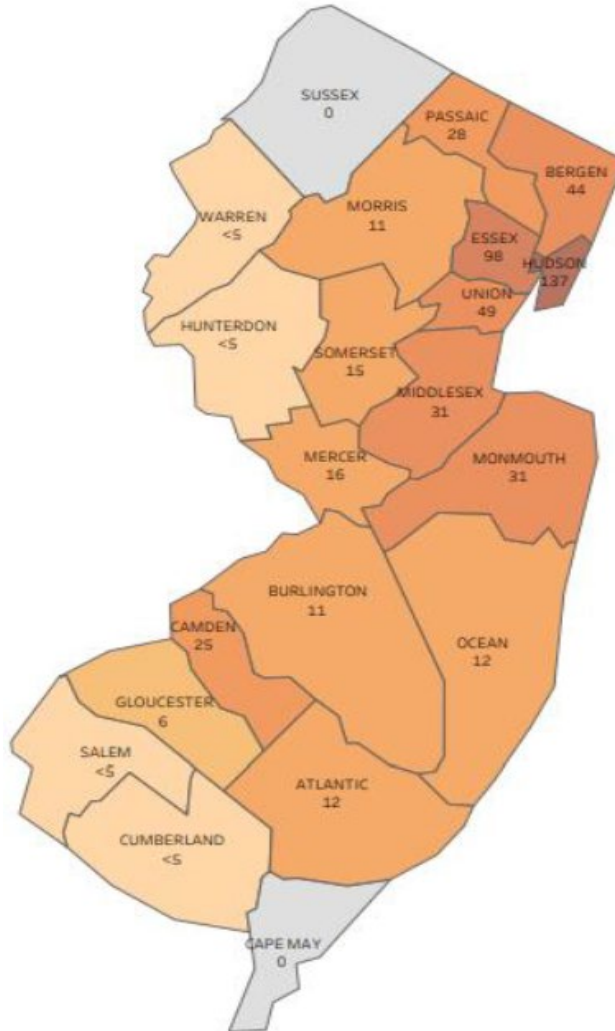
¹ NJ case counts may vary from CDC case counts based on different reporting timeframes

² Based on date of specimen collection

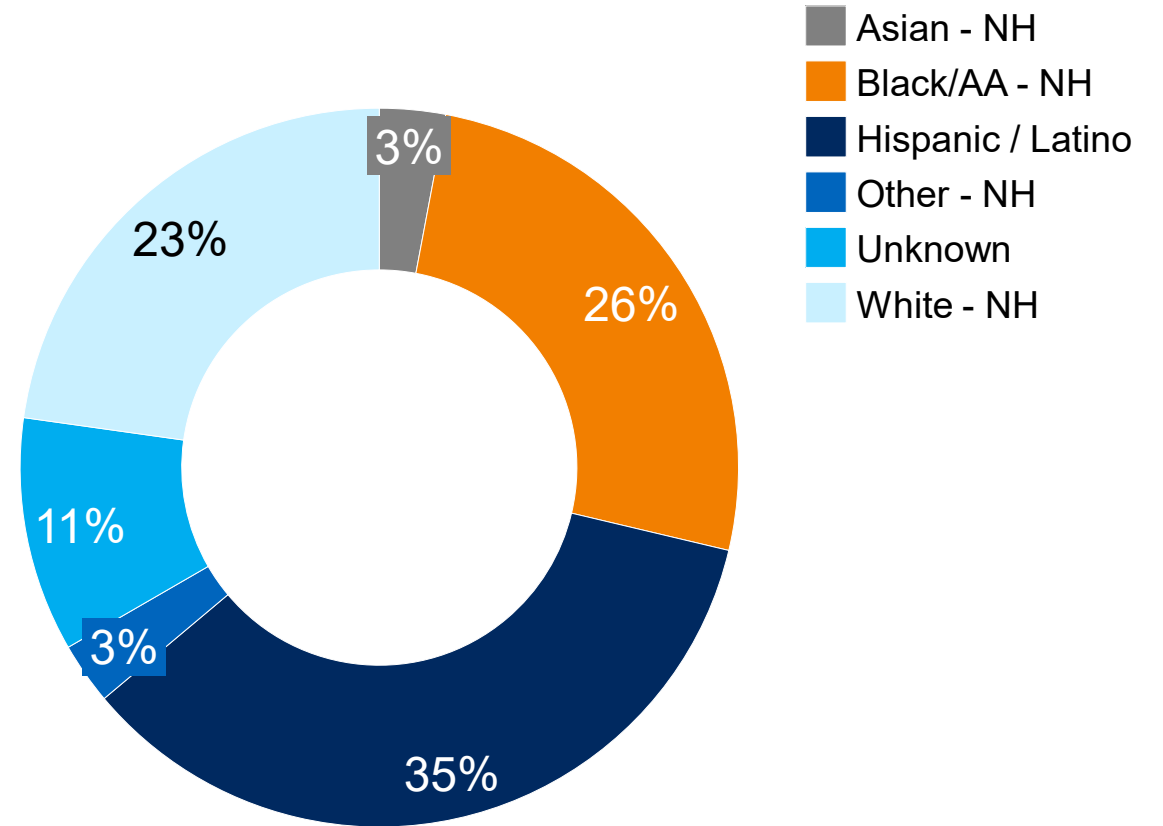
³ Laboratory testing data is included once negative results were received by NJDOH (PHEL 6/27/2022; LabCorp 7/8/2022; Quest 7/28/2022)

Monkeypox (hMPXV) cases in NJ (as of 9/1/2022) (2/3)

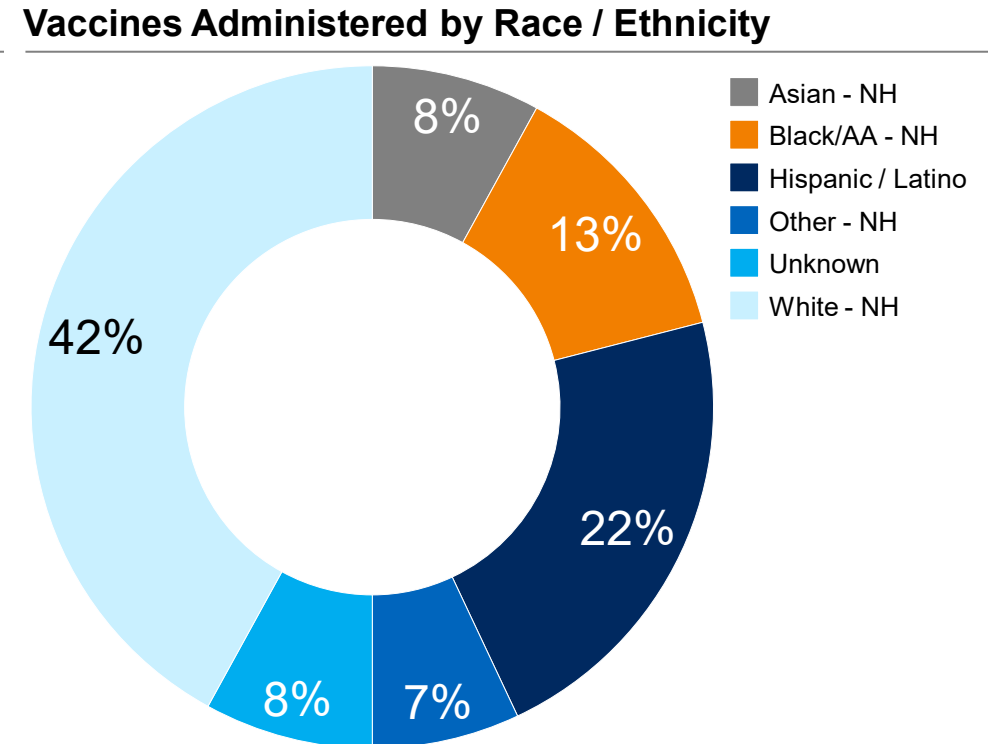
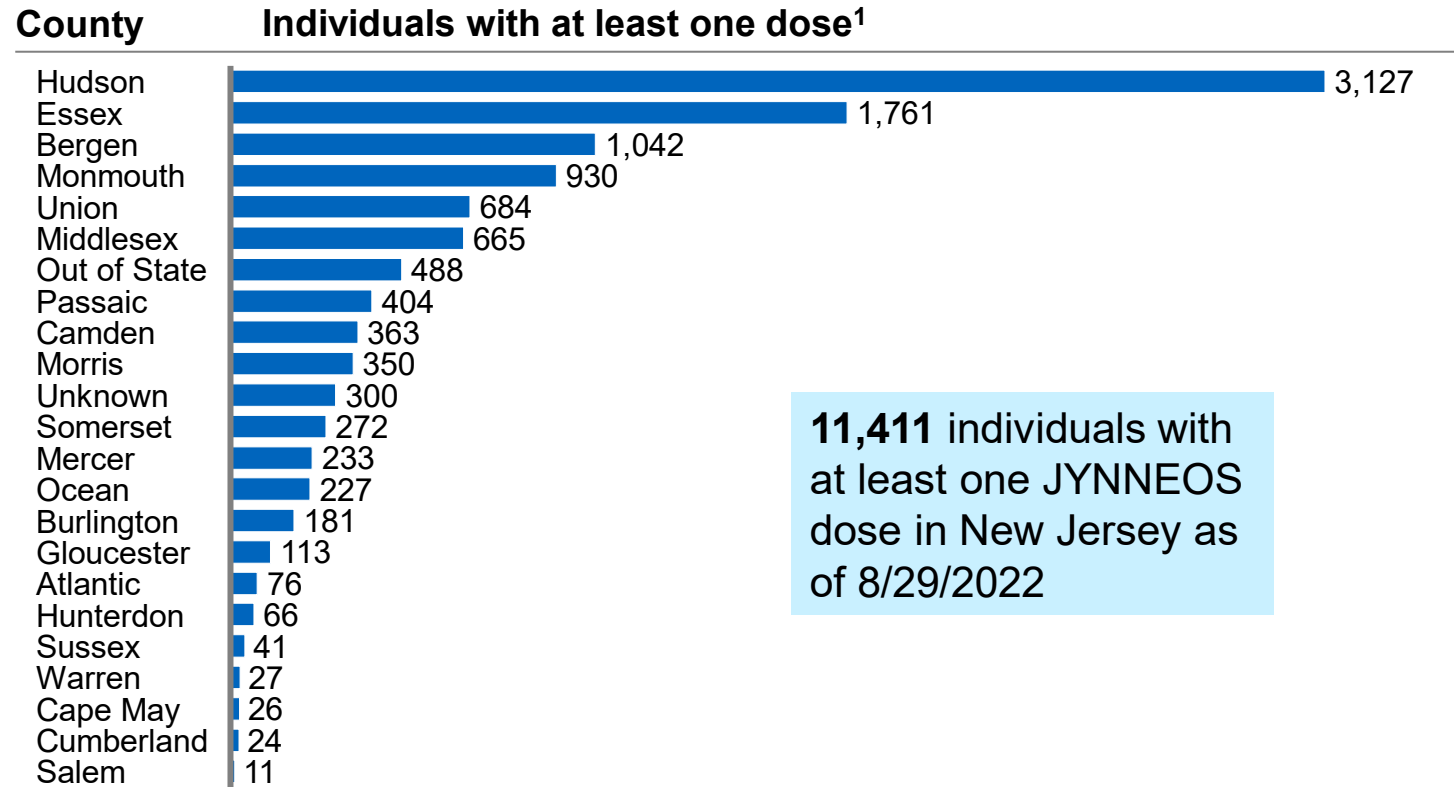
Positive case count state map



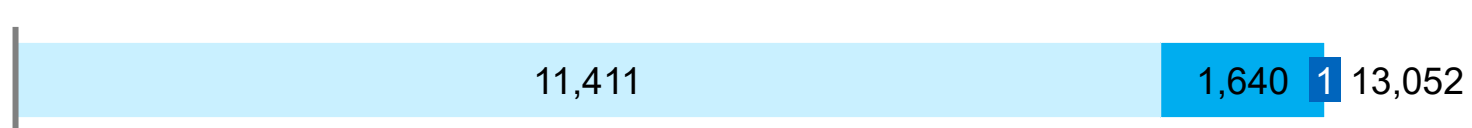
Positive Cases by Race / Ethnicity (N = 540)



Monkeypox (hMPXV) vaccines and Treatment in NJ (as of 9/1/2022) (3/3)



Total Jynneos Doses Administered in NJ (by type of dose as of 9/1)



Monkeypox (hMPXV) treatments administered

171 TPOXX bottles administered as of 9/1/2022²
86 people treated

¹ Vaccinated individuals are those with at least one dose of the JYNNEOS vaccine

² One treatment course of TPOXX equals two bottles



TREATMENT FOR MONKEYPOX: TECOVIRIMAT

- Tecovirimat (TPOXX): Antiviral medication approved by FDA for treatment of smallpox in adults and children
- CDC holds an EA-IND for use of TPOXX for treatment of orthopoxvirus infections, including monkeypox
 - Protocol updated on 8/18/2022:
<https://www.cdc.gov/poxvirus/monkeypox/clinicians/obtaining-tecovirimat.html>
- NJDOH has a supply of oral TPOXX available for clinicians that request it for suspect and confirmed orthopoxvirus cases



PATIENTS WHO SHOULD BE CONSIDERED FOR TREATMENT

- People with severe disease
- People who may be at risk of severe disease:
 - People with immunocompromise
 - Pediatric populations (especially patients younger than 8 years of age)
 - People with history of atopic dermatitis, exfoliative skin conditions, or Darier disease
 - Pregnant or breastfeeding women
 - People with one or more complications
- People with atypical infections that include accidental implantation in eyes, mouth, or other anatomical areas where monkeypox virus infection might constitute a special hazard (e.g. genitals or anus)

MY ASK

- Please send me any thoughts regarding barriers to testing and care
- Thoughts on what/how we can do better are welcome

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