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Monkeypox Situational Update

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Interim Commissioner

Texas Department of State Health Services

October 3, 2022

DISCLAIMER

The information presented today is based current preliminary data and on CDC's recent guidance. Information is subject to change.

October 03, 2022



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Monkeypox Basics

Monkeypox: Virus, History, and Transmission



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- Monkeypox is caused by the monkeypox virus
 - Orthopoxvirus
 - Current outbreak is due to Clade IIb of monkeypox virus
- Discovered in 1958, but first human case identified in 1970
- Person-to-person spread is driving the current global outbreak
 - Direct contact with rash, scabs, or body fluids
 - Exposure to respiratory secretions, usually during prolonged, face-to-face contact
 - Contact with items that previously touched infectious rash or body fluids
 - Vertical transmission to a fetus through the placenta
- Can also become infected by scratch or bite of infected animal or by preparing or eating meat from infected animal

Key Characteristics of Monkeypox Rash



Monkeypox: Clinical Course



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- Incubation period: 1-3 weeks
- Clinical presentation
 - Often starts with a prodrome of fever, malaise, headache, lymph node swelling
 - Rash usually follows prodrome
 - Lesions progress through different phases: enanthem, macules, papules, vesicles, pustules, and then scabs
 - Infectious until scabs have fallen off and fresh skin is evident, usually 2-4 weeks after rash onset
- Diagnosis: Nucleic acid amplification test
- Fatality rate 1-10% in previous outbreaks, but lower with current outbreak

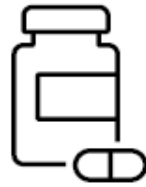
Monkeypox: Medical Countermeasures

- Medical countermeasures can be used for:
 - Pre-exposure prophylaxis
 - Post-exposure prophylaxis
 - Treatment



JYNNEOS

ACAM2000



Tecovirimat (TPOXX)

Cidofovir

Brincidofovir



Vaccinia immune globulin



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2022 Monkeypox Outbreak

2022 Monkeypox Outbreak Global Map

Data as of 28 Sep 2022 5:00 PM EDT

View: CASES DEATHS

< 2022 U.S. Monkeypox Outbreak

Confirmed Cases

67,602

Total Cases

67,022

in locations that have not historically reported monkeypox

580

in locations that have historically reported monkeypox

Locations with cases

106

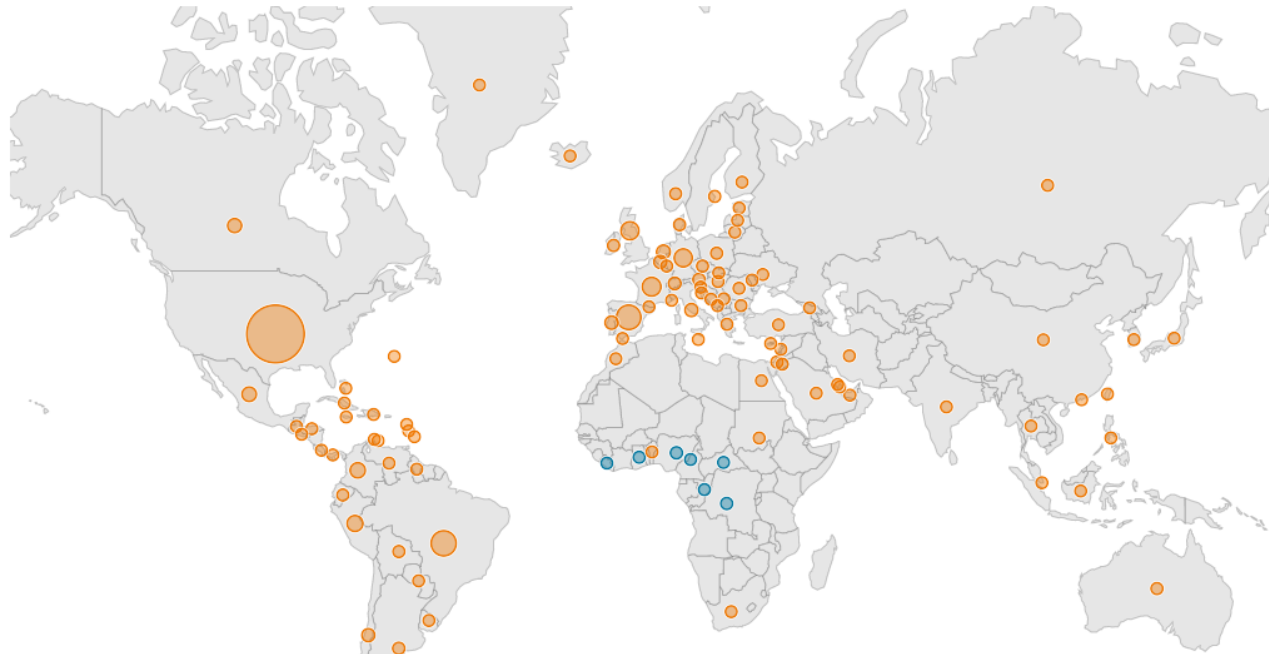
Total

99

Has not historically reported monkeypox

7

Has historically reported monkeypox



Location	Cases
United States Of America	25,508
Brazil	7,534
Spain	7,149
France	3,970
United Kingdom	3,635
Germany	3,615
Peru	2,436
Colombia	2,042

Location	Cases
California	4,886
New York	3,904
Florida	2,508
Texas	2,299
Georgia	1,784
Illinois	1,305
Pennsylvania	754
New Jersey	701
Maryland	657
Washington	593



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Monkeypox Cases in Texas, as of 9/27/2022



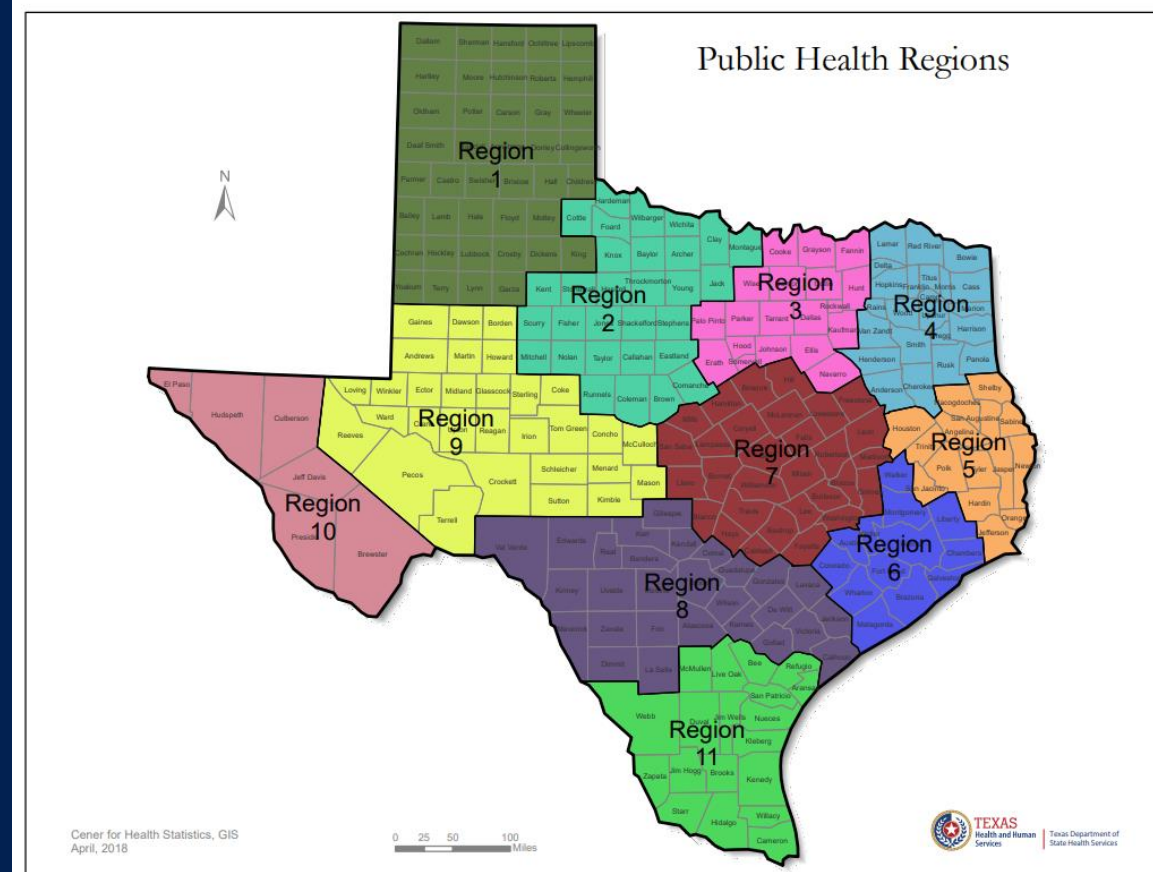
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Reported Monkeypox Cases in Texas by Public Health Region

Public Health Region	Number of Cases
PHR 1	8
PHR 2/3	996
PHR 4/5N	12
PHR 6/5S	930
PHR 7	225
PHR 8	74
PHR 9/10	7
PHR 11	16
Total	2,268



Monkeypox Cases by Age/Gender, U.S.

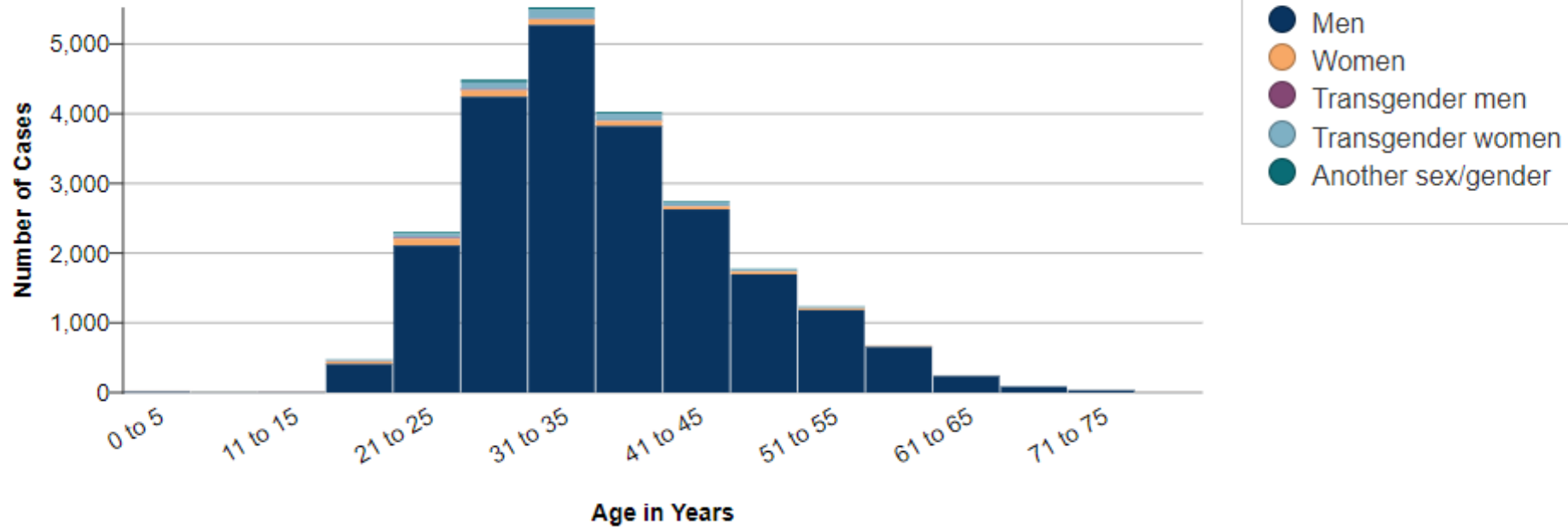


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Monkeypox cases reported to CDC: Age and Gender



Data as of 9/28/2022. Available at: <https://www.cdc.gov/poxvirus/monkeypox/response/2022/demographics.html>. Accessed 9/28/2022.

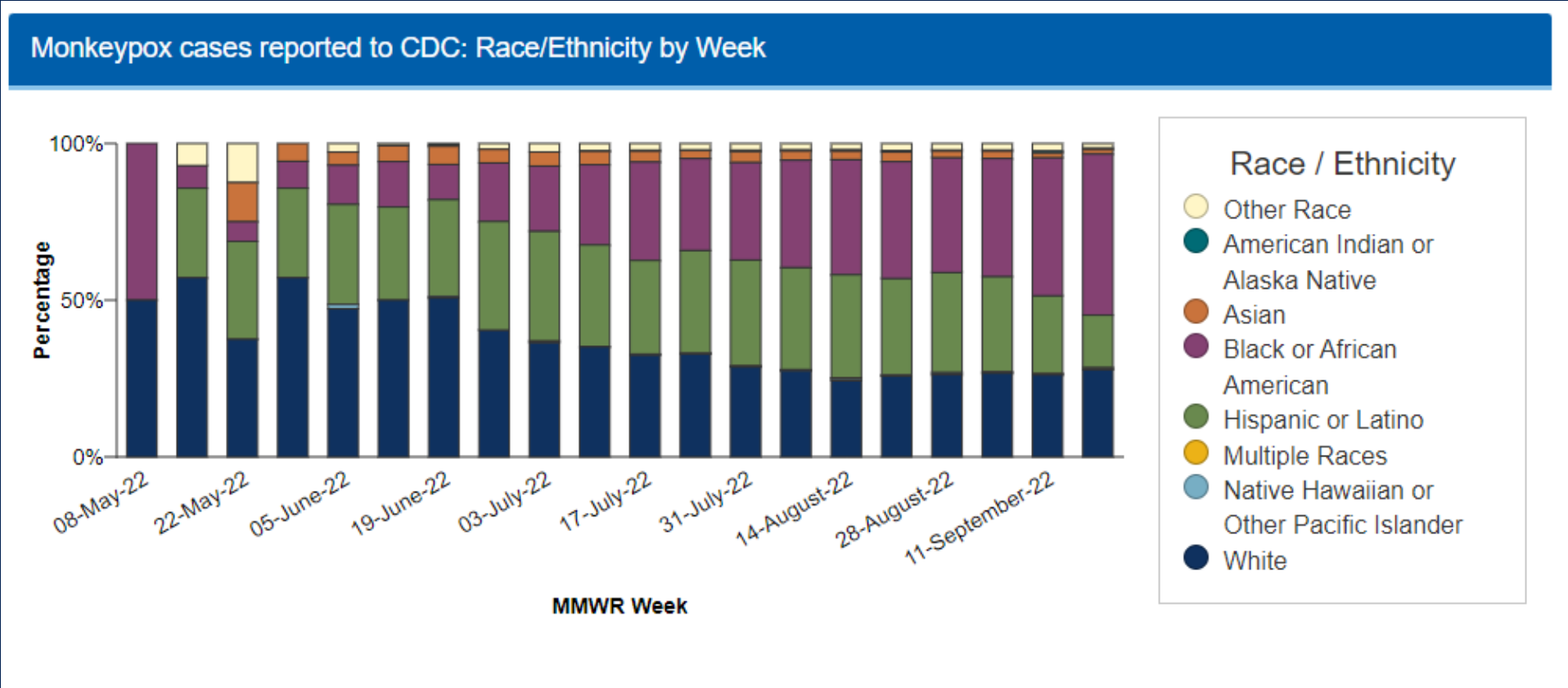
Monkeypox Cases by Race/Ethnicity, U.S.



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Data as of 9/28/2022. Available at: <https://www.cdc.gov/poxvirus/monkeypox/response/2022/demographics.html>. Accessed 9/28/2022.

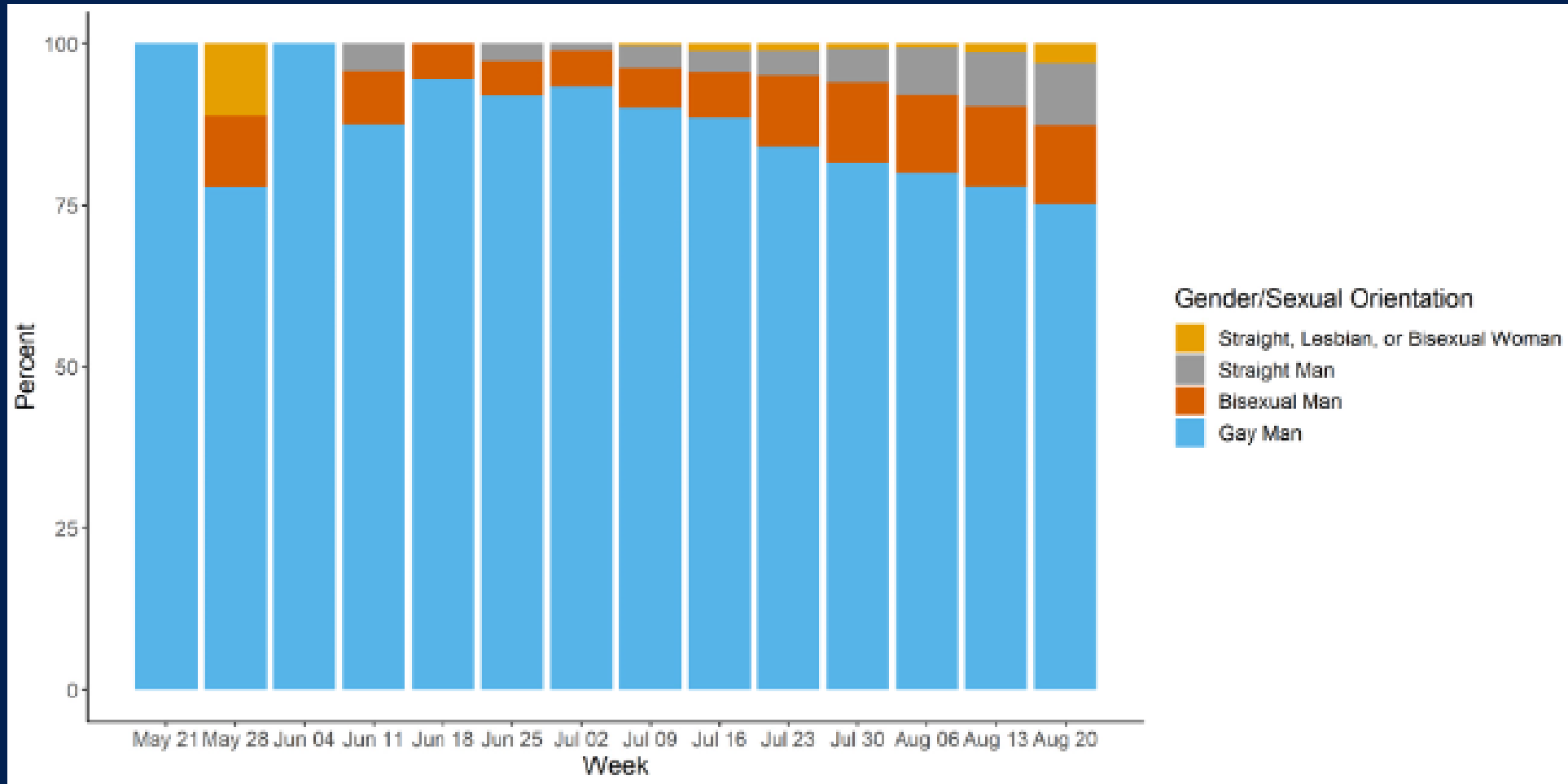
Monkeypox Cases by Gender/Sexual Orientation, U.S.



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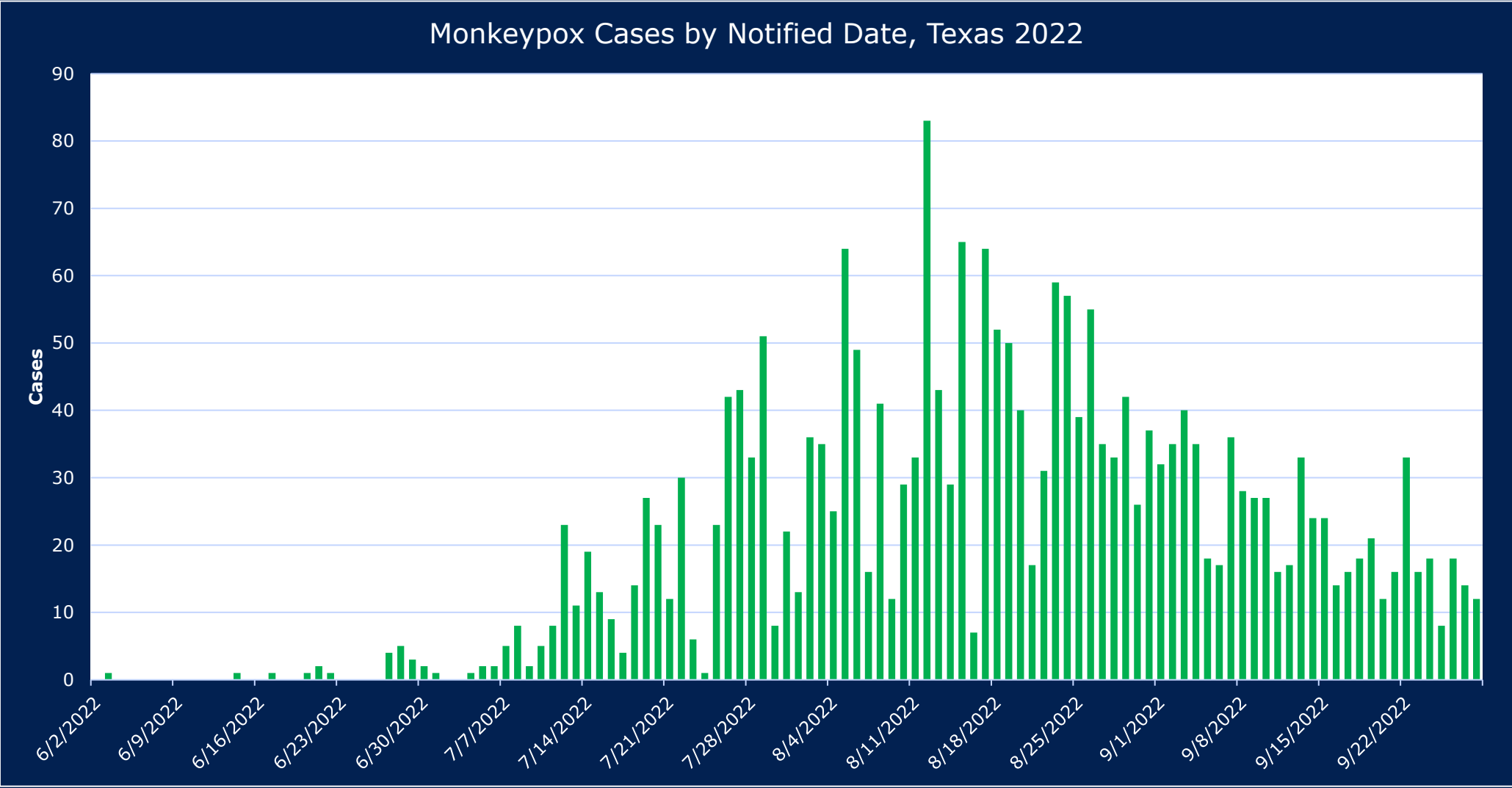
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Data as of 8/26/2022. Available at: <https://www.cdc.gov/poxvirus/monkeypox/cases-data/technical-report/report-2.html>. Accessed 9/28/2022.

Monkeypox Case Report Trends: Texas



DSHS data as of 9/29/2022. Data are preliminary and may change.

Monkeypox Case Report Trends: U.S., Europe, and Worldwide

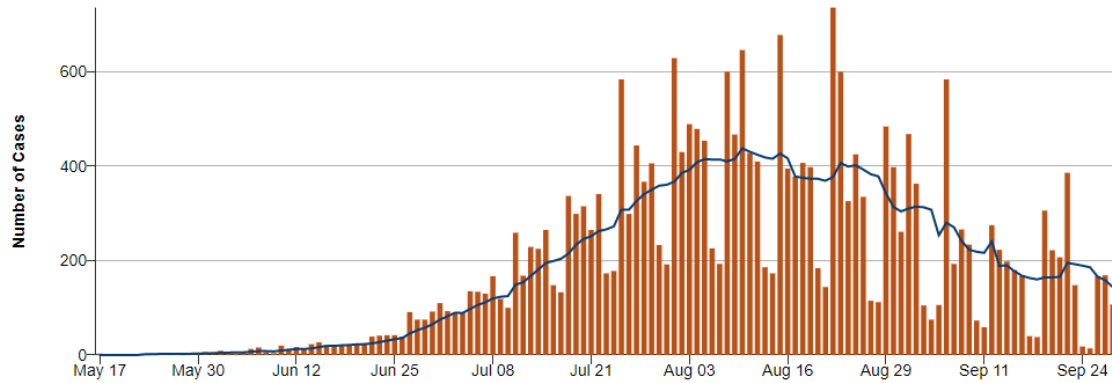


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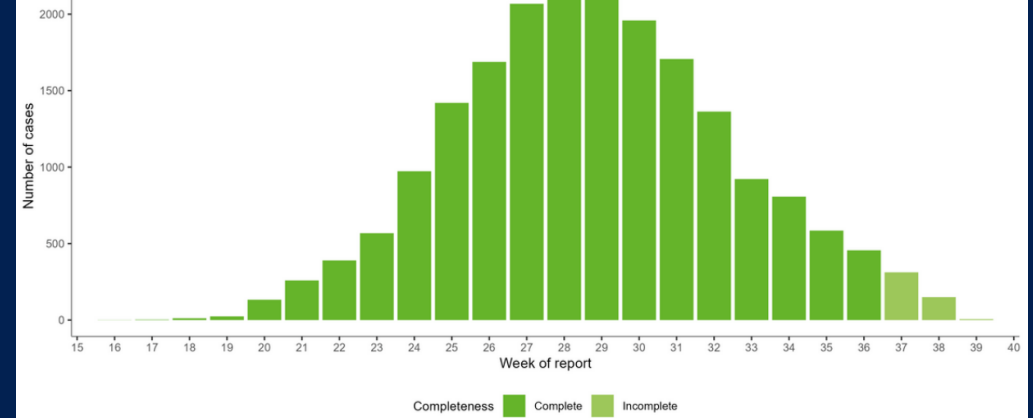
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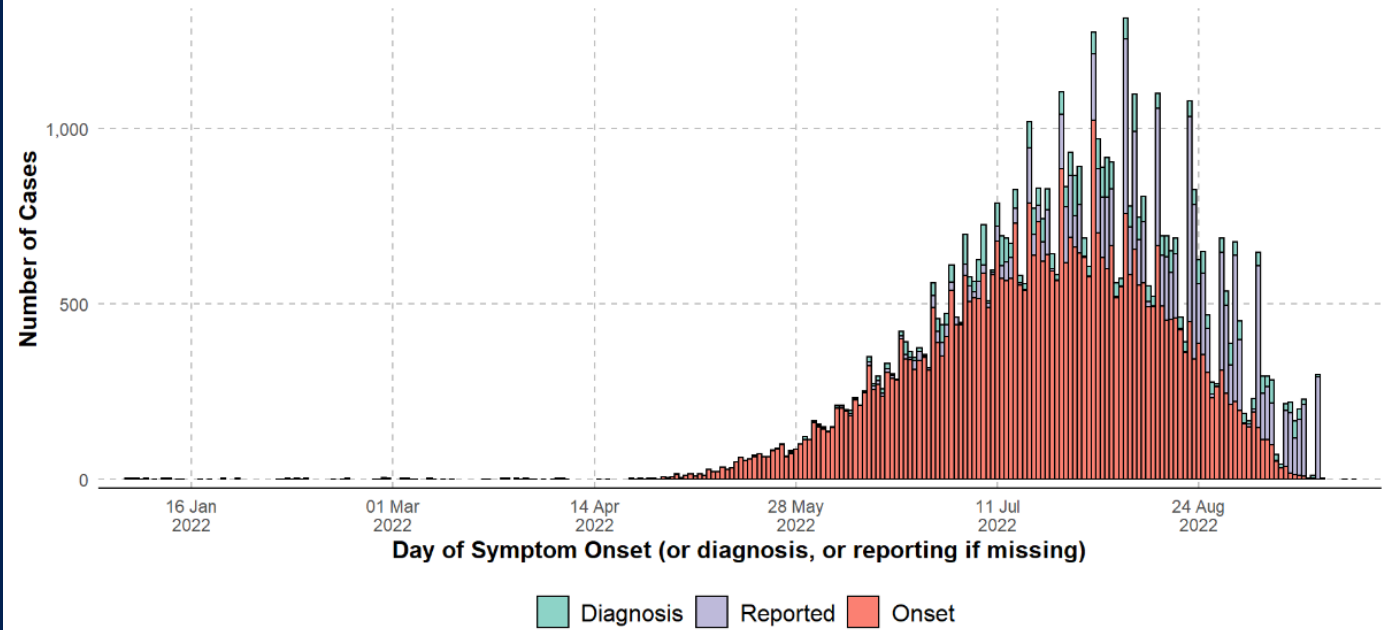
Daily Monkeypox Cases Reported* and 7 Day Daily Average



Monkeypox cases in the EU/EEA since 22 April 2022 by reporting week



data as of September 23 2022





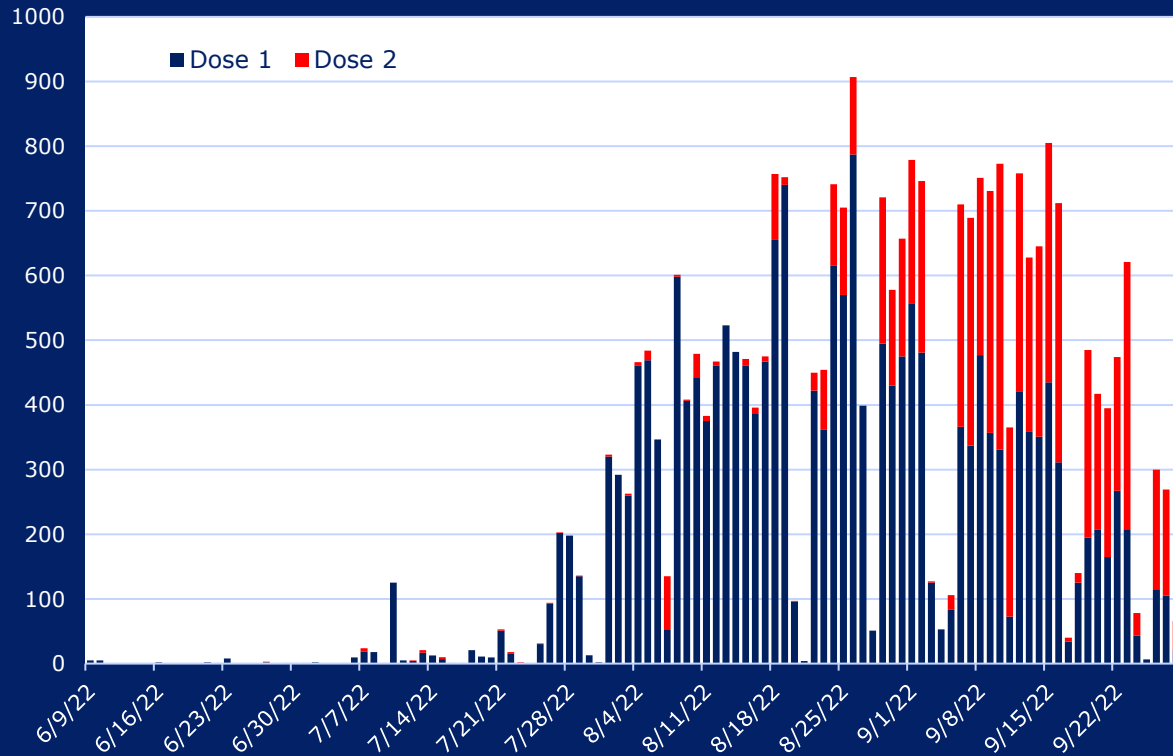
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Monkeypox (JYNNEOS) Vaccination

As of September 28, 2022, a total of 20,540 People Vaccinated with at least one Dose of JYNNEOS (ImmTrac2 data) in Texas

Monkeypox Vaccine (JYNNEOS) Doses Administered by Vaccination Date (ImmTrac)

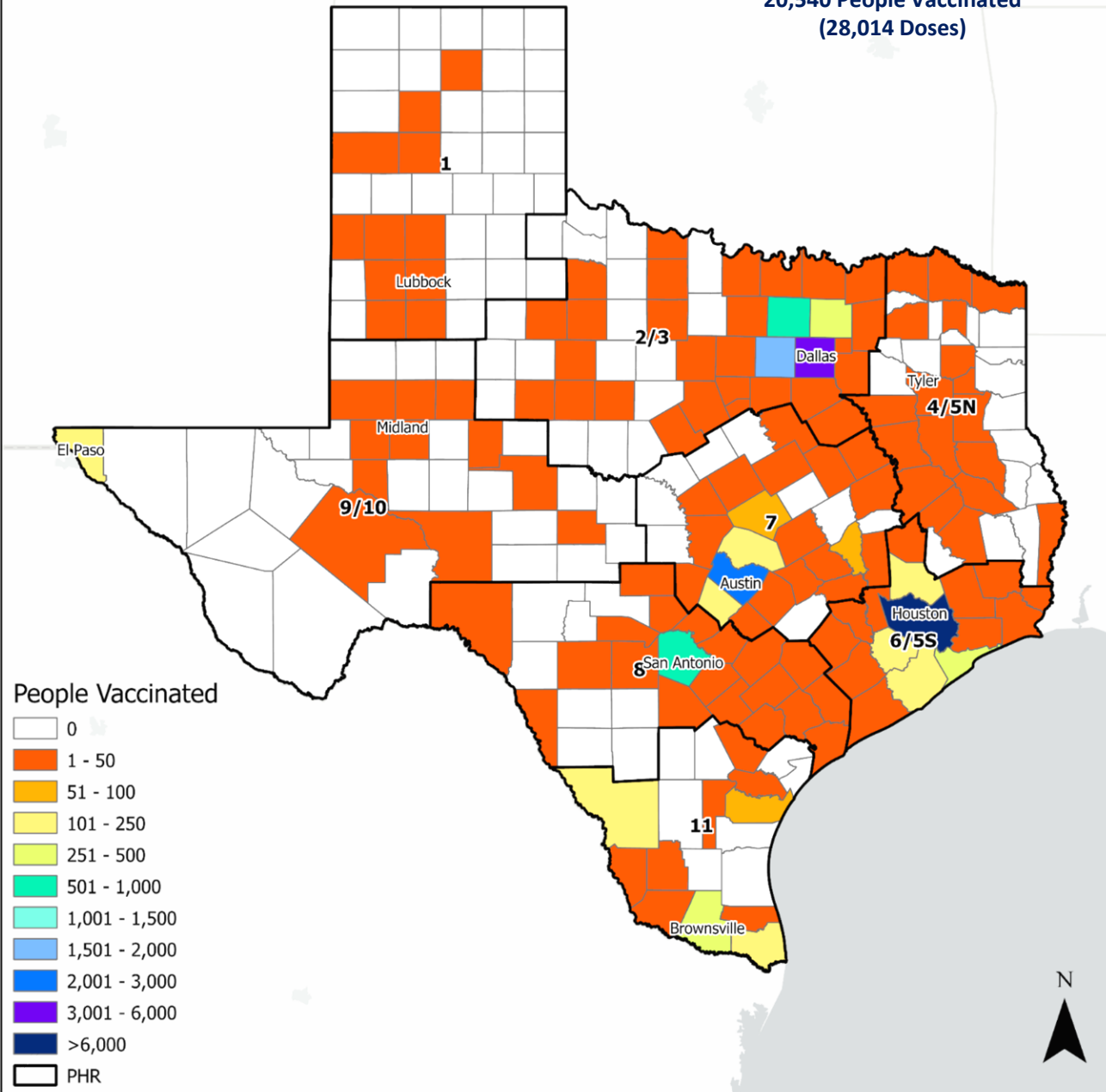


JYNNEOS Administration (ImmTrac) by PHR					Cases		
PHR	JYNNEOS		People Fully Vaccinated	Total Doses Administered	%	Total Cases	%
	Dose 1	Dose 2					
1	99	25	25	124	0.4%	8	0.3%
2/3	6,322	2,033	2,033	8,360	29.8%	1,008	43.8%
4/5N	69	21	21	90	0.3%	12	0.5%
6/5S	8,507	4,033	4,033	12,548	44.8%	943	41.0%
7	2,932	528	528	3,464	12.4%	230	10.0%
8	1,066	288	288	1,354	4.8%	76	3.3%
9/10	265	23	23	288	1.0%	6	0.3%
11	798	365	365	1,164	4.2%	16	0.7%
Unknown	482	140	140	622	2.2%	0	0.0%
Total	20,540	7,456	7,456	28,014	100.0%	2,299	100.0%

**JYNNEOS Doses Administered
For Planning Purposes ONLY**

Data provisional as of September 28, 2022

**20,540 People Vaccinated
(28,014 Doses)**





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Thank you!
