

Mpox



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## JYNNEOS Vaccine Coverage by Jurisdiction

Data as of August 01 2023 05:02 PM EDT

Beginning May 9, 2023, the data below will be updated every two weeks on Wednesdays.

[MMWR, JYNNEOS Vaccination Coverage Among Persons at Risk for Mpox — United States, May 22, 2022–January 31, 2023](#)

[Risk Assessment of mpox Resurgence and Implications for Vaccination](#)

The [figure on this page](#) shows vaccine coverage by jurisdiction for the estimated population at risk for mpox in people who have had at least one dose and who are fully vaccinated. [CDC estimates show](#) that without continued efforts to vaccinate people with the highest risk of mpox exposure, including newly sexually active gay, bisexual, and other men who have sex with men (MSM), a resurgence of mpox will become more likely over time.

## Overview

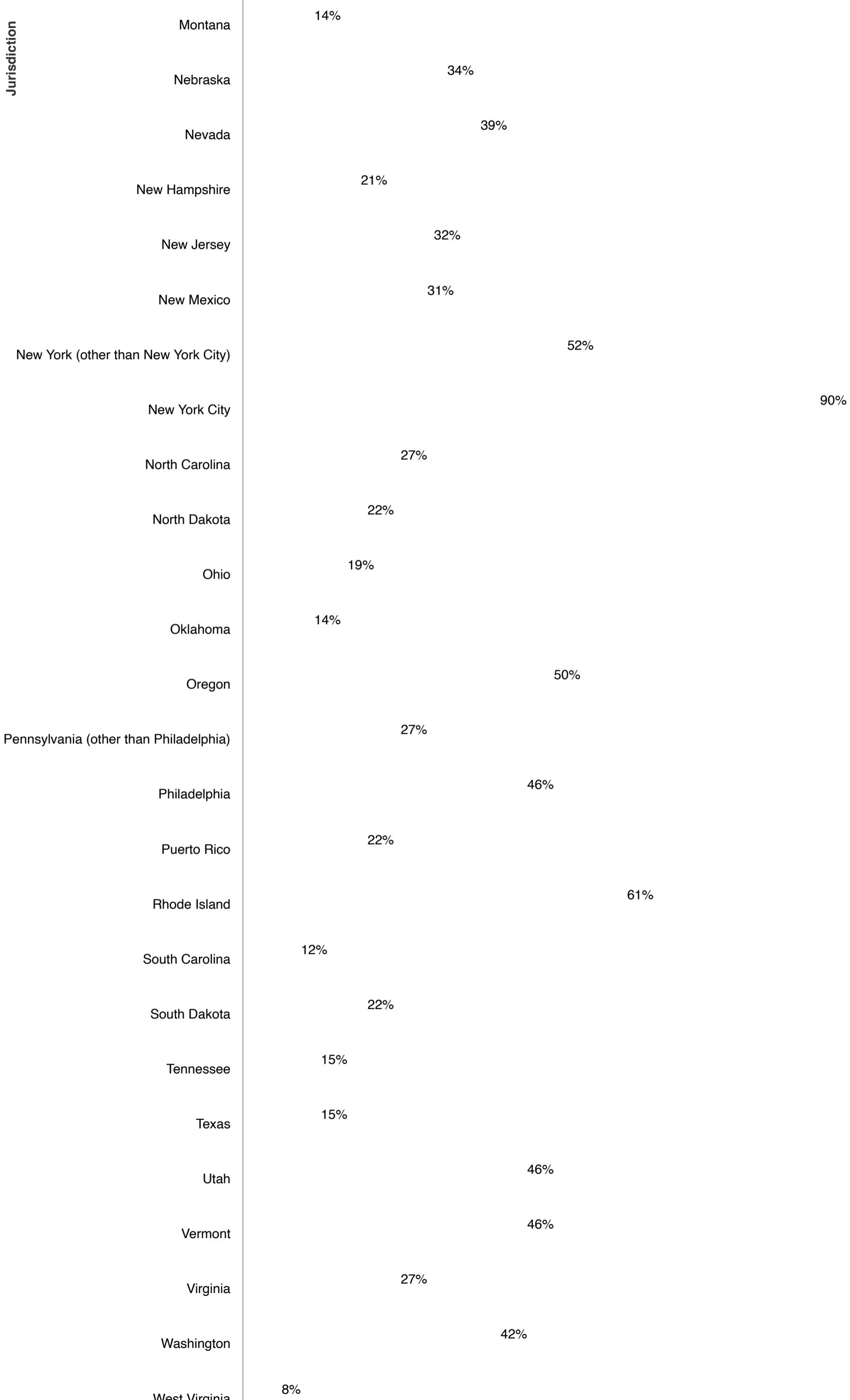
JYNNEOS vaccine (the vaccine used in the current mpox outbreak) is [effective](#) at preventing mpox among people at risk of mpox. According to [MMWR, JYNNEOS Vaccination Coverage Among Persons at Risk for Mpox — United States, May 22, 2022–January 31, 2023](#), although approximately 1.2 million vaccine doses have been administered, only 23% of the [population at risk](#) has been [fully vaccinated](#) nationally. Vaccine coverage varies widely between jurisdictions. Reasons for coverage variability could include lower vaccine accessibility and awareness, fewer vaccine providers, lower vaccine confidence and demand, and concern about stigma.

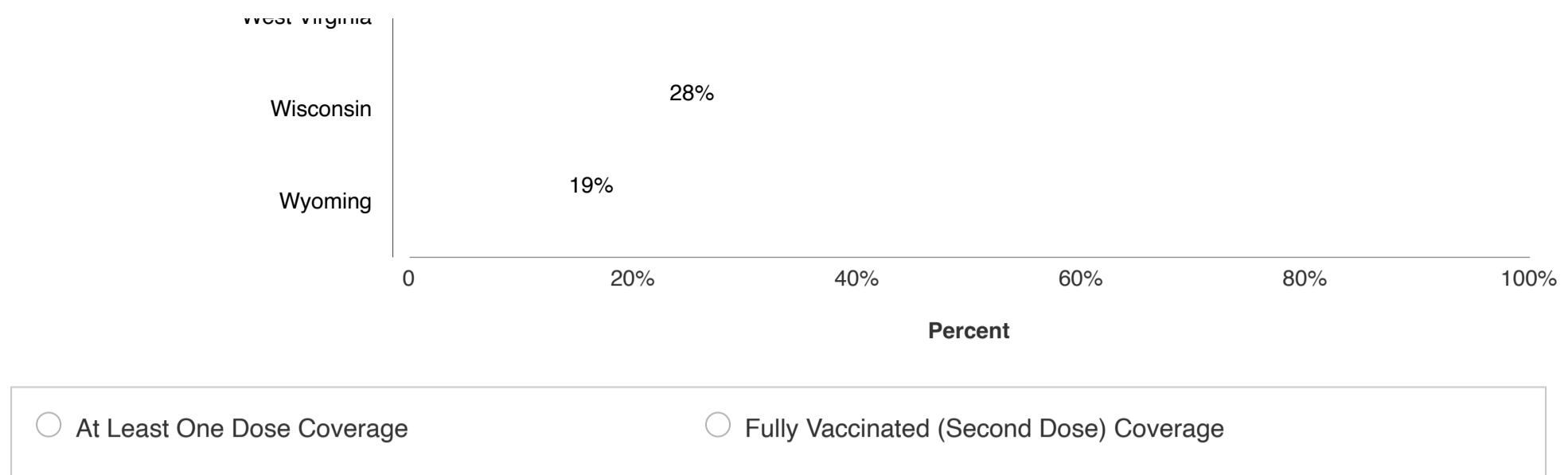
To prevent new cases of mpox and future outbreaks, public health agencies and their partners are strongly encouraged to continue to improve vaccine equity and vaccine coverage among those at risk for mpox and increase the number of people fully vaccinated especially among those overly represented communities of Black and Hispanic or Latino men.

Data will be updated after review and verification, based on data reported to CDC as of every other Tuesday at 4:00 am Eastern Time. Vaccination data on this webpage are updated every two weeks on Wednesdays, generally after 2:00 pm Eastern Time. Updates may be delayed due to delays in reporting (generally due to holidays).

[Mpox Vaccine Coverage by Jurisdiction for Population at Risk for Mpox](#)

Alabama	12%	
Alaska		33%
Arizona		32%
Arkansas	10%	
California		65%
Colorado		41%
Connecticut		46%
Delaware		31%
District of Columbia		96%
Florida	28%	
Georgia		33%
Hawaii		47%
Idaho	17%	
Illinois		53%
Indiana	21%	
Iowa		30%
Kansas	18%	
Kentucky		21%
Louisiana		30%
Maine		32%
Maryland	21%	
Massachusetts		57%
Michigan	20%	
Minnesota		32%
Mississippi	12%	
Missouri		18%





## Data Used for Mpox Vaccine Coverage Figures

### Defining Vaccine Coverage and People at Increased Risk

Mpox vaccine coverage is the estimated proportion of people who have received JYNNEOS vaccination divided by the population recommended to receive the vaccine. This metric helps assess how well the population at risk is protected from mpox. CDC currently recommends mpox vaccination for populations at increased risk of mpox exposure, including gay, bisexual and other men who have sex with men (MSM) with multiple recent sexual partners, MSM with HIV, those with a known or suspected exposure to mpox, women who have a male sexual partner that meets the above criteria, and laboratory and health care workers working with orthopoxviruses. CDC has updated recommendations for [mpox vaccination](#). The number of people eligible for vaccination is estimated from other CDC data sources.

### Defining the Numerator and Denominator

The denominator ([MSM++](#)) is the population recommended to receive the vaccine, which is estimated using 2021 data for MSM with HIV pre-exposure prophylaxis (PrEP) indications and 2020 data for HIV prevalence among MSM from [CDC AtlasPlus](#). The numerator for the vaccination coverage calculation is the number of people vaccinated. Fully vaccinated is defined as people 13 years of age and older who have received two JYNNEOS vaccine doses on different days, regardless of the time interval, and who have been vaccinated with their second dose for at least 14 days. This mpox vaccine administration data are collected by jurisdictional Immunization Information Systems (IIS) and reported to the CDC [Immunization Data Lake](#).

The denominator is the population recommended to receive the vaccine, which is estimated using 2021 data for MSM with HIV pre-exposure prophylaxis (PrEP) indications and 2020 data for HIV prevalence among MSM from [CDC AtlasPlus](#). These estimates are increased by 25% to account for additional vaccine eligible people not captured by these data sources, such as MSM who are at increased risk for mpox but do not have indications for PrEP, cis-female or transgender partners of MSM, close contacts of persons with known or suspected mpox, and persons at risk for occupational exposure to orthopoxviruses.

### Limitations

- For the most complete and up-to-date data for any particular state or city, visit the relevant health department website. The data that CDC has used to estimate denominators are from 2020 and 2021, the most recent publicly available data on a national scale. Health departments may have more recent estimates of populations at risk for mpox for their jurisdictions; this is one reason that local estimates may differ from the CDC estimates. Coverage estimates include assumptions based on national data applied to subnational jurisdictions, and coverage estimates for some jurisdictions might be biased.
- In cases where a person's place of residence was not provided to the vaccination site, the site's location might have been erroneously used for place of residence.

Numerator/denominator data for each jurisdiction

Jurisdiction	Denominator (MSM++) N	First Doses n	First Doses %	Fully Vaccinated n	Fully Vaccinated %
Alabama	21,354	2,646	12	1,490	7
Alaska	2,292	745	33	506	22
Arizona	41,472	13,406	32	8,073	19
Arkansas	9,987	1,041	10	698	7
California	294,265	191,619	65	120,494	41
Colorado	37,201	15,140	41	10,178	27
Connecticut	14,332	6,607	46	4,531	32
Delaware	6,284	1,945	31	1,285	20
District of Columbia	22,325	21,532	96	15,107	68
Florida	199,954	55,252	28	39,353	20
Georgia	83,888	27,892	33	19,174	23
Hawaii	6,607	3,111	47	1,920	29
Idaho	5,721	978	17	688	12
Illinois	84,378	44,375	53	26,232	31
Indiana	30,868	6,564	21	2,814	9
Iowa	6,969	2,072	30	1,429	21
Kansas	7,864	1,423	18	943	12
Kentucky	19,344	4,136	21	2,500	13
Louisiana	29,193	8,848	30	5,612	19
Maine	5,160	1,630	32	1,116	22
Maryland	44,521	9,267	21	5,084	11
Massachusetts	37,109	21,164	57	14,129	38
Michigan	43,136	8,773	20	5,697	13
Minnesota	28,108	8,958	32	6,596	23
Mississippi	11,288	1,308	12	723	6
Missouri	29,363	5,197	18	3,242	11
Montana	2,854	411	14	283	10
Nebraska	3,996	1,370	34	1,165	29
Nevada	21,468	8,286	39	4,612	21
New Hampshire	3,940	822	21	470	12
New Jersey	43,643	13,839	32	8,273	19
New Mexico	10,379	3,168	31	2,141	21

New York (other than New York City)	40,769	21,274	52	12,424	30
New York City	110,897	100,131	90	50,953	46
North Carolina	55,827	14,829	27	10,464	19
North Dakota	1,816	393	22	262	14
Ohio	58,955	11,457	19	8,793	15
Oklahoma	16,451	2,267	14	1,462	9
Oregon	26,255	13,028	50	7,300	28
Pennsylvania (other than Philadelphia)	37,778	10,332	27	6,410	17
Philadelphia	18,762	8,608	46	4,502	24
Puerto Rico	16,371	3,649	22	2,737	17
Rhode Island	5,526	3,374	61	2,520	46
South Carolina	22,587	2,775	12	1,975	9
South Dakota	1,320	292	22	178	13
Tennessee	35,993	5,390	15	3,535	10
Texas	201,491	30,193	15	18,991	9
Utah	9,692	4,476	46	2,953	30
Vermont	1,638	754	46	470	29
Virginia	48,510	13,172	27	9,239	19
Washington	52,104	21,734	42	13,401	26
West Virginia	6,614	512	8	324	5
Wisconsin	18,252	5,131	28	3,657	20
Wyoming	1,168	225	19	176	15

 [Download .csv file](#)  [\[XLS – 2 KB\]](#)