



Mpox

# JYNNEOS Vaccine Coverage by Jurisdiction

Data as of August 22 2023 05:03 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

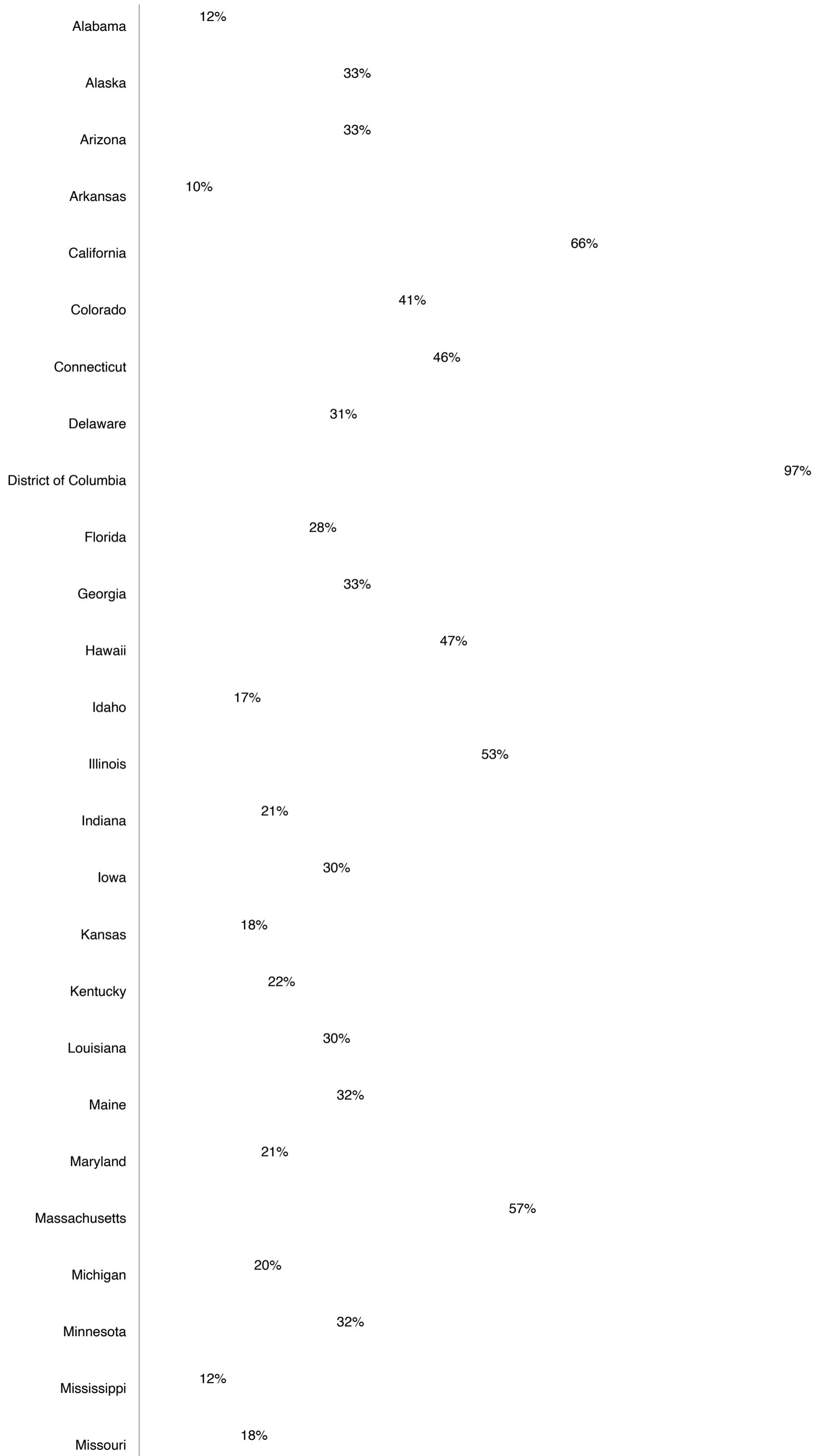
JYNNEOS vaccine (the vaccine used in the current mpox outbreak) is effective at preventing mpox among people at risk of mpox. According to [MMWR, JYNNEOS Vaccination Coverage Among Persons at Risk for Mpox — United States, May 22, 2022–January 31, 2023](#), although approximately 1.2 million vaccine 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.

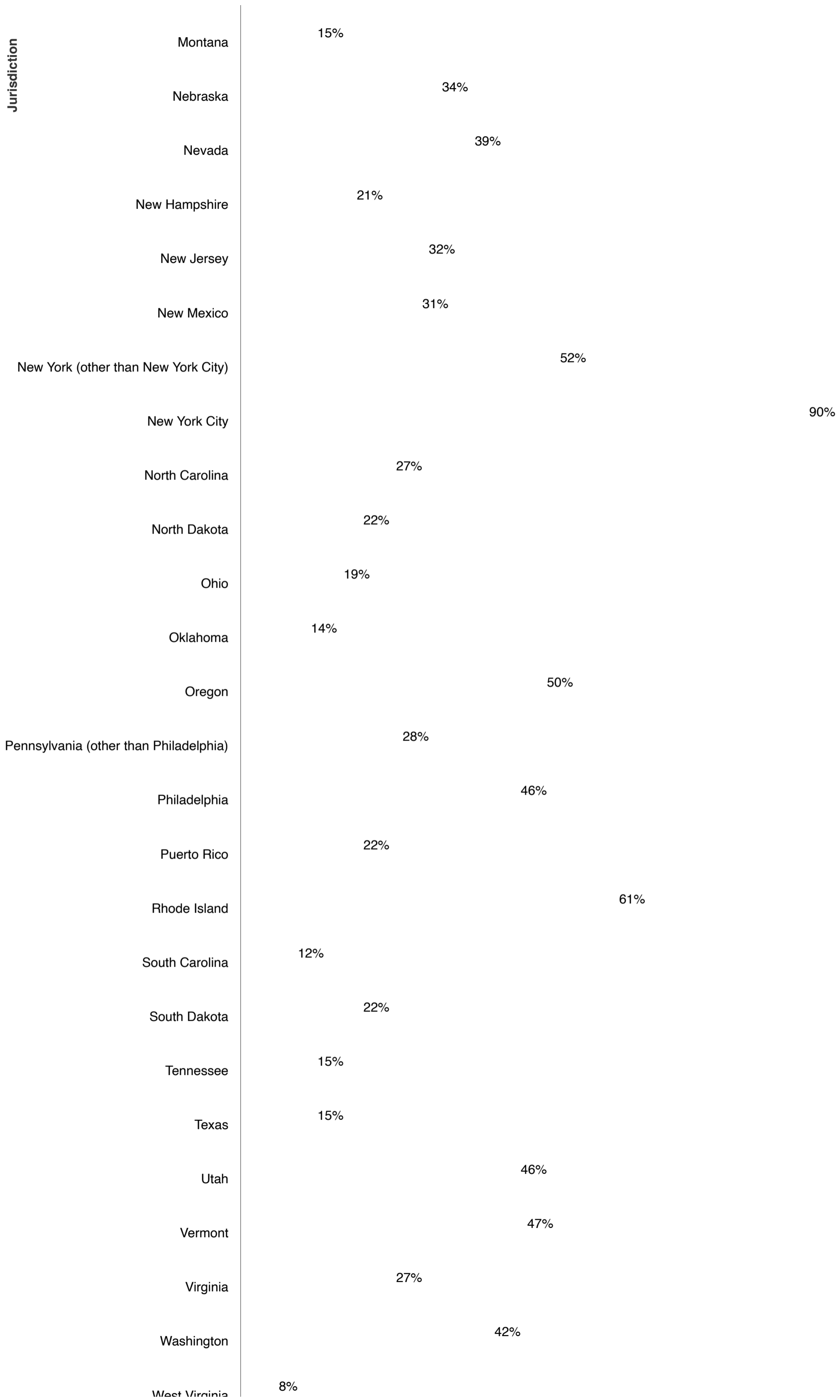
To prevent new cases of mpox and future outbreaks, public health agencies and their partners are strongly encouraged to continue to improve vaccine equity and vaccine coverage among those at risk for mpox and increase the number of people fully vaccinated especially among those overly represented communities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

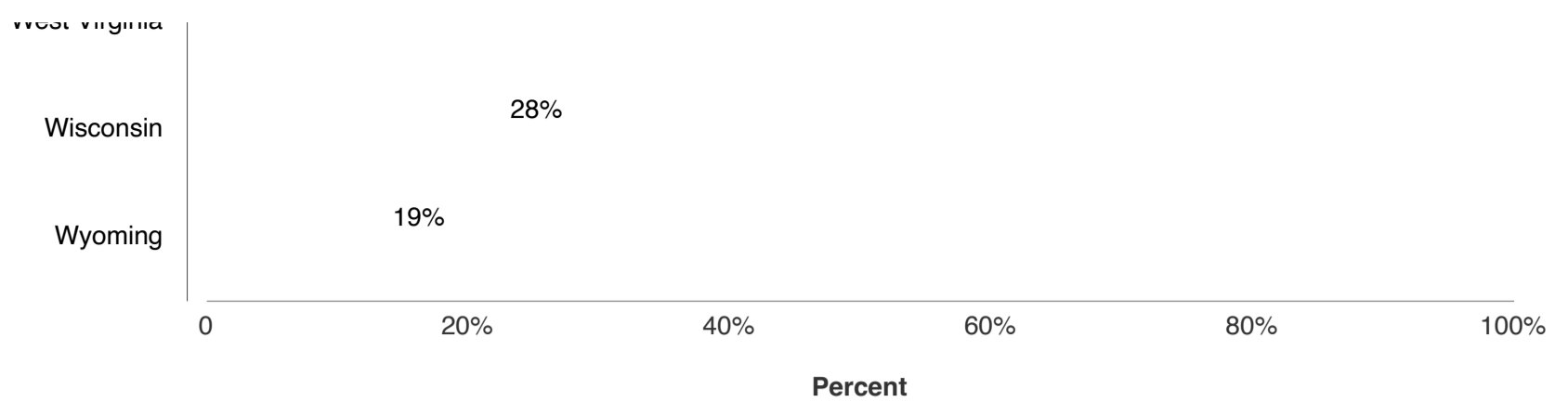
Data will be updated after review and verification, based on data reported to CDC as of every other Tuesday at 4:00 am Eastern Time. Vaccination data on this webpage are updated every two weeks on Wednesdays. Updates may be delayed due to delays in reporting (generally due to holidays).

Mpox Vaccine Coverage by Jurisdiction for Population at Risk for Mpox

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At Least One Dose Coverage

Fully Vaccinated (Second Dose) Coverage

## 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.

Search

Numerator/denominator data for each jurisdiction

Jurisdiction	Denominator (MSM++) N	First Doses n	First Doses %	Fully Vaccinated n	Fully Vaccinated %
Alabama	21,354	2,650	12	1,493	7
Alaska	2,292	750	33	510	22
Arizona	41,472	13,536	33	8,159	20
Arkansas	9,987	1,043	10	701	7
California	294,265	192,821	66	121,414	41
Colorado	37,201	15,215	41	10,251	28
Connecticut	14,332	6,633	46	4,550	32
Delaware	6,284	1,952	31	1,291	21
District of Columbia	22,325	21,551	97	15,127	68
Florida	199,954	55,385	28	39,478	20
Georgia	83,888	27,897	33	19,177	23
Hawaii	6,607	3,119	47	1,922	29
Idaho	5,721	978	17	688	12
Illinois	84,378	44,642	53	26,473	31
Indiana	30,868	6,579	21	2,824	9
Iowa	6,969	2,076	30	1,437	21
Kansas	7,864	1,433	18	952	12
Kentucky	19,344	4,161	22	2,519	13
Louisiana	29,193	8,856	30	5,615	19
Maine	5,160	1,638	32	1,120	22
Maryland	44,521	9,319	21	5,112	11
Massachusetts	37,109	21,294	57	14,227	38
Michigan	43,136	8,799	20	5,732	13
Minnesota	28,108	9,123	32	6,716	24
Mississippi	11,288	1,309	12	723	6
Missouri	29,363	5,226	18	3,258	11
Montana	2,854	423	15	294	10
Nebraska	3,996	1,371	34	1,165	29
Nevada	21,468	8,342	39	4,630	22
New Hampshire	3,940	825	21	479	12
New Jersey	43,643	13,994	32	8,324	19
New Mexico	10,379	3,174	31	2,147	21

New York (other than New York City)	40,769	21,403	52	12,481	31
New York City	110,897	100,358	90	51,161	46
North Carolina	55,827	14,829	27	10,465	19
North Dakota	1,816	406	22	263	14
Ohio	58,955	11,490	19	8,817	15
Oklahoma	16,451	2,284	14	1,491	9
Oregon	26,255	13,124	50	7,389	28
Pennsylvania (other than Philadelphia)	37,778	10,414	28	6,459	17
Philadelphia	18,762	8,659	46	4,547	24
Puerto Rico	16,371	3,672	22	2,760	17
Rhode Island	5,526	3,385	61	2,525	46
South Carolina	22,587	2,775	12	1,976	9
South Dakota	1,320	296	22	179	14
Tennessee	35,993	5,422	15	3,563	10
Texas	201,491	30,346	15	19,053	9
Utah	9,692	4,477	46	2,953	30
Vermont	1,638	764	47	478	29
Virginia	48,510	13,208	27	9,260	19
Washington	52,104	21,888	42	13,552	26
West Virginia	6,614	513	8	324	5
Wisconsin	18,252	5,160	28	3,681	20
Wyoming	1,168	227	19	177	15

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