



## Mpox

# JYNNEOS Vaccine Coverage by Jurisdiction

Data as of June 20 2023 4:00 AM 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

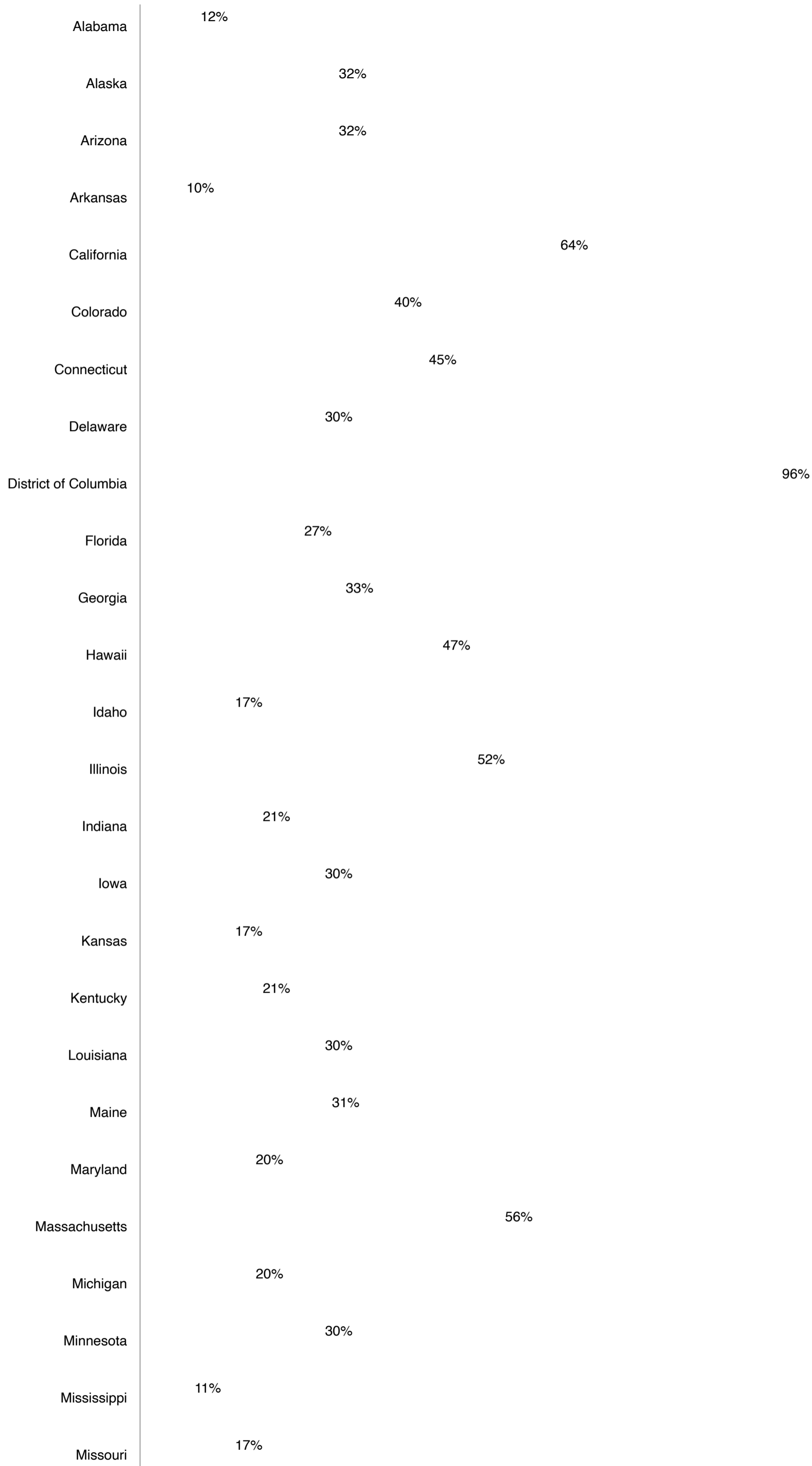
JYNNEOS vaccine (the vaccine used in the current mpox outbreak) is effective at preventing mpox among people at risk of mpox. According to [MMWR, JYNNEOS Vaccination Coverage Among Persons at Risk for Mpox — United States, May 22, 2022–January 31, 2023](#), although approximately 1.2 million vaccine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

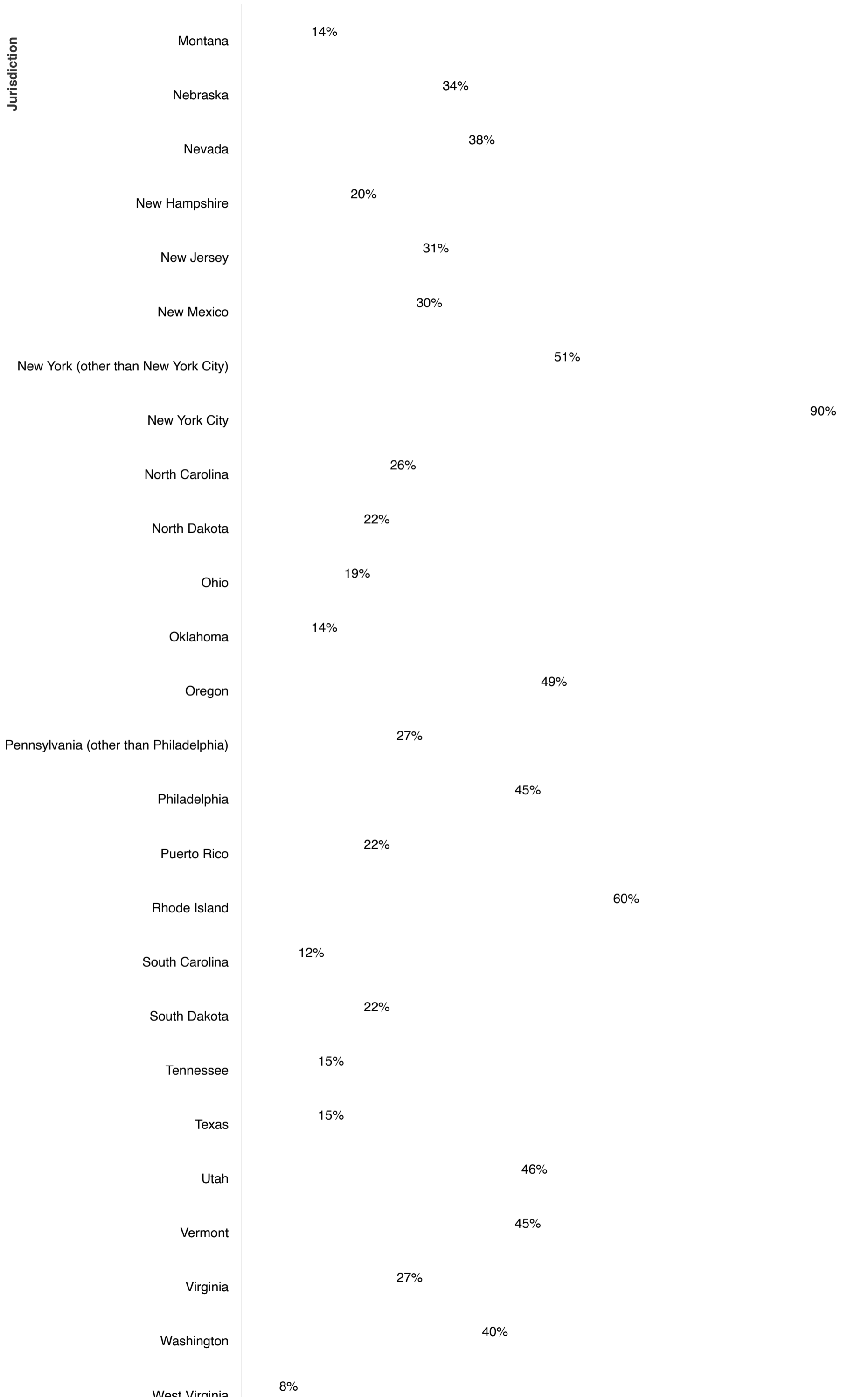
To prevent new cases of mpox and future outbreaks, public health agencies and their partners are strongly encouraged to continue to improve vaccine equity and vaccine coverage among those at risk for mpox and increase the number of people fully vaccinated especially among those overly represented communities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

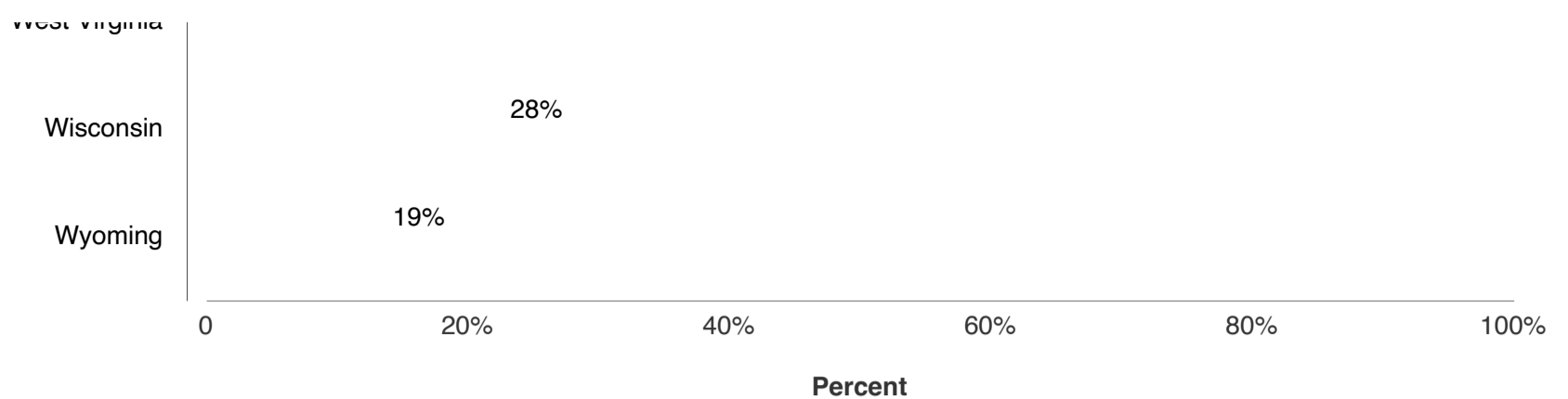
Data will be updated after review and verification, based on data reported to CDC as of every other Tuesday at 4:00 am Eastern Time. Vaccination data on this webpage are updated every two weeks on Wednesdays, generally after 2:00 pm Eastern Time. Updates may be delayed due to delays in reporting (generally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

Mpox Vaccine Coverage by Jurisdiction for Population at Risk for Mpox

---







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	2,595	12	1,477	7
Alaska	2,292	734	32	498	22
Arizona	41,472	13,112	32	7,878	19
Arkansas	9,987	1,045	10	693	7
California	294,264	188,188	64	117,468	40
Colorado	37,201	15,018	40	10,083	27
Connecticut	14,332	6,498	45	4,428	31
Delaware	6,284	1,902	30	1,257	20
District of Columbia	22,325	21,361	96	14,984	67
Florida	199,954	54,795	27	39,093	20
Georgia	83,888	27,896	33	19,179	23
Hawaii	6,607	3,107	47	1,911	29
Idaho	5,721	995	17	691	12
Illinois	84,379	43,744	52	25,451	30
Indiana	30,868	6,524	21	2,770	9
Iowa	6,969	2,056	30	1,413	20
Kansas	7,864	1,332	17	895	11
Kentucky	19,344	4,053	21	2,465	13
Louisiana	29,193	8,801	30	5,583	19
Maine	5,160	1,609	31	1,108	21
Maryland	44,521	9,069	20	4,951	11
Massachusetts	37,109	20,884	56	13,839	37
Michigan	43,136	8,603	20	5,582	13
Minnesota	28,108	8,320	30	6,319	22
Mississippi	11,288	1,279	11	724	6
Missouri	29,363	5,039	17	3,103	11
Montana	2,854	404	14	283	10
Nebraska	3,996	1,364	34	1,166	29
Nevada	21,468	8,231	38	4,561	21
New Hampshire	3,940	801	20	461	12
New Jersey	43,643	13,312	31	8,168	19
New Mexico	10,379	3,136	30	2,125	20

New York (other than New York City)	40,769	20,958	51	12,215	30
New York City	110,897	99,628	90	50,477	46
North Carolina	55,827	14,723	26	10,354	19
North Dakota	1,816	391	22	260	14
Ohio	58,955	11,348	19	8,684	15
Oklahoma	16,451	2,257	14	1,453	9
Oregon	26,255	12,747	49	7,091	27
Pennsylvania (other than Philadelphia)	37,778	10,144	27	6,297	17
Philadelphia	18,762	8,384	45	4,310	23
Puerto Rico	16,371	3,604	22	2,702	17
Rhode Island	5,526	3,339	60	2,499	45
South Carolina	22,587	2,760	12	1,965	9
South Dakota	1,320	286	22	177	13
Tennessee	35,993	5,247	15	3,454	10
Texas	201,491	30,407	15	19,051	9
Utah	9,692	4,460	46	2,953	30
Vermont	1,638	732	45	456	28
Virginia	48,510	13,036	27	9,147	19
Washington	52,104	21,046	40	12,980	25
West Virginia	6,614	503	8	324	5
Wisconsin	18,252	5,031	28	3,594	20
Wyoming	1,168	224	19	176	15

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