



Mpox

JYNNEOS Vaccine Coverage by Jurisdiction

Data as of November 28 2023 05:02 PM EST

Starting in September 2023, the data will be updated once per month.

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

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.

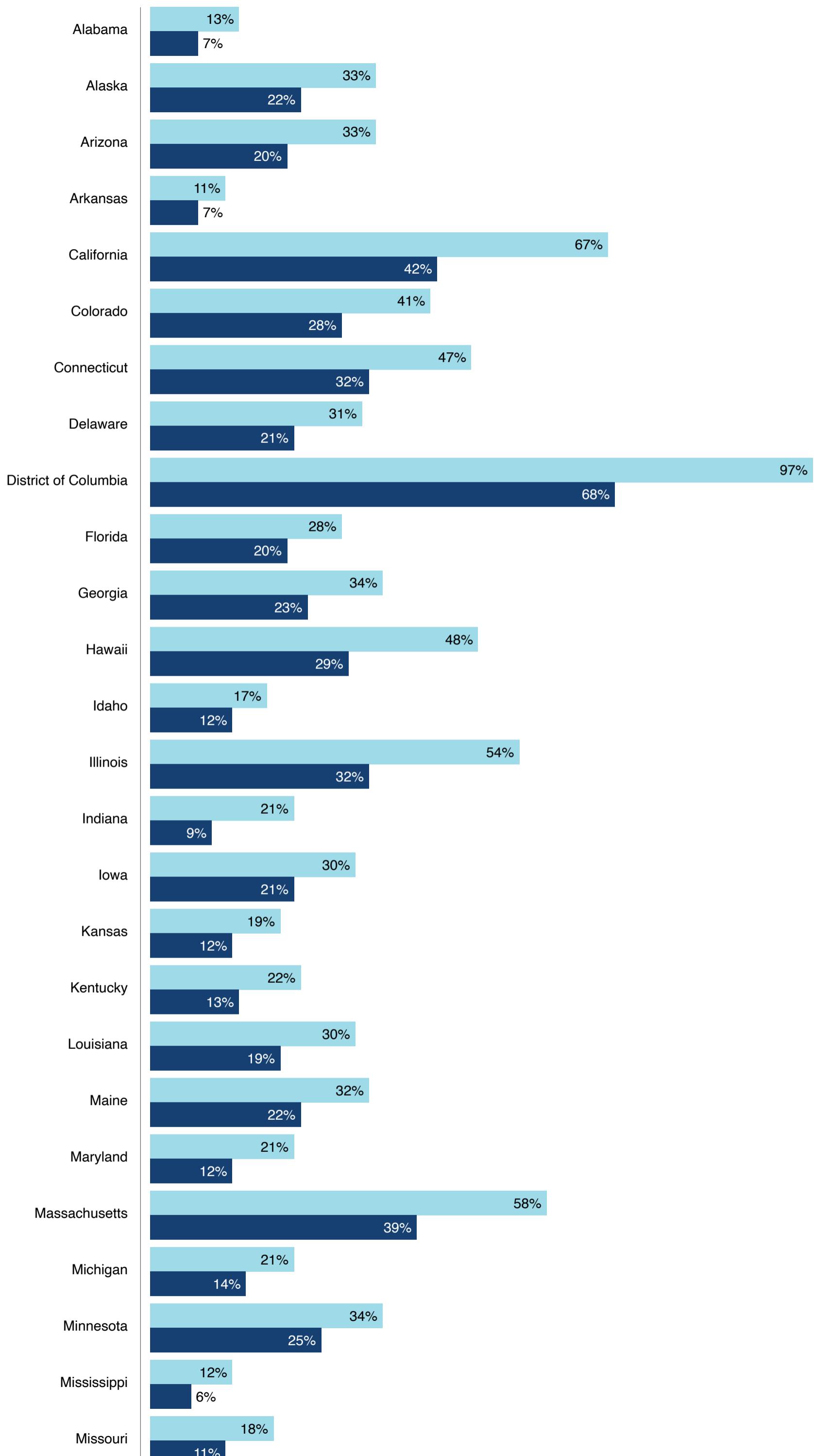
Overview

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.

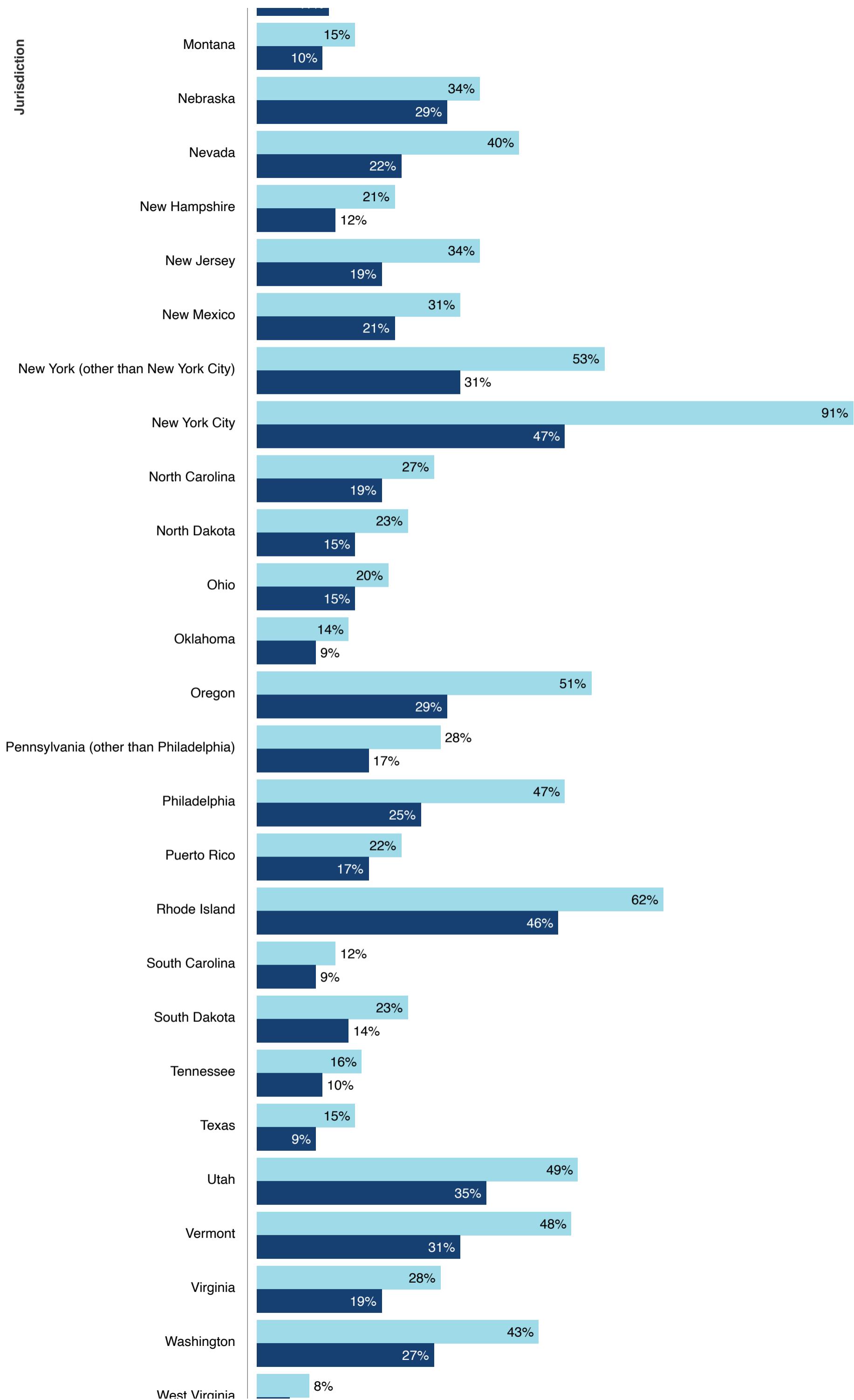
To prevent new cases of mpox and future outbreaks, public health agencies and their partners are strongly encouraged to continue to improve vaccine equity and vaccine coverage among those at risk for mpox and increase the number of people fully vaccinated especially among those overrepresented communities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

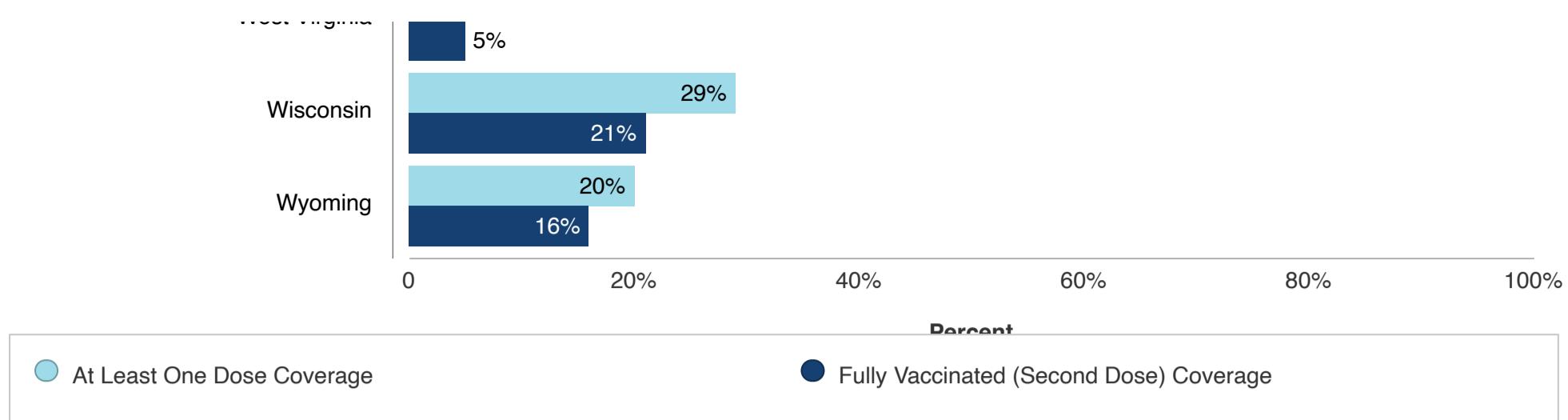
Data will be updated **once per month** after they are reviewed and verified. Updates may be delayed due to delays in reporting (generally due to holidays).

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



Jurisdiction





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	2,674	13	1,504	7
Alaska	2,292	755	33	510	22
Arizona	41,472	13,828	33	8,443	20
Arkansas	9,987	1,053	11	710	7
California	294,265	197,679	67	124,657	42
Colorado	37,201	15,386	41	10,418	28
Connecticut	14,332	6,762	47	4,593	32
Delaware	6,284	1,962	31	1,302	21
District of Columbia	22,325	21,617	97	15,205	68
Florida	199,954	55,841	28	39,786	20
Georgia	83,888	28,391	34	19,540	23
Hawaii	6,607	3,148	48	1,936	29
Idaho	5,721	982	17	690	12
Illinois	84,378	45,610	54	27,279	32
Indiana	30,868	6,609	21	2,841	9
Iowa	6,969	2,087	30	1,448	21
Kansas	7,864	1,459	19	973	12
Kentucky	19,344	4,253	22	2,569	13
Louisiana	29,193	8,898	30	5,629	19
Maine	5,160	1,674	32	1,141	22
Maryland	44,521	9,404	21	5,169	12
Massachusetts	37,109	21,676	58	14,551	39
Michigan	43,136	8,921	21	5,861	14
Minnesota	28,108	9,486	34	7,034	25
Mississippi	11,288	1,329	12	725	6
Missouri	29,363	5,283	18	3,306	11
Montana	2,854	428	15	298	10
Nebraska	3,996	1,374	34	1,167	29
Nevada	21,468	8,497	40	4,710	22
New Hampshire	3,940	836	21	487	12
New Jersey	43,643	14,736	34	8,473	19
New Mexico	10,379	3,213	31	2,170	21

New York (other than New York City)	40,769	21,715	53	12,692	31
New York City	110,897	100,774	91	51,631	47
North Carolina	55,827	14,908	27	10,537	19
North Dakota	1,816	410	23	274	15
Ohio	58,955	11,602	20	8,902	15
Oklahoma	16,451	2,291	14	1,499	9
Oregon	26,255	13,318	51	7,529	29
Pennsylvania (other than Philadelphia)	37,778	10,641	28	6,591	17
Philadelphia	18,762	8,762	47	4,628	25
Puerto Rico	16,371	3,676	22	2,769	17
Rhode Island	5,526	3,413	62	2,558	46
South Carolina	22,587	2,782	12	1,981	9
South Dakota	1,320	306	23	184	14
Tennessee	35,993	5,591	16	3,610	10
Texas	201,491	30,487	15	19,123	9
Utah	9,692	4,761	49	3,359	35
Vermont	1,638	787	48	505	31
Virginia	48,510	13,379	28	9,387	19
Washington	52,104	22,454	43	14,040	27
West Virginia	6,614	520	8	326	5
Wisconsin	18,252	5,262	29	3,780	21
Wyoming	1,168	232	20	182	16

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