



Mpox

JYNNEOS Vaccine Coverage by Jurisdiction

Data as of January 09 2024 05:03 PM EST

As of January 10, 2024, this data will no longer be updated.

[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.

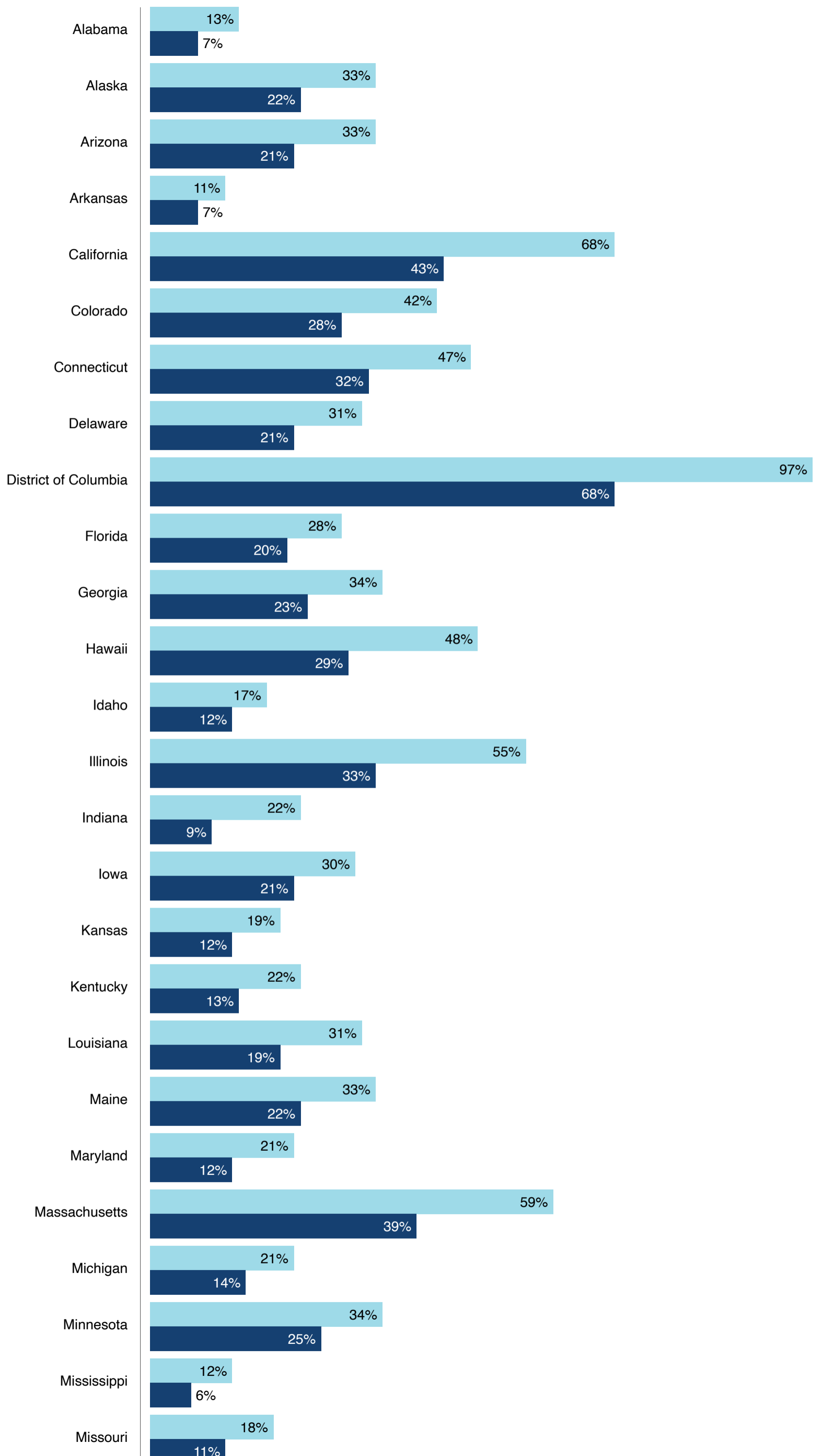
Overview

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.

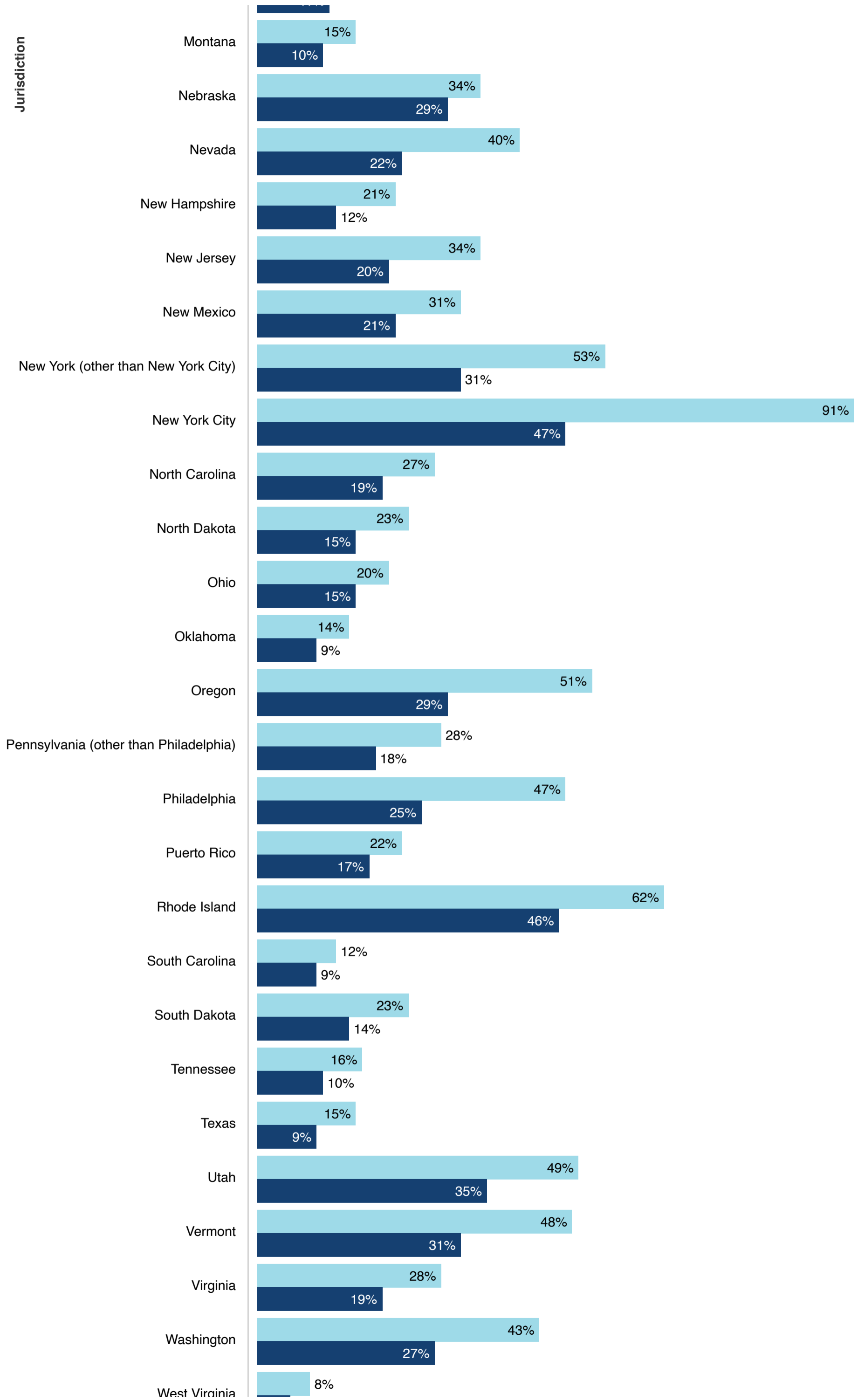
To prevent new cases of mpox and future outbreaks, public health agencies and their partners are strongly encouraged to continue to improve vaccine equity and vaccine coverage among those at risk for mpox and increase the number of people fully vaccinated especially among those overly represented communities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

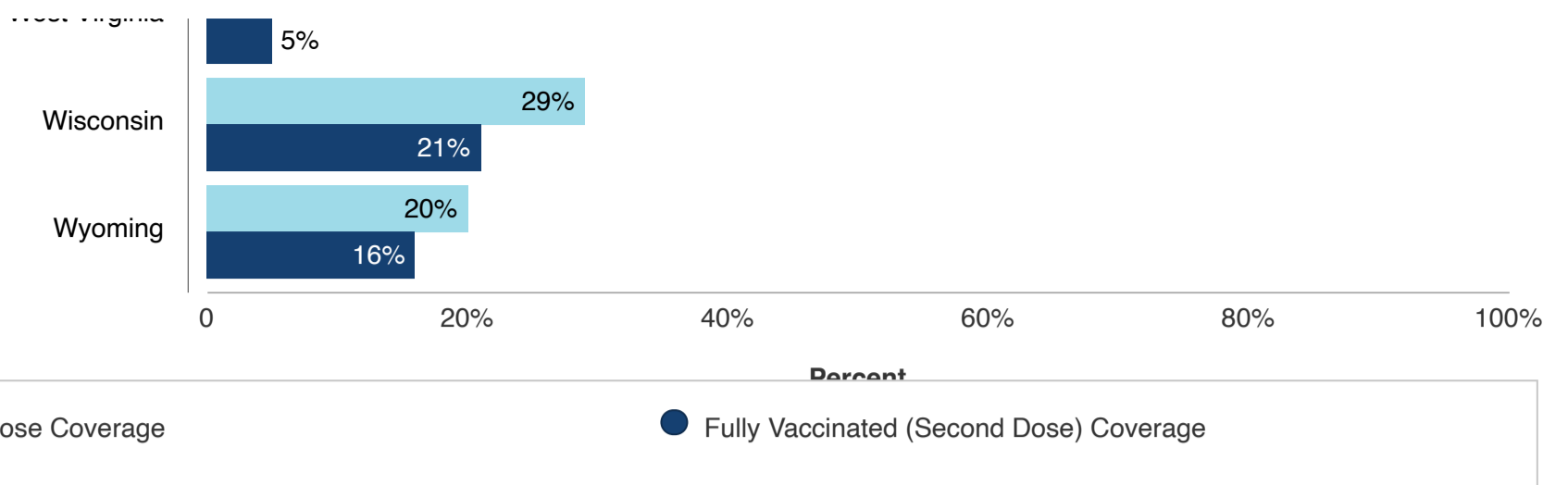
Data will be updated **once per month** after they are reviewed and verified. Updates may be delayed due to delays in reporting (generally due to holidays).

Mpox Vaccine Coverage by Jurisdiction for Population at Risk for Mpox



Jurisdiction





Data Used for Mpxv Vaccine Coverage Figures

Defining Vaccine Coverage and People at Increased Risk

Mpxv 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 mpxv. CDC currently recommends mpxv vaccination for populations at increased risk of mpxv 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 mpxv, 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 mpxv 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 mpxv but do not have indications for PrEP, cis-female or transgender partners of MSM, close contacts of persons with known or suspected mpxv, 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 mpxv 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	2,682	13	1,506	7
Alaska	2,292	759	33	511	22
Arizona	41,472	13,884	33	8,527	21
Arkansas	9,987	1,055	11	712	7
California	294,265	198,871	68	125,485	43
Colorado	37,201	15,441	42	10,452	28
Connecticut	14,332	6,781	47	4,606	32
Delaware	6,284	1,963	31	1,302	21
District of Columbia	22,325	21,617	97	15,205	68
Florida	199,954	56,604	28	40,279	20
Georgia	83,888	28,450	34	19,582	23
Hawaii	6,607	3,151	48	1,939	29
Idaho	5,721	982	17	690	12
Illinois	84,378	46,099	55	27,638	33
Indiana	30,868	6,641	22	2,872	9
Iowa	6,969	2,091	30	1,450	21
Kansas	7,864	1,461	19	977	12
Kentucky	19,344	4,273	22	2,587	13
Louisiana	29,193	8,913	31	5,638	19
Maine	5,160	1,680	33	1,147	22
Maryland	44,521	9,417	21	5,169	12
Massachusetts	37,109	21,780	59	14,650	39
Michigan	43,136	8,942	21	5,875	14
Minnesota	28,108	9,571	34	7,086	25
Mississippi	11,288	1,329	12	726	6
Missouri	29,363	5,319	18	3,339	11
Montana	2,854	428	15	298	10
Nebraska	3,996	1,374	34	1,168	29
Nevada	21,468	8,549	40	4,753	22
New Hampshire	3,940	841	21	487	12
New Jersey	43,643	14,939	34	8,534	20
New Mexico	10,379	3,214	31	2,170	21

New York (other than New York City)	40,769	21,791	53	12,728	31
New York City	110,897	100,882	91	51,743	47
North Carolina	55,827	14,908	27	10,538	19
North Dakota	1,816	411	23	275	15
Ohio	58,955	11,616	20	8,913	15
Oklahoma	16,451	2,291	14	1,499	9
Oregon	26,255	13,458	51	7,581	29
Pennsylvania (other than Philadelphia)	37,778	10,678	28	6,614	18
Philadelphia	18,762	8,771	47	4,631	25
Puerto Rico	16,371	3,676	22	2,769	17
Rhode Island	5,526	3,417	62	2,561	46
South Carolina	22,587	2,784	12	1,981	9
South Dakota	1,320	306	23	186	14
Tennessee	35,993	5,625	16	3,620	10
Texas	201,491	30,489	15	19,126	9
Utah	9,692	4,761	49	3,359	35
Vermont	1,638	794	48	509	31
Virginia	48,510	13,400	28	9,396	19
Washington	52,104	22,622	43	14,198	27
West Virginia	6,614	523	8	327	5
Wisconsin	18,252	5,282	29	3,802	21
Wyoming	1,168	232	20	182	16

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