



Mpox

JYNNEOS Vaccine Coverage by Jurisdiction

Data as of July 18 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.

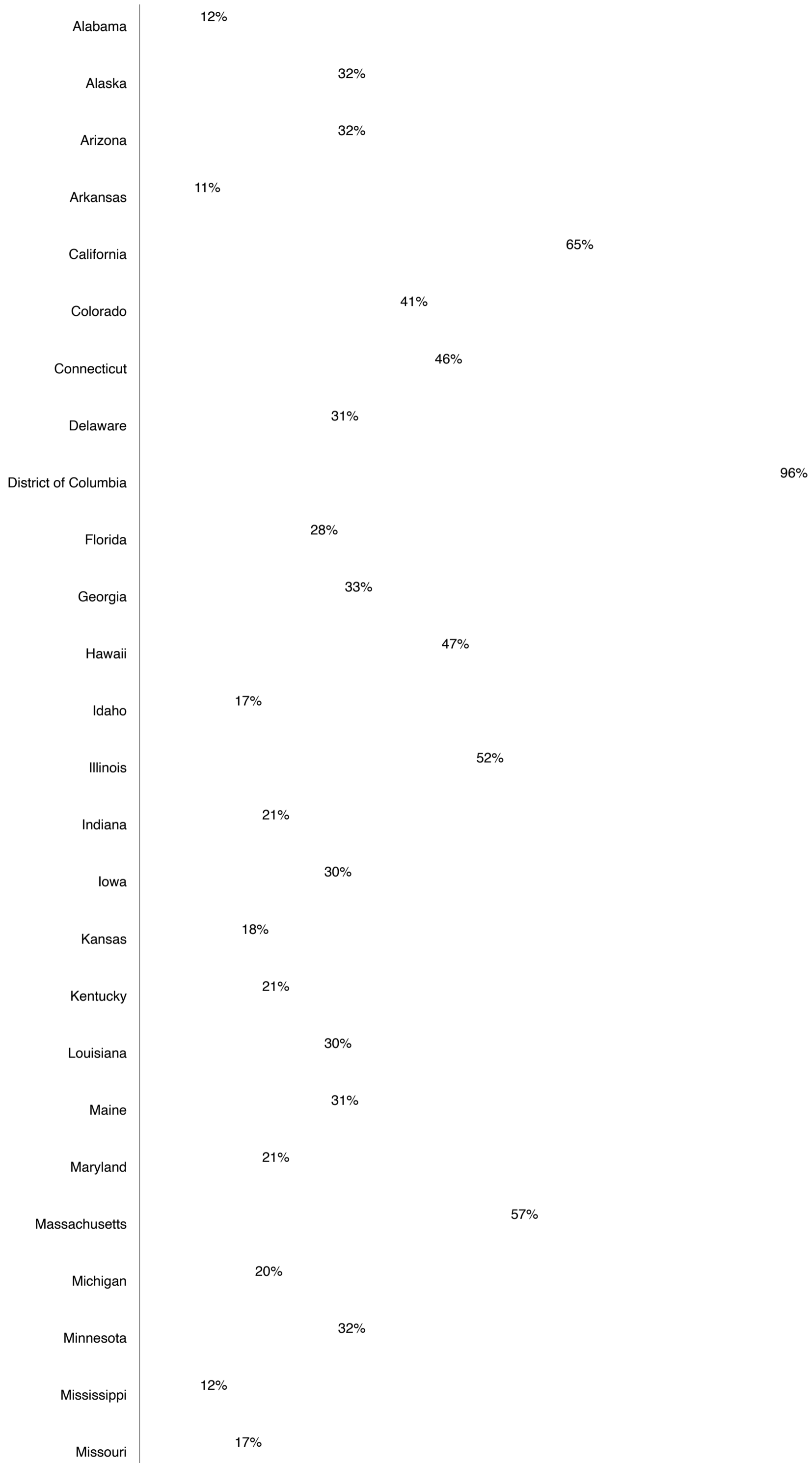
Overview

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.

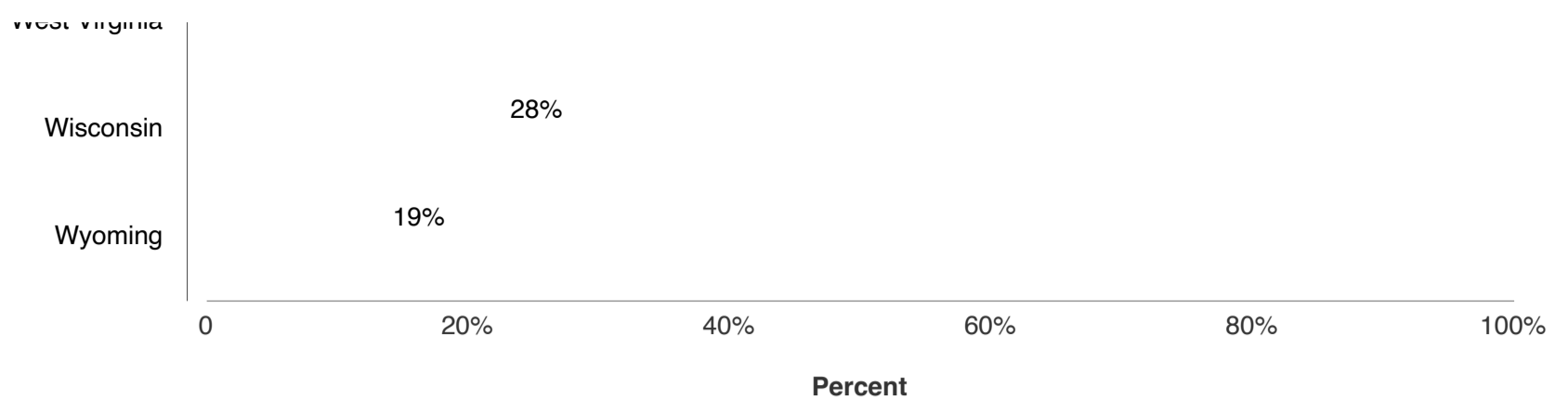
Data will be updated after review and verification, based on data reported to CDC as of every other Tuesday at 4:00 am Eastern Time. Vaccination data on this webpage are updated every two weeks on Wednesdays, generally after 2:00 pm Eastern Time. Updates may be delayed due to delays in reporting (generally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

Mpox Vaccine Coverage by Jurisdiction for Population at Risk for Mpox



Jurisdiction

Montana	14%
Nebraska	34%
Nevada	38%
New Hampshire	21%
New Jersey	31%
New Mexico	31%
New York (other than New York City)	52%
New York City	90%
North Carolina	26%
North Dakota	22%
Ohio	19%
Oklahoma	14%
Oregon	49%
Pennsylvania (other than Philadelphia)	27%
Philadelphia	45%
Puerto Rico	22%
Rhode Island	61%
South Carolina	12%
South Dakota	22%
Tennessee	15%
Texas	15%
Utah	46%
Vermont	46%
Virginia	27%
Washington	41%
West Virginia	8%



At Least One Dose Coverage

Fully Vaccinated (Second Dose) Coverage

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	2,641	12	1,486	7
Alaska	2,292	743	32	503	22
Arizona	41,472	13,305	32	8,008	19
Arkansas	9,987	1,050	11	698	7
California	294,264	190,194	65	118,995	40
Colorado	37,201	15,133	41	10,167	27
Connecticut	14,332	6,593	46	4,497	31
Delaware	6,284	1,941	31	1,272	20
District of Columbia	22,325	21,490	96	15,058	67
Florida	199,954	55,176	28	39,232	20
Georgia	83,888	27,901	33	19,180	23
Hawaii	6,607	3,108	47	1,919	29
Idaho	5,721	995	17	691	12
Illinois	84,379	44,160	52	25,900	31
Indiana	30,868	6,543	21	2,785	9
Iowa	6,969	2,069	30	1,423	20
Kansas	7,864	1,410	18	907	12
Kentucky	19,344	4,126	21	2,487	13
Louisiana	29,193	8,840	30	5,599	19
Maine	5,160	1,625	31	1,113	22
Maryland	44,521	9,209	21	5,014	11
Massachusetts	37,109	21,077	57	13,982	38
Michigan	43,136	8,712	20	5,642	13
Minnesota	28,108	8,860	32	6,448	23
Mississippi	11,288	1,313	12	724	6
Missouri	29,363	5,131	17	3,197	11
Montana	2,854	411	14	283	10
Nebraska	3,996	1,366	34	1,166	29
Nevada	21,468	8,261	38	4,591	21
New Hampshire	3,940	812	21	464	12
New Jersey	43,643	13,578	31	8,199	19
New Mexico	10,379	3,167	31	2,137	21

New York (other than New York City)	40,769	21,222	52	12,327	30
New York City	110,897	100,091	90	50,809	46
North Carolina	55,827	14,770	26	10,403	19
North Dakota	1,816	395	22	262	14
Ohio	58,955	11,424	19	8,746	15
Oklahoma	16,451	2,272	14	1,460	9
Oregon	26,255	12,943	49	7,203	27
Pennsylvania (other than Philadelphia)	37,778	10,261	27	6,364	17
Philadelphia	18,762	8,535	45	4,415	24
Puerto Rico	16,371	3,633	22	2,718	17
Rhode Island	5,526	3,368	61	2,511	45
South Carolina	22,587	2,764	12	1,967	9
South Dakota	1,320	290	22	177	13
Tennessee	35,993	5,326	15	3,489	10
Texas	201,491	30,621	15	19,148	10
Utah	9,692	4,464	46	2,953	30
Vermont	1,638	746	46	457	28
Virginia	48,510	13,128	27	9,200	19
Washington	52,104	21,508	41	13,191	25
West Virginia	6,614	511	8	324	5
Wisconsin	18,252	5,097	28	3,629	20
Wyoming	1,168	224	19	176	15

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