



Mpox

JYNNEOS Vaccine Coverage by Jurisdiction

Data as of August 08 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.

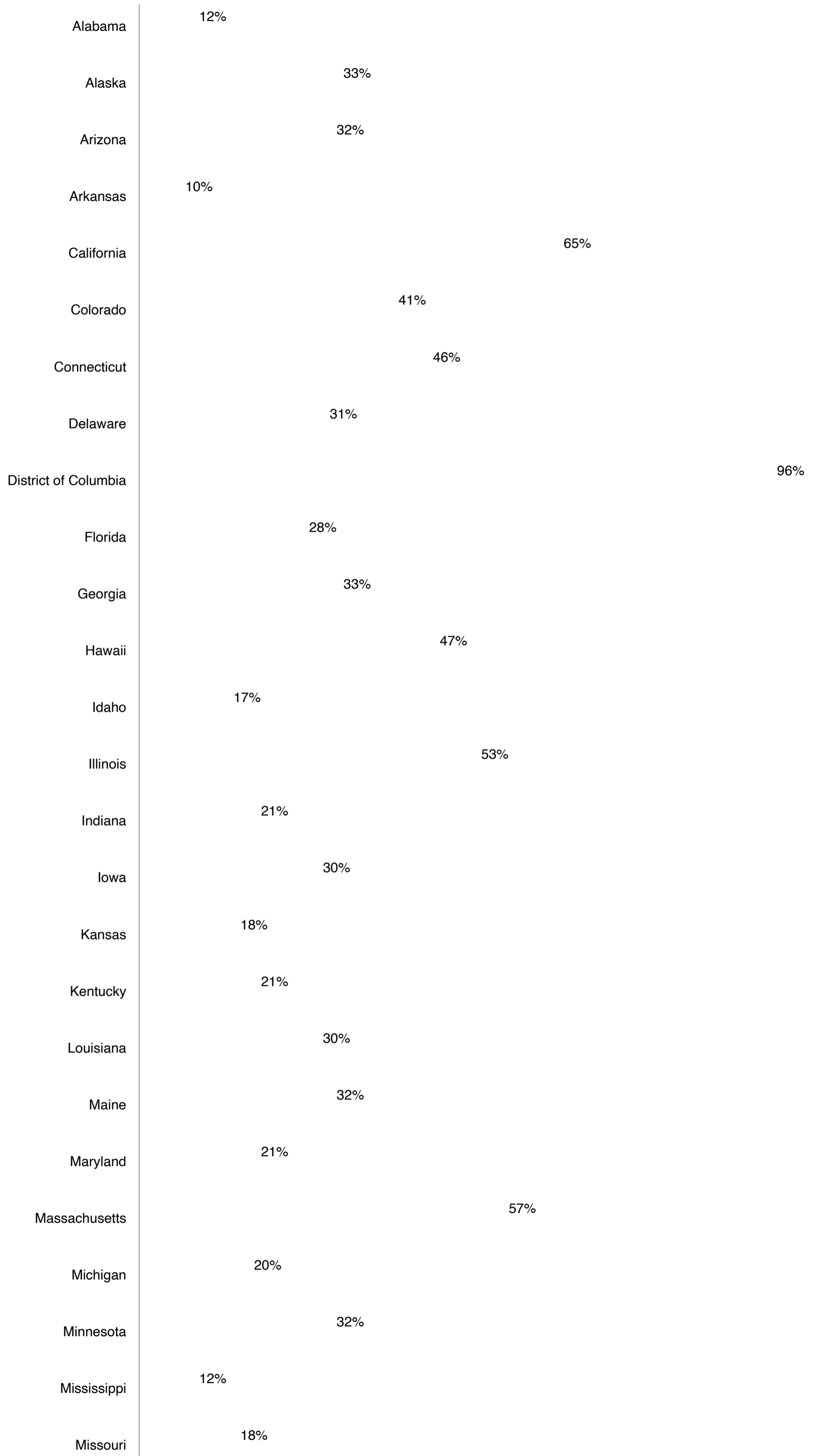
Overview

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.

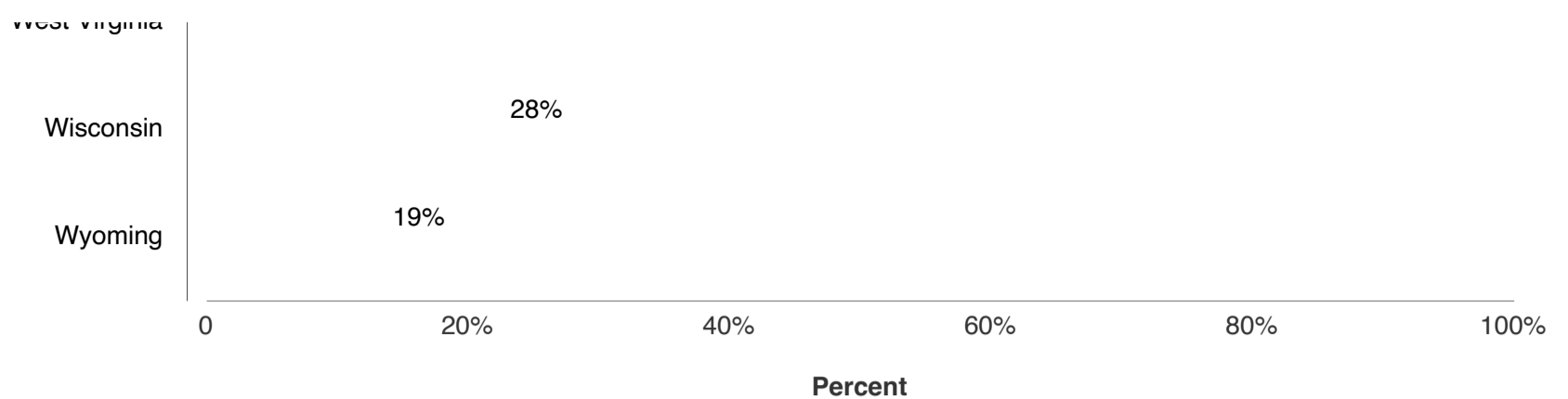
To prevent new cases of mpox and future outbreaks, public health agencies and their partners are strongly encouraged to continue to improve vaccine equity and vaccine coverage among those at risk for mpox and increase the number of people fully vaccinated especially among those overly represented communities 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. 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	Percentage
Montana	14%
Nebraska	34%
Nevada	39%
New Hampshire	21%
New Jersey	32%
New Mexico	31%
New York (other than New York City)	52%
New York City	90%
North Carolina	27%
North Dakota	22%
Ohio	19%
Oklahoma	14%
Oregon	50%
Pennsylvania (other than Philadelphia)	27%
Philadelphia	46%
Puerto Rico	22%
Rhode Island	61%
South Carolina	12%
South Dakota	22%
Tennessee	15%
Texas	15%
Utah	46%
Vermont	46%
Virginia	27%
Washington	42%
West Virginia	8%



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	2,647	12	1,491	7
Alaska	2,292	749	33	509	22
Arizona	41,472	13,427	32	8,109	20
Arkansas	9,987	1,042	10	698	7
California	294,265	192,069	65	120,786	41
Colorado	37,201	15,215	41	10,251	28
Connecticut	14,332	6,618	46	4,542	32
Delaware	6,284	1,947	31	1,288	20
District of Columbia	22,325	21,541	96	15,116	68
Florida	199,954	55,292	28	39,396	20
Georgia	83,888	27,895	33	19,175	23
Hawaii	6,607	3,114	47	1,921	29
Idaho	5,721	978	17	688	12
Illinois	84,378	44,478	53	26,329	31
Indiana	30,868	6,571	21	2,817	9
Iowa	6,969	2,074	30	1,432	21
Kansas	7,864	1,425	18	943	12
Kentucky	19,344	4,136	21	2,500	13
Louisiana	29,193	8,849	30	5,612	19
Maine	5,160	1,630	32	1,118	22
Maryland	44,521	9,293	21	5,093	11
Massachusetts	37,109	21,207	57	14,165	38
Michigan	43,136	8,795	20	5,732	13
Minnesota	28,108	8,981	32	6,623	24
Mississippi	11,288	1,309	12	723	6
Missouri	29,363	5,208	18	3,251	11
Montana	2,854	411	14	283	10
Nebraska	3,996	1,370	34	1,165	29
Nevada	21,468	8,326	39	4,618	22
New Hampshire	3,940	822	21	473	12
New Jersey	43,643	13,874	32	8,281	19
New Mexico	10,379	3,171	31	2,143	21

New York (other than New York City)	40,769	21,315	52	12,441	31
New York City	110,897	100,234	90	51,061	46
North Carolina	55,827	14,829	27	10,465	19
North Dakota	1,816	397	22	262	14
Ohio	58,955	11,470	19	8,804	15
Oklahoma	16,451	2,275	14	1,473	9
Oregon	26,255	13,062	50	7,336	28
Pennsylvania (other than Philadelphia)	37,778	10,356	27	6,416	17
Philadelphia	18,762	8,618	46	4,511	24
Puerto Rico	16,371	3,668	22	2,739	17
Rhode Island	5,526	3,379	61	2,523	46
South Carolina	22,587	2,775	12	1,976	9
South Dakota	1,320	294	22	179	14
Tennessee	35,993	5,402	15	3,545	10
Texas	201,491	30,194	15	18,991	9
Utah	9,692	4,476	46	2,953	30
Vermont	1,638	754	46	470	29
Virginia	48,510	13,196	27	9,250	19
Washington	52,104	21,788	42	13,457	26
West Virginia	6,614	512	8	324	5
Wisconsin	18,252	5,139	28	3,667	20
Wyoming	1,168	225	19	177	15

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