



Mpox

JYNNEOS Vaccine Coverage by Jurisdiction

Data as of September 26 2023 05:03 PM EDT

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

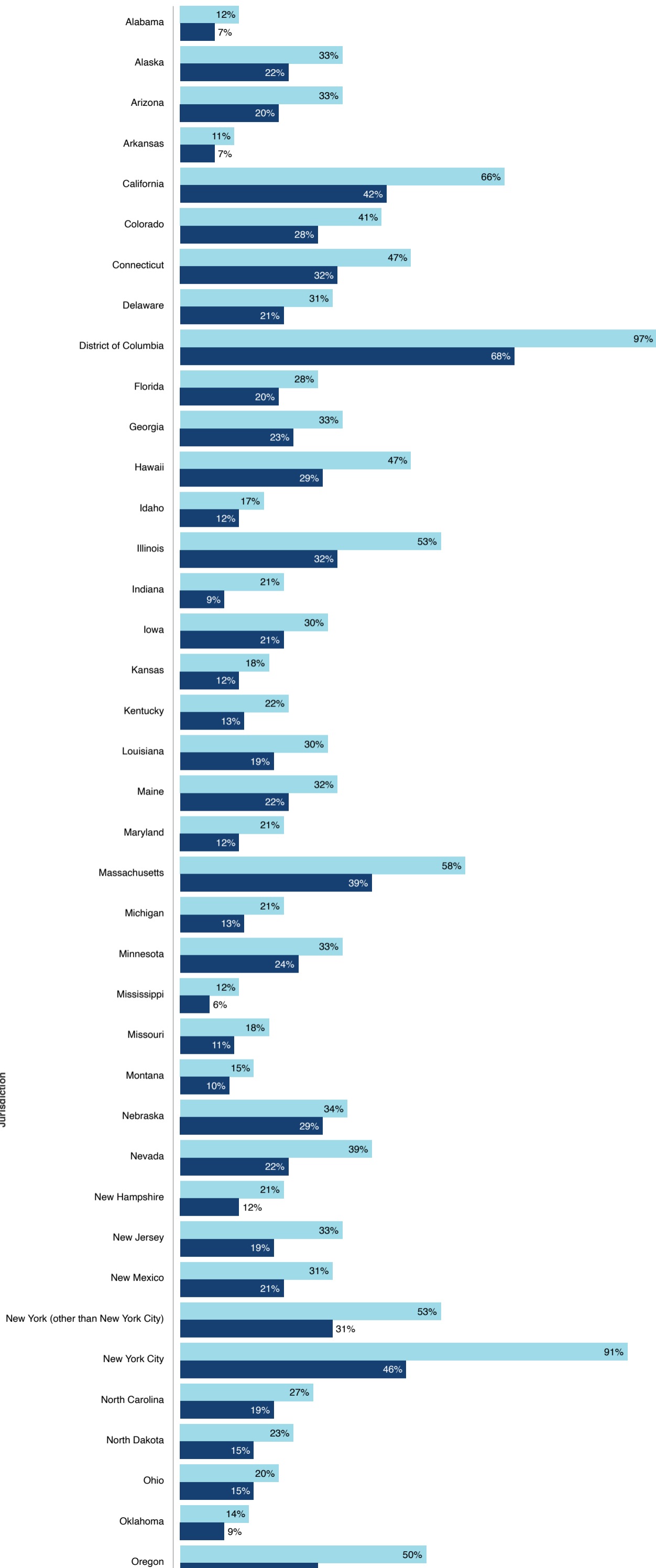
JYNNEOS vaccine (the vaccine used in the current mpox outbreak) is effective at preventing mpox among people at risk of mpox. According to [MMWR, JYNNEOS Vaccination Coverage Among Persons at Risk for Mpox — United States, May 22, 2022–January 31, 2023](#), although approximately 1.2 million vaccine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

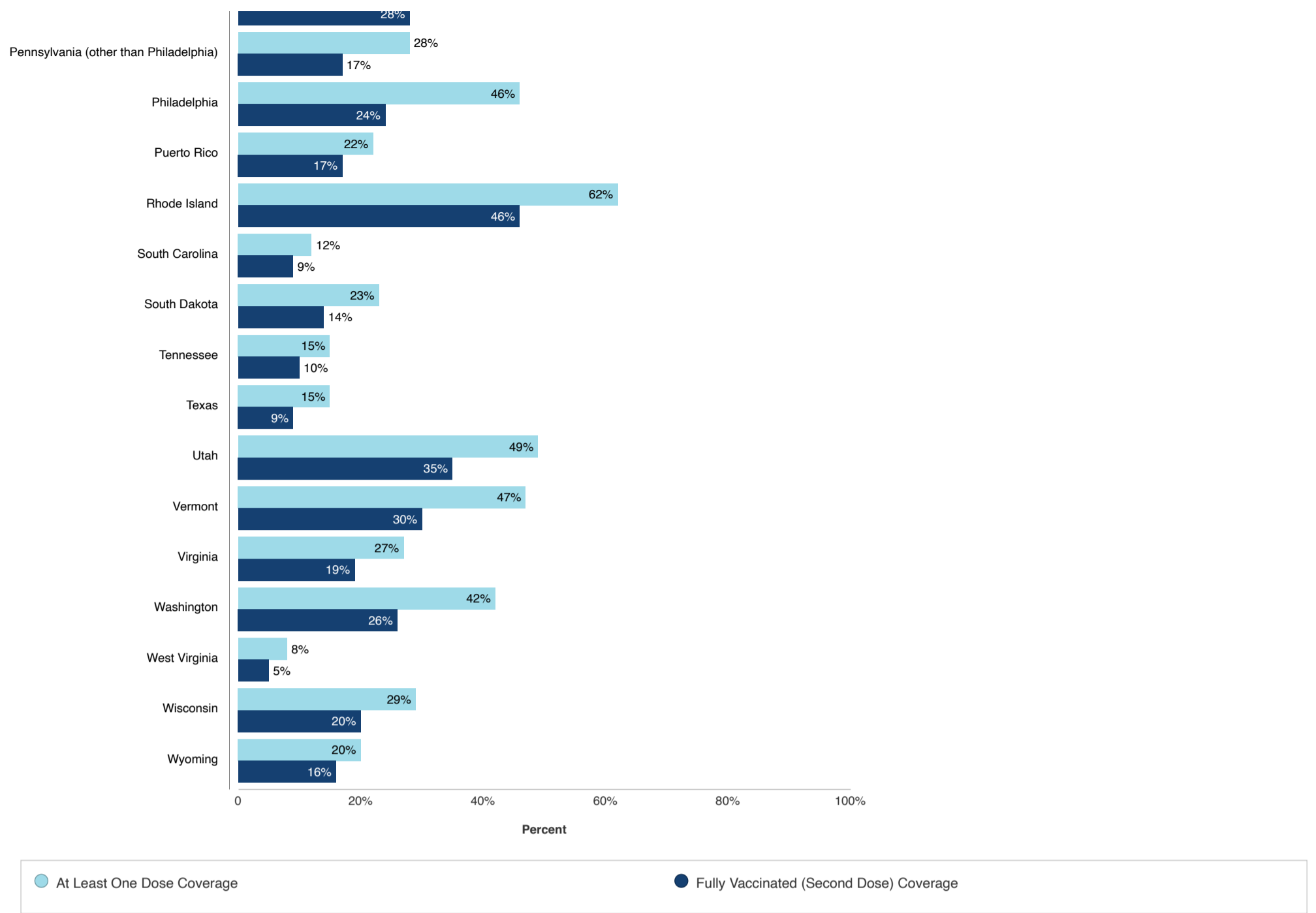
To prevent new cases of mpox and future outbreaks, public health agencies and their partners are strongly encouraged to continue to improve vaccine equity and vaccine coverage among those at risk for mpox and increase the number of people fully vaccinated especially among those overrepresented communities 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 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 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			2,655	12
Alaska	2,292			750	33

Arizona	41,472	13,682	33	8,249	20
Arkansas	9,987	1,049	11	702	7
California	294,265	194,534	66	122,510	42
Colorado	37,201	15,288	41	10,328	28
Connecticut	14,332	6,688	47	4,562	32
Delaware	6,284	1,959	31	1,297	21
District of Columbia	22,325	21,585	97	15,174	68
Florida	199,954	55,494	28	39,562	20
Georgia	83,888	27,897	33	19,177	23
Hawaii	6,607	3,137	47	1,930	29
Idaho	5,721	980	17	690	12
Illinois	84,378	44,886	53	26,704	32
Indiana	30,868	6,598	21	2,831	9
Iowa	6,969	2,082	30	1,443	21
Kansas	7,864	1,445	18	957	12
Kentucky	19,344	4,201	22	2,532	13
Louisiana	29,193	8,874	30	5,621	19
Maine	5,160	1,648	32	1,123	22
Maryland	44,521	9,373	21	5,148	12
Massachusetts	37,109	21,411	58	14,339	39
Michigan	43,136	8,850	21	5,802	13
Minnesota	28,108	9,301	33	6,836	24
Mississippi	11,288	1,326	12	723	6
Missouri	29,363	5,251	18	3,287	11
Montana	2,854	427	15	298	10
Nebraska	3,996	1,372	34	1,166	29
Nevada	21,468	8,380	39	4,657	22
New Hampshire	3,940	828	21	484	12
New Jersey	43,643	14,281	33	8,372	19
New Mexico	10,379	3,197	31	2,163	21
New York (other than New York City)	40,769	21,498	53	12,568	31
New York City	110,897	100,540	91	51,353	46
North Carolina	55,827	14,878	27	10,511	19
North Dakota	1,816	410	23	270	15
Ohio	58,955	11,522	20	8,846	15
Oklahoma	16,451	2,288	14	1,496	9
Oregon	26,255	13,193	50	7,443	28
Pennsylvania (other than Philadelphia)	37,778	10,516	28	6,510	17
Philadelphia	18,762	8,694	46	4,579	24
Puerto Rico	16,371	3,675	22	2,768	17
Rhode Island	5,526	3,400	62	2,535	46
South Carolina	22,587	2,775	12	1,978	9
South Dakota	1,320	303	23	179	14
Tennessee	35,993	5,437	15	3,580	10
Texas	201,491	30,452	15	19,129	9
Utah	9,692	4,759	49	3,359	35
Vermont	1,638	770	47	493	30
Virginia	48,510	13,294	27	9,328	19
Washington	52,104	22,022	42	13,701	26
West Virginia	6,614	518	8	326	5
Wisconsin	18,252	5,208	29	3,715	20
Wyoming	1,168	232	20	182	16

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