



## Mpox

# JYNNEOS Vaccine Coverage by Jurisdiction

Beginning March 30, 2023, the data will be updated monthly.

[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

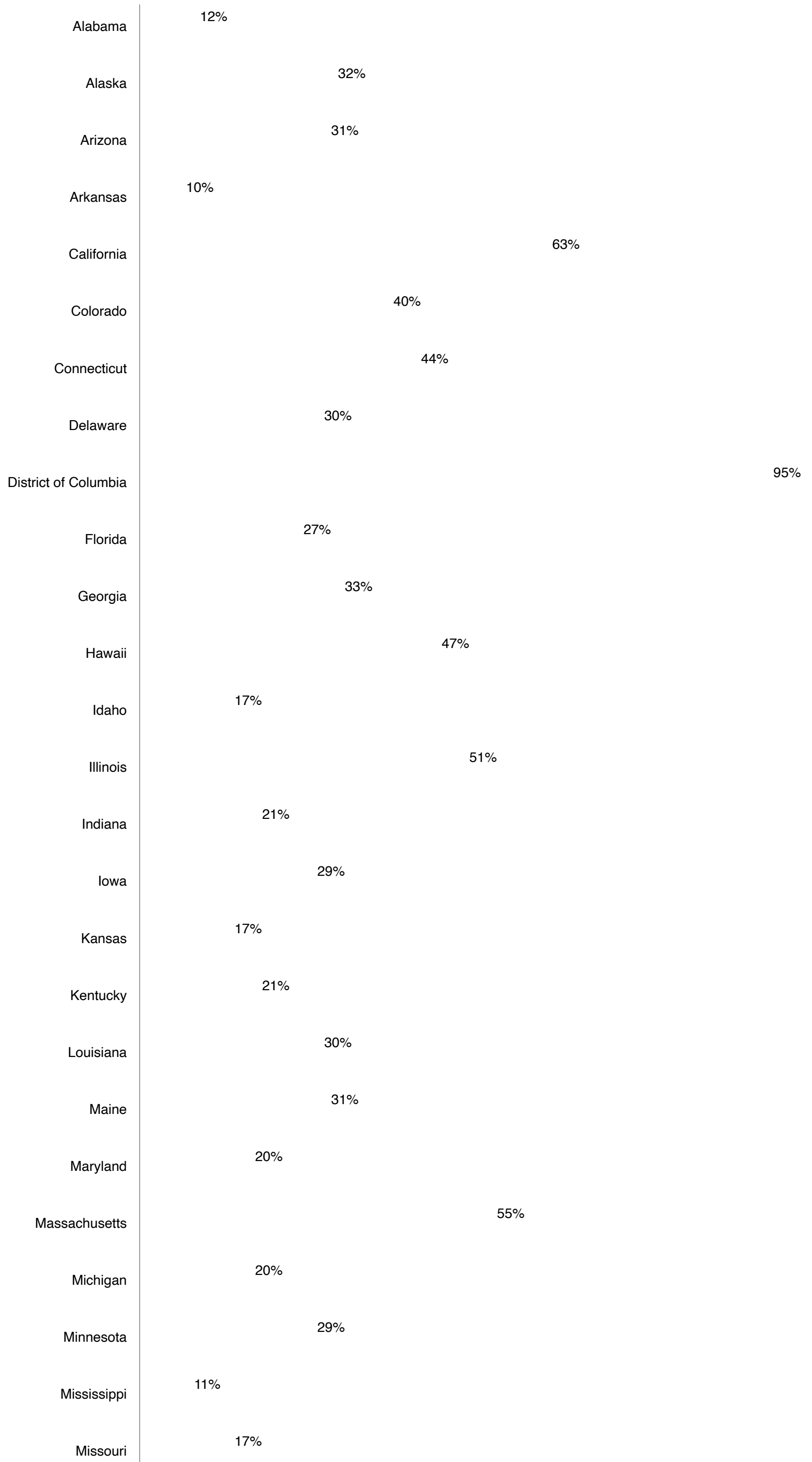
JYNNEOS vaccine (the vaccine used in the current mpox outbreak) is effective at preventing mpox among people at risk of mpox. According to [MMWR, JYNNEOS Vaccination Coverage Among Persons at Risk for Mpox — United States, May 22, 2022–January 31, 2023](#), although approximately 1.2 million vaccine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

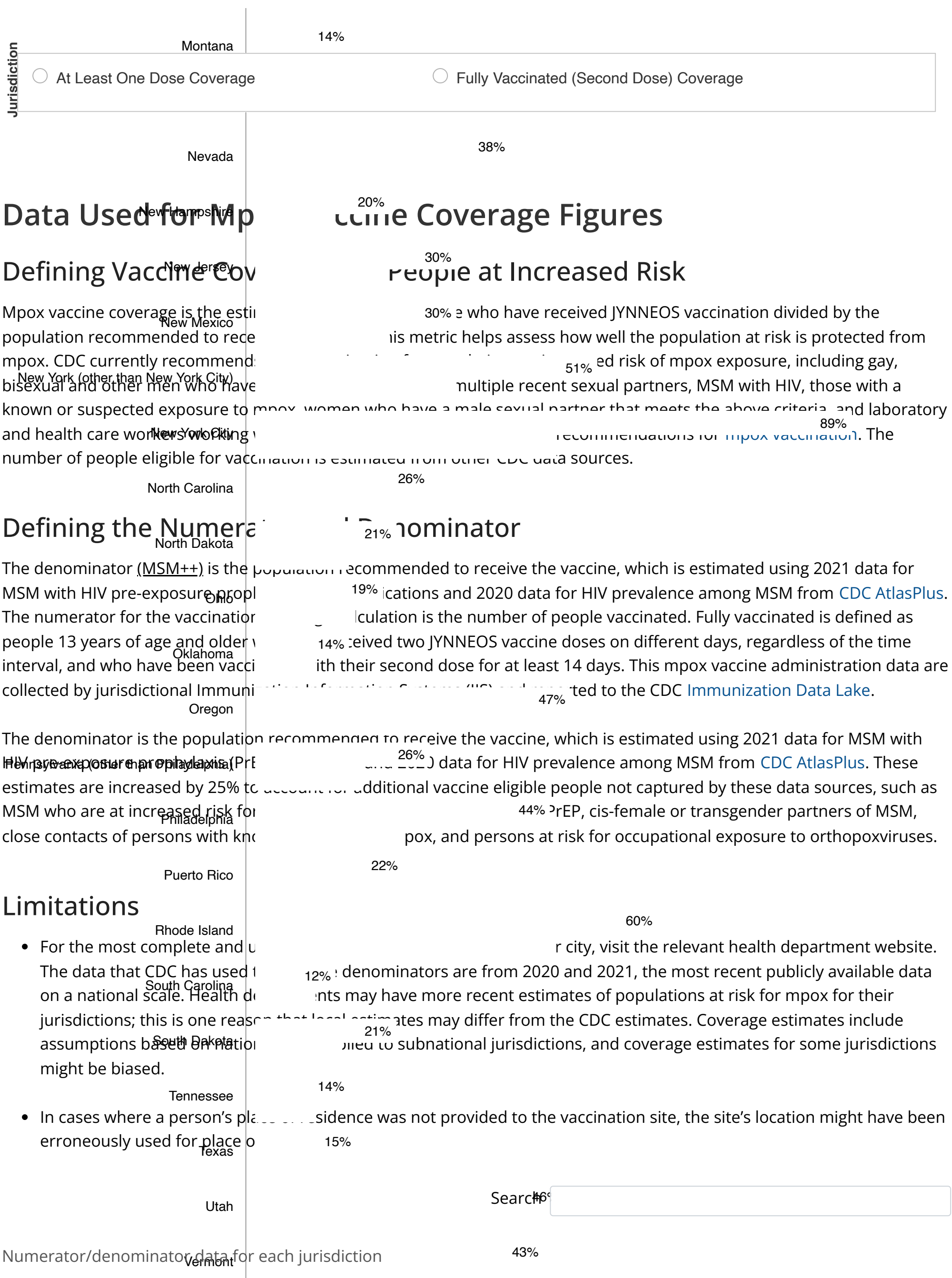
To prevent new cases of mpox and future outbreaks, public health agencies and their partners are strongly encouraged to continue to improve vaccine equity and vaccine coverage among those at risk for mpox and increase the number of people fully vaccinated especially among those overly represented communities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

Vaccine coverage estimates shown in the figure and table below cover May 22, 2022–April 25, 2023 based on data reported to CDC as of April 25, at 4:00 AM.

Mpox Vaccine Coverage by Jurisdiction for Population at Risk for Mpox

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## Data Used for Mpox

### Defining Vaccine Coverage

Mpox vaccine coverage is the estimated population recommended to receive mpox. CDC currently recommends bisexual and other men who have known or suspected exposure to mpox and health care workers. The number of people eligible for vaccination is estimated from other CDC data sources.

### Defining the Numerator

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). The numerator for the vaccination 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). These estimates are increased by 25% to account for additional vaccine eligible people not captured by these data sources, such as PrEP, cis-female or transgender partners of MSM, mpox, and persons at risk for occupational exposure to orthopoxviruses.

### Limitations

- For the most complete and up-to-date data, for a specific jurisdiction, visit the relevant health department website. The data that CDC has used for denominators are from 2020 and 2021, the most recent publicly available data available. 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, 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.

Numerator/denominator data for each jurisdiction

Jurisdiction	Denominator (MSM++) N	First Doses n	First Doses %	Fully Vaccinated n	Fully Vaccinated %
Alabama	21,354	2,555	12	1,466	7
West Virginia					8%

Alaska	2,292	725	32	491	21
Arizona	41,472	12,875	31	7,709	19
Arkansas	9,987	1,034	10	687	7
California	294,264	184,205	63	115,293	39
Colorado	37,201	14,857	40	9,929	27
Connecticut	14,332	6,349	44	4,319	30
Delaware	6,284	1,870	30	1,244	20
District of Columbia	22,325	21,288	95	14,930	67
Florida	199,954	54,499	27	38,871	19
Georgia	83,888	27,894	33	19,177	23
Hawaii	6,607	3,095	47	1,899	29
Idaho	5,721	990	17	691	12
Illinois	84,379	42,717	51	24,835	29
Indiana	30,868	6,350	21	2,746	9
Iowa	6,969	2,014	29	1,409	20
Kansas	7,864	1,305	17	876	11
Kentucky	19,344	4,016	21	2,438	13
Louisiana	29,193	8,758	30	5,559	19
Maine	5,160	1,589	31	1,088	21
Maryland	44,521	8,911	20	4,892	11
Massachusetts	37,109	20,390	55	13,656	37
Michigan	43,136	8,490	20	5,482	13
Minnesota	28,108	8,030	29	6,161	22
Mississippi	11,288	1,211	11	709	6
Missouri	29,363	4,982	17	3,059	10
Montana	2,854	402	14	282	10
Nebraska	3,996	1,358	34	1,162	29
Nevada	21,468	8,131	38	4,473	21
New Hampshire	3,940	787	20	458	12
New Jersey	43,643	13,046	30	8,093	19
New Mexico	10,379	3,098	30	2,092	20
New York (other than New York City)	40,769	20,709	51	12,089	30
New York City	110,897	99,079	89	49,999	45
North Carolina	55,827	14,616	26	10,289	18

North Dakota	1,816	386	21	256	14
Ohio	58,955	11,235	19	8,592	15
Oklahoma	16,451	2,235	14	1,444	9
Oregon	26,255	12,404	47	6,842	26
Pennsylvania (other than Philadelphia)	37,778	9,993	26	6,190	16
Philadelphia	18,762	8,191	44	4,146	22
Puerto Rico	16,371	3,525	22	2,620	16
Rhode Island	5,526	3,302	60	2,476	45
South Carolina	22,587	2,756	12	1,964	9
South Dakota	1,320	281	21	176	13
Tennessee	35,993	5,151	14	3,395	9
Texas	201,491	29,997	15	18,798	9
Utah	9,692	4,458	46	2,953	30
Vermont	1,638	711	43	446	27
Virginia	48,510	12,896	27	9,078	19
Washington	52,104	20,669	40	12,576	24
West Virginia	6,614	501	8	320	5
Wisconsin	18,252	4,943	27	3,545	19
Wyoming	1,168	223	19	176	15

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