



Mpox

JYNNEOS Vaccine Coverage by Jurisdiction

Data as of May 23 2023 4:00 AM 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.

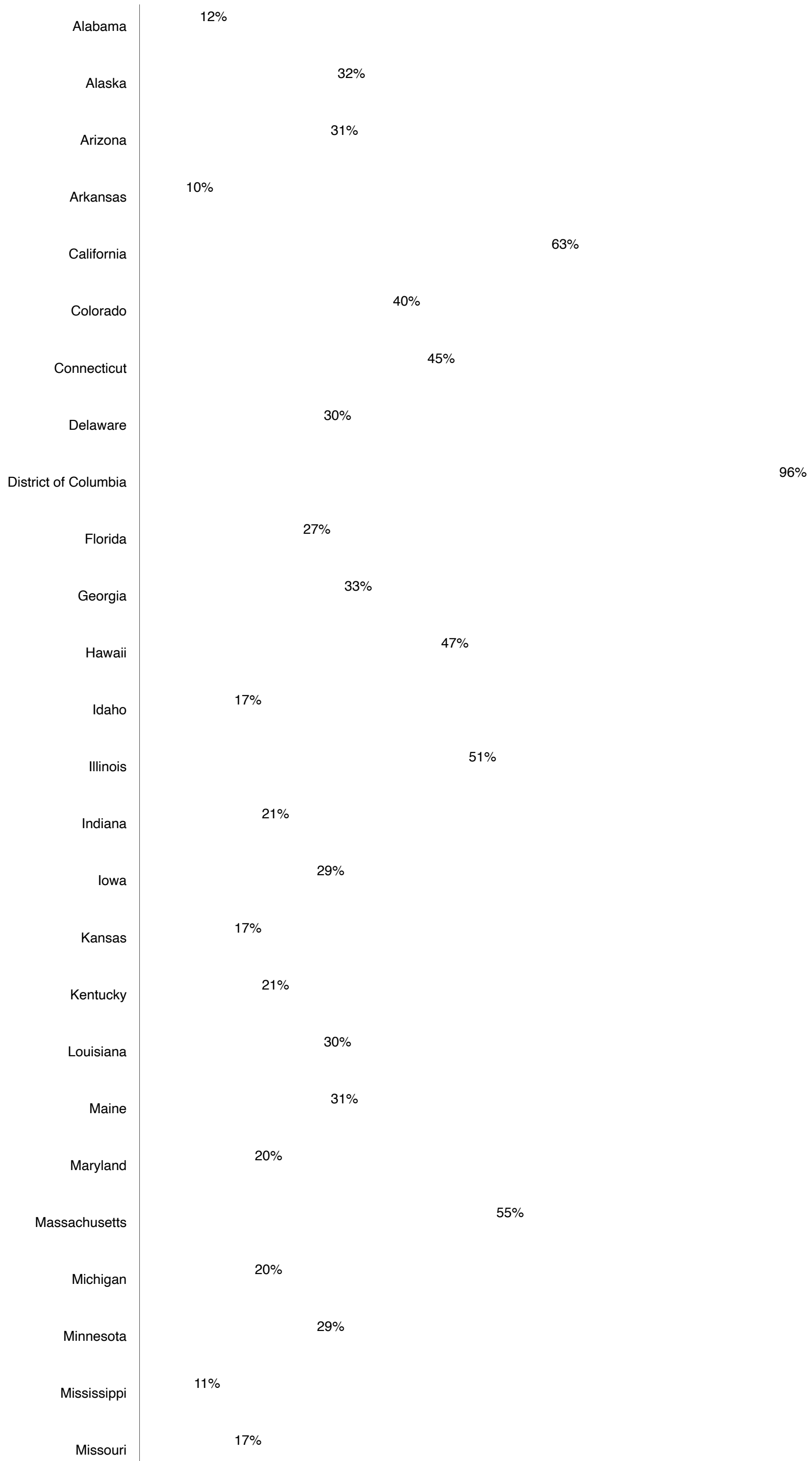
Overview

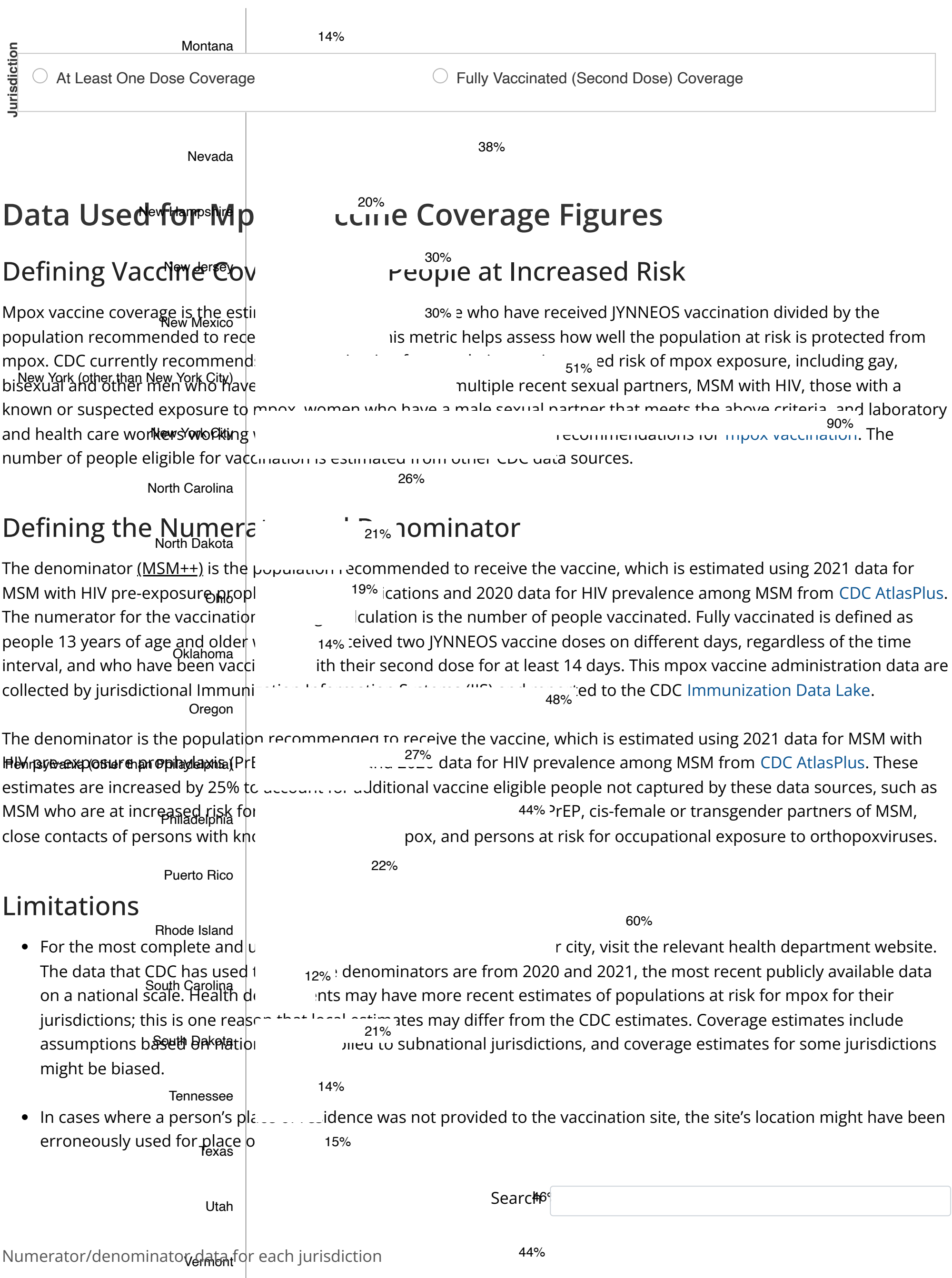
JYNNEOS vaccine (the vaccine used in the current mpox outbreak) is effective at preventing mpox among people at risk of mpox. According to [MMWR, JYNNEOS Vaccination Coverage Among Persons at Risk for Mpox — United States, May 22, 2022–January 31, 2023](#), although approximately 1.2 million vaccine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





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 your 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 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	2,571	12	1,471	7
West Virginia					8%

Alaska	2,292	727	32	494	22
Arizona	41,472	12,959	31	7,789	19
Arkansas	9,987	1,039	10	692	7
California	294,264	185,552	63	116,246	40
Colorado	37,201	14,875	40	9,987	27
Connecticut	14,332	6,397	45	4,376	31
Delaware	6,284	1,881	30	1,251	20
District of Columbia	22,325	21,326	96	14,953	67
Florida	199,954	54,624	27	39,007	20
Georgia	83,888	27,895	33	19,179	23
Hawaii	6,607	3,099	47	1,908	29
Idaho	5,721	990	17	691	12
Illinois	84,379	43,097	51	25,028	30
Indiana	30,868	6,375	21	2,761	9
Iowa	6,969	2,020	29	1,411	20
Kansas	7,864	1,324	17	891	11
Kentucky	19,344	4,040	21	2,455	13
Louisiana	29,193	8,760	30	5,564	19
Maine	5,160	1,600	31	1,098	21
Maryland	44,521	8,967	20	4,923	11
Massachusetts	37,109	20,515	55	13,730	37
Michigan	43,136	8,554	20	5,532	13
Minnesota	28,108	8,144	29	6,248	22
Mississippi	11,288	1,278	11	724	6
Missouri	29,363	5,012	17	3,082	10
Montana	2,854	403	14	283	10
Nebraska	3,996	1,362	34	1,162	29
Nevada	21,468	8,180	38	4,541	21
New Hampshire	3,940	790	20	460	12
New Jersey	43,643	13,073	30	8,121	19
New Mexico	10,379	3,118	30	2,107	20
New York (other than New York City)	40,769	20,818	51	12,167	30
New York City	110,897	99,296	90	50,209	45
North Carolina	55,827	14,629	26	10,323	18

North Dakota	1,816	386	21	256	14
Ohio	58,955	11,273	19	8,632	15
Oklahoma	16,451	2,238	14	1,447	9
Oregon	26,255	12,540	48	6,969	27
Pennsylvania (other than Philadelphia)	37,778	10,047	27	6,235	17
Philadelphia	18,762	8,266	44	4,196	22
Puerto Rico	16,371	3,564	22	2,688	16
Rhode Island	5,526	3,321	60	2,492	45
South Carolina	22,587	2,756	12	1,964	9
South Dakota	1,320	281	21	176	13
Tennessee	35,993	5,177	14	3,426	10
Texas	201,491	30,157	15	18,959	9
Utah	9,692	4,458	46	2,953	30
Vermont	1,638	720	44	450	27
Virginia	48,510	12,950	27	9,114	19
Washington	52,104	20,855	40	12,770	25
West Virginia	6,614	503	8	322	5
Wisconsin	18,252	4,975	27	3,570	20
Wyoming	1,168	223	19	176	15

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