

Mpox



Mpox

Jynneos Vaccine Effectiveness

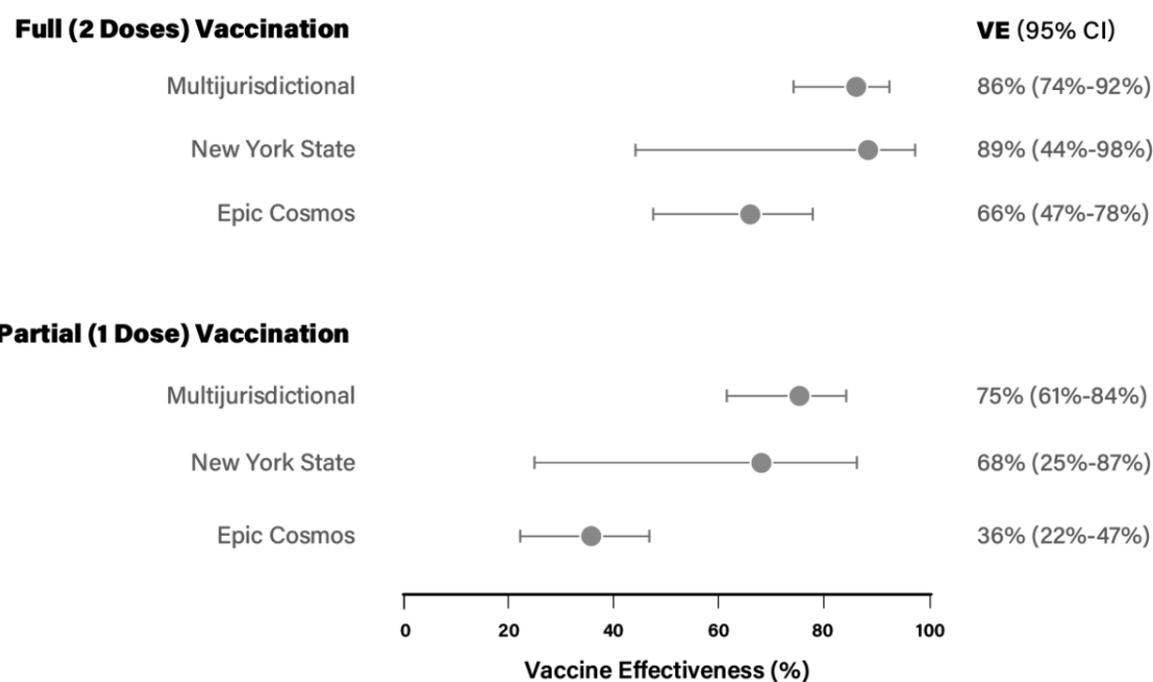
Updated May 18, 2023

JYNNEOS vaccine is effective at reducing the risk of mpox, with two doses providing the best protection.

Vaccine effectiveness (VE) measures how well vaccination works under real-world conditions to protect people against infection, symptomatic illness, hospitalization, and death. For instance, 70% VE means that the number of vaccinated people who are ill is 70% lower than the number of unvaccinated people who are ill.

Multiple studies are needed to generate reliable, real-world VE estimates. These studies show JYNNEOS can reduce the risk of mpox illness, with two doses providing the best protection. No vaccine is 100% effective. People who have been vaccinated can still get mpox, [but vaccination may make illness less severe.](#) [↗](#)

Adjusted vaccine effectiveness (VE) of JYNNEOS vaccine against mpox by study and number of doses


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Adjusted vaccine effectiveness (VE) of JYNNEOS vaccine against mpox by study and number of doses

	Adjusted VE % (95% CI)
Full (2 doses) vaccination	

Multijurisdictional	88% (74% – 92%)
New York State	89% (44% – 98%)
Epic Cosmos	66% (47% – 78%)
Partial (1 dose) vaccination	
Multijurisdictional	75% (61% – 84%)
New York State	68% (25% – 87%)
Epic Cosmos	36% (22% – 47%)

Factors Affecting VE Estimates

These studies used different methods and data sources and also accounted for different factors that could influence VE estimates. Therefore, the estimates may not be directly comparable. However, all studies showed that the JYNNEOS vaccine is effective in preventing mpox.

More Information

[Estimated Effectiveness of JYNNEOS Vaccine in Preventing Mpox: A Multijurisdictional Case-Control Study — United States, August 19, 2022–March 31, 2023](#)

[Effectiveness of JYNNEOS Vaccine Against Diagnosed Mpox Infection — New York, 2022](#)

[Vaccine Effectiveness of JYNNEOS against Mpox Disease in the United States !\[\]\(a870788d6ed9b8fd294b7654a8c8526b_img.jpg\)](#)

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