

Effectiveness of Ad26.COV2.S vaccine stable for six months

March 22 2022



The vaccine effectiveness (VE) of Ad26.COV2.S was stable over six

months, including during a period of delta variant predominance, according to a study published online March 17 in *JAMA Network Open*.

Jennifer M. Polinski, Sc.D., M.P.H., from Aetion Inc. in New York City, and colleagues examined the association between receipt of Ad26.COV2.S vaccine and COVID-19-related infections and hospitalizations before and during the delta variant surge. Data were included for 422,034 vaccinated individuals and 1,645,397 matched unvaccinated individuals. Data were obtained from March 1, 2020, through Aug. 31, 2021.

The researchers found that VE was 76 percent for COVID-19 infections and 81 percent for COVID-19-related hospitalizations. VE was stable over calendar time and for at least 180 days after vaccination. VE during June to August 2021 was 74 and 81 percent for infections and hospitalizations, respectively, among states with high delta variant incidence. Higher VE for COVID-19 was seen for individuals younger than 65 years (78 percent), while VE was lower for immunocompromised individuals (64 percent). All estimates were corrected for underrecording of vaccination.

"As the COVID-19 pandemic continues and variants evolve, the observed VE may change as new variants emerge," the authors write. "Recent data have shown that a second dose will further improve protection."

Several authors disclosed [financial ties](#) to health care technology and [pharmaceutical companies](#), including Janssen, which manufactures the Ad26.COV2.S vaccine and funded the study.

More information: Jennifer M. Polinski et al, Durability of the Single-Dose Ad26.COV2.S Vaccine in the Prevention of COVID-19 Infections and Hospitalizations in the US Before and During the Delta Variant

Surge, *JAMA Network Open* (2022). [DOI: 10.1001/jamanetworkopen.2022.2959](https://doi.org/10.1001/jamanetworkopen.2022.2959)

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Citation: Effectiveness of Ad26.COV2.S vaccine stable for six months (2022, March 22)
retrieved 6 May 2024 from
<https://medicalxpress.com/news/2022-03-effectiveness-ad26cov2s-vaccine-stable-months.html>

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