

Web-based tailored messages do not increase infant vaccination rates

October 13 2020



(HealthDay)—Delivering web-based vaccine messages tailored to

parents' vaccine beliefs and values does not improve uptake of infant vaccinations, according to a study published online Oct. 12 in *Pediatrics*.

Jason M. Glanz, Ph.D., from Kaiser Permanente Colorado in Denver, and colleagues conducted a randomized clinical trial between April 2016 and June 2019. A total of 824 [pregnant women](#) and [new parents](#) were randomly assigned to the web-based "Vaccines and Your Baby" (VAYB) intervention that provided new parents with vaccine information messages tailored to [vaccine](#) beliefs and values, an untailored version of the intervention (UT), or usual care (UC; 276, 274, and 274, respectively).

The researchers found up-to-date vaccination rates of 91.44, 92.86, and 92.31 percent in the VAYB, UT, and UC arms, respectively. The likelihood of being up to date on vaccinations was no higher for infants in the VAYB arm than those in the UC arm (odds ratio, 0.89; 95 percent confidence interval, 0.45 to 1.76) or the UT arm (odds ratio, 0.82; 95 percent confidence interval, 0.42 to 1.63). There was no difference between the UT and UC arms in the likelihood of being up to date (odds ratio, 1.08; 95 percent confidence interval, 0.54 to 2.18).

"Given that [vaccine hesitancy](#) remains a significant public health issue, researchers should continue to develop and test communication approaches to reduce parental vaccination concerns and improve the timely uptake of infant immunizations," the authors write.

One author disclosed ties to the pharmaceutical industry.

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Citation: Web-based tailored messages do not increase infant vaccination rates (2020, October 13) retrieved 7 May 2024 from <https://medicalxpress.com/news/2020-10-web-based-tailored-messages-infant-vaccination.html>

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