

# Patients of women doctors more likely to be vaccinated against the flu

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New UCLA research suggests that elderly patients of female physicians are more likely than those of male physicians in the same outpatient practice to be vaccinated against the flu.

This trend holds for all racial and [ethnic groups](#) studied and could provide insight into improving vaccination rates for influenza, COVID-19 and other illnesses, according to the research letter, which is published in the peer-reviewed *JAMA Internal Medicine*.

Prior studies have shown that female physicians tend to spend more time with their patients, said study author Dr. Dan Ly, an assistant professor in the division of general internal medicine and health services research at the David Geffen School of Medicine at UCLA.

"Now we're trying to vaccinate against COVID-19, and we will soon get to a point where most adults who want a vaccine will get it," Ly said.

"We'll then need to reach those who need more convincing in order to be vaccinated, and my research suggests that perhaps this extra time spent may be helpful in getting these patients vaccinated.

"In general, flu vaccines are 40% to 60% effective. But COVID-19 vaccines are more than 90% effective, and even more so against severe disease," he said. "This means that the time spent to convince a patient to get vaccinated against COVID-19 is time well spent, not to mention the societal benefits coming from it."

People in some racial and ethnic groups, particularly Black people, are less likely to be vaccinated for a variety of complex reasons.

Ly examined Medicare claims data from 2006 through 2016 for both male and female beneficiaries age 65 years and older from four racial and ethnic groups: white, Black, Asian and Hispanic. The research sample about included approximately 40 million patient visits to about 150,000 female physicians and 300,000 male physicians.

Ly found that patients of female physicians were vaccinated at higher rates than those of male physicians across the board:

- Among [white men](#), the vaccination rate was 52.7% for those seen by female physicians, compared with 52.0% for male physicians. For [white women](#), the rates were 54.6% (female [physician](#)) and 53.8% (male physician).
- Rates for Black men were 39.8% vs. 38.1%; for Black women, 41.6% vs. 40.3%.
- Among Asian men, rates were 56.8% vs. 54.7%; for Asian women, 56.4% vs. 55.7%.
- For Hispanic man, rates were 48.9% vs. 47.3%; for Hispanic women, 50.6% vs. 49.1%.

Ly also found that [female physicians](#) were more likely than male physicians to get patients with more chronic conditions and comorbidities vaccinated.

Overall, Black patients were about 14 percentage points less likely, and Hispanics 5 percentage points less likely, than whites to be vaccinated. Differences in vaccination rates between patients of female and male physicians, Ly found, represented 10% of the white–Black gap and about 30% of the white–Hispanic gap.

Differences in communication style between female and [male physicians](#), which have been documented in previous studies, may also contribute to the differences [vaccination rates](#), Ly noted.

**More information:** Differences in Administration of Influenza Vaccine to Elderly Adults by Physician Sex, 2006-2016 *JAMA Intern Med*. Published online April 12, 2021. [DOI: 10.1001/jamainternmed.2021.0742](#)

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