

# New study shows Latinos with COVID-19 had higher probability of developing asthma exacerbations

November 5 2021

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Studies have shown minority populations suffered higher rates of COVID-19 infections throughout the pandemic. A new study being presented at this year's American College of Allergy, Asthma and Immunology (ACAAI) Annual Scientific Meeting reveals Latinos with asthma were 4.6 times more likely than Blacks to develop asthma

exacerbations (uncontrolled asthma) following COVID-19, and 2.9 times more likely than whites.

"We examined 174 adult COVID-19-positive patients with a history of asthma between February and April of 2020," said Katharine Foster, MD, lead study author. "What we found is that Latinos had significantly higher odds of developing asthma flares, and the length of time of their asthma exacerbations was longer compared to non-Latinos."

The study results showed [uncontrolled asthma](#) symptoms lasted longer for Latinos with asthma who suffered with COVID-19. For Latinos with a COVID-19 infection, their asthma symptoms lasted 3.2 weeks compared to 1.5 weeks for non-Latino Whites and 1.4 weeks for non-Latino Blacks.

"Despite the differences in symptoms we found in the study participants, we didn't see a difference in the likelihood of starting steroids for symptom relief, nor for starting asthma step-up therapy (more aggressive treatment when asthma is uncontrolled) between Latino, non-Latino white and non-Latino Black populations," said Mahboobeh Mahdavinia, MD, Ph.D., ACAAI member and study co-author. "All the groups sought a similar number of asthma-related provider visits, including in clinic, the emergency departments, or via telehealth."

Respiratory viruses are the most common trigger for [asthma exacerbations](#), although not all viruses affect asthma patients equally. Some viruses such as influenza and rhinovirus are more likely to trigger asthma flares than others. Currently, studies do not indicate that those with asthma are at any higher risk of contracting COVID-19 than those who don't have asthma.

**More information: Abstract Title:** Latinos Experience Longer Duration of Uncontrolled Asthma After COVID Infection

Provided by American College of Allergy, Asthma, and Immunology

Citation: New study shows Latinos with COVID-19 had higher probability of developing asthma exacerbations (2021, November 5) retrieved 29 February 2024 from <https://medicalxpress.com/news/2021-11-latinos-covid-higher-probability-asthma.html>

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