

Factors tied to severe COVID-19 in children identified

27 April 2021



COVID-19 had one or more chronic conditions (29.2 percent). Overall, 11.7 percent were hospitalized and one-third of those hospitalized (31.1 percent) experienced severe COVID-19. There was an association noted between severe COVID-19 and having one or more chronic conditions versus having none (adjusted odds ratio, 3.27). Furthermore, severe COVID-19 was more likely in hospitalized children aged 2 through 5 years or 6 through 11 years versus those aged 12 through 18 years (adjusted odds ratios, 1.53 and 1.53, respectively); this finding was also true for male versus female patients (adjusted odds ratio, 1.52). There was no significant association observed between race/ethnicity or insurance type and severe COVID-19.

"Reducing infection risk through community mitigation strategies is critical for protecting children from COVID-19 and preventing poor outcomes," the authors write.

More information: [Abstract/Full Text](#)

Copyright © 2021 [HealthDay](#). All rights reserved.

(HealthDay)—One in three children hospitalized with COVID-19 experience severe illness, which is associated with younger children, male patients, and those with a chronic condition, according to a research letter published online April 9 in *JAMA Network Open*.

Leigh Ellyn Preston, Dr.P.H., from the U.S. Centers for Disease Control and Prevention in Atlanta, and colleagues used data from the Premier Healthcare Database Special COVID-19 Release, an administrative all-payer database, to identify patients ages 18 years or younger with an inpatient or emergency department encounter with a primary or secondary COVID-19 discharge diagnosis (March 1 to Oct. 31, 2020).

The researchers identified 20,714 pediatric patients with COVID-19 (52.9 percent girls; 53.8 percent aged 12 to 18 years), of whom 39.3 percent were Hispanic or Latino individuals and 24.4 percent were non-Hispanic Black individuals. Nearly one in three of these [young patients](#) with

APA citation: Factors tied to severe COVID-19 in children identified (2021, April 27) retrieved 1 June 2022 from <https://medicalxpress.com/news/2021-04-factors-tied-severe-covid-children.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.