

Surges in hospital caseload tied to higher COVID-19 mortality

July 9 2021



(HealthDay)—Hospitalized COVID-19 patients cared for in hospitals

with the greatest surges in caseload have twofold greater mortality risk than patients in hospitals not experiencing surges, according to a study published online July 6 in the *Annals of Internal Medicine*.

Sameer S. Kadri, M.D., from the National Institutes of Health Clinical Center in Bethesda, Maryland, and colleagues evaluated the association between hospitals' severity-weighted COVID-19 caseload and COVID-19 mortality risk. The analysis included adult COVID-19-coded inpatients admitted from March to August 2020 with discharge dispositions by October 2020.

The researchers found that of the 144,116 inpatients with COVID-19 at 558 U.S. hospitals, 54.2 percent were admitted to hospitals in the top surge index decile and, overall, 17.6 percent of patients died. Crude COVID-19 mortality decreased over time across all surge index strata, but the risk for death increased in the 50 to 75, 75 to 90, 90 to 95, 95 to 99, and >99 percentiles (odds ratios, 1.11, 1.24, 1.42, 1.59, and 2.00, respectively) compared with nonsurging (

Citation: Surges in hospital caseload tied to higher COVID-19 mortality (2021, July 9) retrieved 2 May 2024 from

<https://medicalxpress.com/news/2021-07-surges-hospital-caseload-tied-higher.html>

<p>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.</p>
