

# Severe outcomes from COVID-19 up with preexisting neuropsych conditions

November 17 2022, by Elana Gotkine HealthDay Reporter

---



People with neuropsychiatric conditions and/or associated treatment

have an increased risk for severe outcomes from COVID-19 and from other severe acute respiratory infections (SARIs), according to a study published online Nov. 9 in *JAMA Psychiatry*.

Tom Alan Ranger, Ph.D., from the University of Oxford in the United Kingdom, and colleagues examined whether neuropsychiatric conditions are associated with severe outcomes from COVID-19 infection and other SARIs in prepandemic (2015 to 2020) and contemporary (2020 to 2021) longitudinal cohorts (11,134,789 adults [223,569 SARI cases] and 8,388,956 adults [58,203 severe COVID-19 cases], respectively).

The researchers observed an association for diagnosis and/or [treatment](#) for [neuropsychiatric conditions](#) other than dementia with an increased likelihood of a severe outcome from SARI (hazard ratios, 1.16 and 2.56 for anxiety diagnosis and psychotic disorder diagnosis and treatment, respectively) and COVID-19 (hazard ratios, 1.16 and 2.37 for anxiety [diagnosis](#) and psychotic disorder treatment, respectively). Compared with SARI, those with COVID-19 had a higher effect estimate for severe outcome with dementia (hazard ratio, 2.85 versus 2.13).

"The adjusted results comparing severe outcomes from COVID-19 disease and other SARI largely seemed similar, suggesting that the associations were not disease specific," the authors write. "Although dementia was associated with a higher increased risk of severe outcome from COVID-19 than for SARI, well-documented impacts of the pandemic on specific care settings mean that this result should be interpreted with caution."

Several authors disclosed financial ties to industry.

**More information:** Tom Alan Ranger et al, Preexisting Neuropsychiatric Conditions and Associated Risk of Severe COVID-19 Infection and Other Acute Respiratory Infections, *JAMA Psychiatry*

(2022). [DOI: 10.1001/jamapsychiatry.2022.3614](https://doi.org/10.1001/jamapsychiatry.2022.3614)

Copyright © 2022 [HealthDay](#). All rights reserved.

Citation: Severe outcomes from COVID-19 up with preexisting neuropsych conditions (2022, November 17) retrieved 15 July 2023 from <https://medicalxpress.com/news/2022-11-severe-outcomes-covid-preexisting-neuropsych.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.