

UK data suggests hospitalization is less likely with omicron (Update)

December 23 2021, by Jill Lawless and Laura Ungar



Shoppers walk down Oxford Street, Europe's busiest shopping street, in London, Thursday, Dec. 23, 2021. Credit: AP Photo/Frank Augstein

Preliminary data suggests that people with the omicron variant of the coronavirus are 50% to 70% less likely to be hospitalized than those with

the delta strain, Britain's public health agency announced Thursday in a finding that one researcher called "a small ray of sunlight."

The findings from the U.K. Health Security Agency add to emerging evidence that omicron produces milder illness than other variants. But scientists caution that any reductions in severity must be weighed against the fact that omicron spreads much faster than delta and is better at evading vaccines.

Based on cases in the U.K., a person with omicron is estimated to be 31% to 45% less likely to go to a hospital emergency department compared to someone with delta, "and 50 to 70% less likely to be admitted to hospital," the agency said.

It cautioned that the analysis is "preliminary and highly uncertain" because of the small number of omicron patients in hospitals and the fact that most were in younger age groups. As of Dec. 20, 132 people had been admitted to U.K. hospitals with confirmed omicron. Fourteen of them died, all between the ages of 52 and 96.

Countries around the world are looking closely at Britain, where omicron is now dominant and where COVID-19 cases have surged by more than 50% in a week.

Experts not involved with the analysis called it encouraging.



A man wearing face masks with a mustache attached, walks down Regents Street in London, Thursday, Dec. 23, 2021. British Prime Minister Boris Johnson said on Monday that his government reserves the "possibility of taking further action" to protect public health as Omicron spreads across the country. Credit: AP Photo/Frank Augstein

"To me, it's a small ray of sunlight among all the dark clouds," said Dr. Jonathan Li, director of the Harvard/Brigham Virology Specialty Laboratory.

The signs that omicron may cause less severe disease than delta also align with lab data suggesting omicron does not grow as well in cells derived from lungs, Li said.

The findings add to similar data from South Africa, added Dr. Bruce Walker, director of the Ragon Institute of Massachusetts General Hospital, the Massachusetts Institute of Technology and Harvard.

Walker said there are still unknowns, such as the relative severity of omicron in someone who's been vaccinated compared with someone who's had COVID-19 before or someone who is unvaccinated and has not had the disease.

Vaccination remains crucial, he said.

"The bottom line is the best way that somebody can prepare for this new wave is to get immunized, and if somebody is already immunized, to get a booster," said Walker, who is an investigator with the Howard Hughes Medical Institute, which also supports The Associated Press' Health and Science Department.



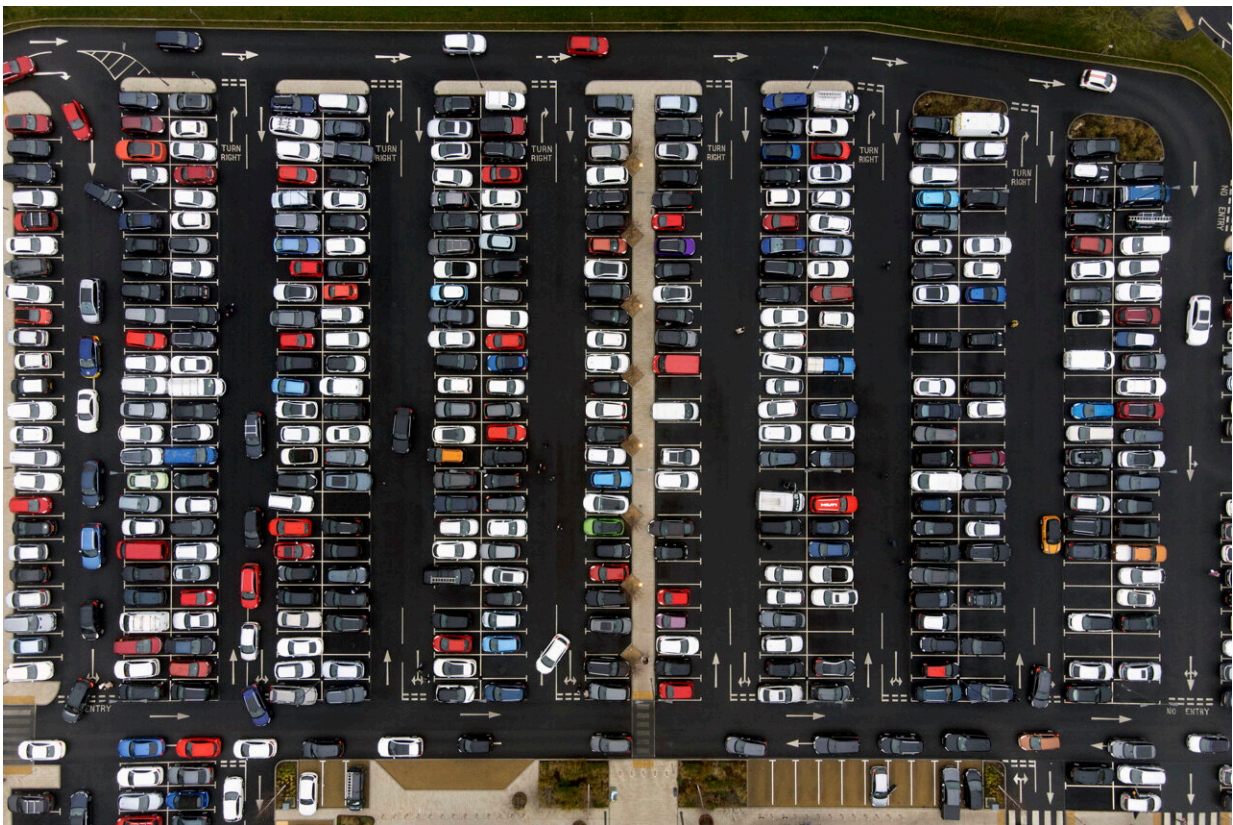
Shoppers are reflected in a window as they walk down Oxford Street, Europe's busiest shopping street, in London, Thursday, Dec. 23, 2021. Credit: AP Photo/Frank Augstein

The British agency's research said the protection a vaccine booster shot gives against symptomatic omicron infection appears to wane after about 10 weeks, though protection against hospitalization and severe disease is likely to hold up for longer.

The analysis "shows an encouraging early signal that people who contract the omicron variant may be at a relatively lower risk of hospitalization than those who contract other variants," said the chief executive of the U.K. HSA, Jenny Harries.

But she added that "cases are currently very high in the U.K., and even a relatively low proportion requiring hospitalization could result in a significant number of people becoming seriously ill."

The analysis follows two studies, from Imperial College London and Scottish researchers, that found patients with omicron were 20% to 68% less likely to require hospital treatment than those with delta.



Christmas shoppers fill the car park at Fosse Shopping Park in Leicester, England, Thursday, Dec. 23, 2021. The British government says it won't introduce any new coronavirus restrictions until after Christmas, and called early studies on the severity of the omicron variant encouraging. Credit: Joe Giddens/PA via AP

Even if the early studies are borne out, the new variant could still overwhelm health systems because of the sheer number of infections. The British health agency said omicron appeared able to re-infect people more easily than previous variants, with 9.5% of omicron cases found in people who had already had COVID-19—a figure it said was likely an underestimate.

Britain reported nearly 120,000 lab-confirmed COVID-19 cases on Thursday, the highest yet during the pandemic and the second day the number has topped 100,000.

Britain's Office for National Statistics estimated that about 1 in 45 people in private households in England—1.2 million individuals—had COVID-19 in the week to Dec. 16, the highest level seen in the pandemic.

Britain's Conservative government this month reinstated rules requiring face masks in shops and ordered people to show proof of vaccination or a negative coronavirus test before entering nightclubs and other crowded venues in an attempt to slow omicron's spread.



Shoppers do their last Christmas shopping in Covent Garden in London, Wednesday, Dec. 22, 2021. British Prime Minister Boris Johnson said on Monday that his government reserves the "possibility of taking further action" to protect public health as Omicron spreads across the country. Credit: AP Photo/Frank Augstein

The government said Thursday that it would not impose any new restrictions before Christmas, but might do so soon after.

Officials also urged people to get tested regularly and to cut back on socializing. Many in Britain have heeded that advice, leaving entertainment and hospitality businesses reeling at what should be their busiest time of the year.

Experts pointed out that staying out of the hospital should not be the only goal; people should also try to avoid long COVID-19, which can result from mild infections.

"We're all excited to hear that this is immediately less severe in terms of disease," Walker said. "But do we know what the possibility of long COVID is? No, we don't. There hasn't been enough time (that has) passed to have any sense of whether omicron is associated with long COVID."



A woman wears a face covering as she walks past a Christmas Lights decoration in London, Wednesday, Dec. 22, 2021. British Prime Minister Boris Johnson said on Monday that his government reserves the "possibility of taking further action" to protect public health as Omicron spreads across the country. Credit: AP Photo/Frank Augstein



Shoppers are reflected in a window as they walk down Oxford Street, Europe's busiest shopping street, in London, Thursday, Dec. 23, 2021. The British government says it won't introduce any new coronavirus restrictions until after Christmas, and called early studies on the severity of the omicron variant encouraging. Credit: AP Photo/Frank Augstein



Houses are decorated with seasonal lights in London, Thursday, Dec. 23, 2021. The British government says it won't introduce any new coronavirus restrictions until after Christmas, and called early studies on the severity of the omicron variant encouraging. Health Secretary Sajid Javid said two studies suggesting omicron carries a significantly lower risk of hospitalization than the previously dominant delta strain was "encouraging news." Credit: AP Photo/Kirsty Wigglesworth

Louis Mansky, director of the Institute for Molecular Virology at the University of Minnesota, said there's not enough data to know how omicron will play out in the U.S.

"It gets back to the health status of the average American," Mansky said. "We have other epidemics going on in terms of obesity, cardiovascular

disease," he said, explaining that "the general health of the individual" will be an important factor in how sick they might get from omicron.

© 2021 The Associated Press. All rights reserved. This material may not be published, broadcast, rewritten or redistributed without permission.

Citation: UK data suggests hospitalization is less likely with omicron (Update) (2021, December 23) retrieved 25 April 2024 from <https://medicalxpress.com/news/2021-12-omicron-hospitalisation-uk-govt-agency.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.