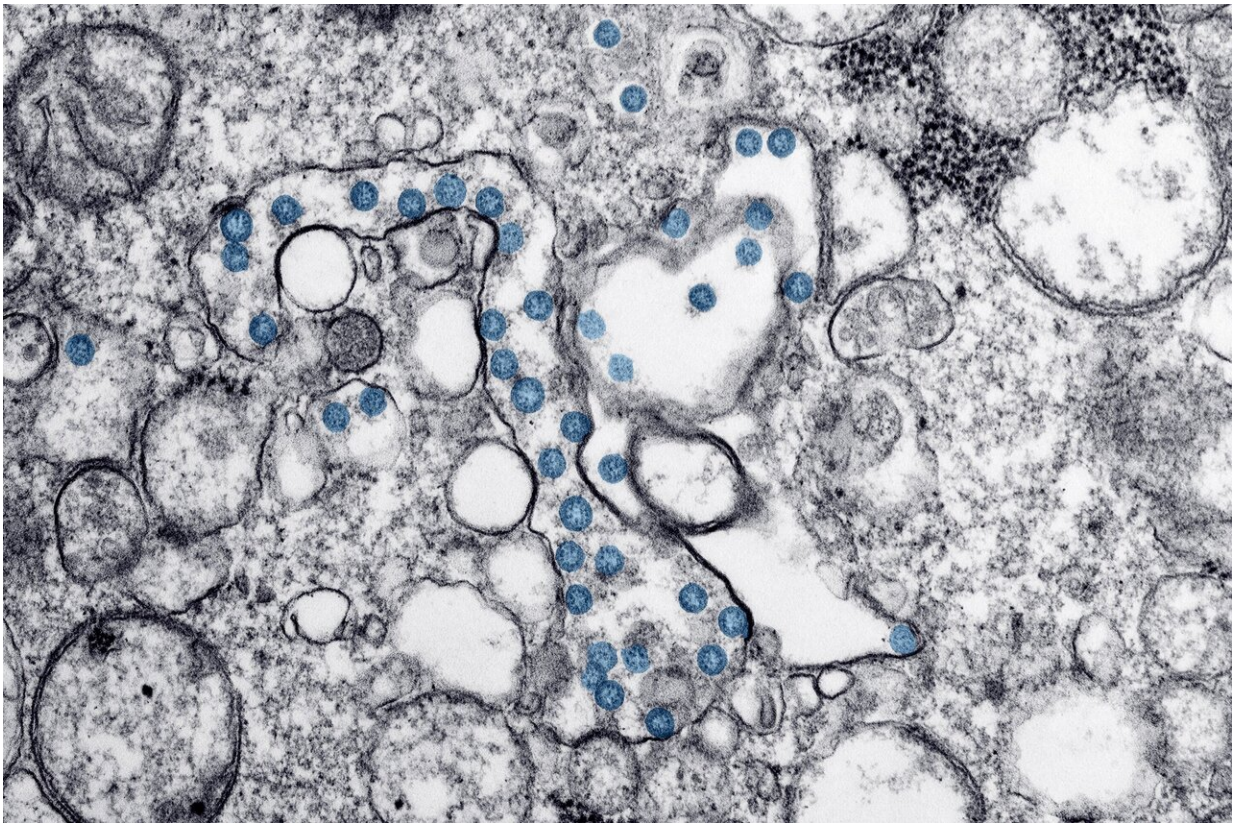


Anticipate a resurgence of respiratory viruses in young children

July 26 2021



Credit: Unsplash/CC0 Public Domain

Canada should anticipate a resurgence of a childhood respiratory virus as COVID-19 physical distancing measures are relaxed, authors warn in *CMAJ (Canadian Medical Association Journal)*.

Cases of respiratory syncytial virus (RSV) have risen sharply in Australia and, more recently, the United States as COVID-19 case counts have waned and pandemic public health measures have been relaxed.

Respiratory syncytial virus affects the [lower respiratory tract](#) and can cause serious illness and death. Before the COVID-19 pandemic, about 2.7 million children worldwide were infected with RSV each year, and it was the fourth most common cause of death in young children.

"The off-season resurgence in seasonal respiratory viruses now potentially poses a threat to vulnerable infants," writes Dr. Pascal Lavoie, BC Children's Hospital Research Institute and the University of British Columbia, Vancouver, BC, with coauthors.

During the COVID-19 pandemic, Canada, like other countries, has seen very few cases of RSV, with only 239 positive cases between August 29, 2020, and May 8, 2021, compared with 18,860 positive tests in a similar period the previous year (between August 25, 2019, and May 2, 2020). The virus seemed to disappear over the last year.

However, an increased number of cases of RSV in Canada this summer, as in other jurisdictions, could stretch health care resources in pediatric intensive care units (ICUs). Most [pregnant women](#) and very young infants did not develop immunity in the previous season, so children may develop more [severe illness](#) this year.

In anticipation of a potential resurgence of RSV, the authors suggest:

- Continued emphasis on handwashing and basic hygiene measures and other protective measures such as breastfeeding when possible
- Continued testing to confirm RSV when required
- Planning by pediatric ICUs to manage increases in severe RSV cases

- Administering preventive treatment to highest-risk infants in the summer if cases increase to the level of the normal fall season.

"Potential resurgence of [respiratory syncytial virus](#) in Canada" is published July 26, 2021.

More information: Pascal M. Lavoie et al, Potential resurgence of respiratory syncytial virus in Canada, *Canadian Medical Association Journal* (2021). [DOI: 10.1503/cmaj.210919](https://doi.org/10.1503/cmaj.210919)

Provided by Canadian Medical Association Journal

Citation: Anticipate a resurgence of respiratory viruses in young children (2021, July 26)
retrieved 28 April 2024 from
<https://medicalxpress.com/news/2021-07-resurgence-respiratory-viruses-young-children.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>
--