

# Research on children and COVID-19

## Research on children's infection rates, symptoms and transmission of COVID-19

This section is a collection of research studies and news articles related to children and COVID-19. The list is far from exhaustive but provides readers with information posted on our website that has been published globally regarding children's infection, symptoms and transmission of COVID-19.

Additional new articles, policy recommendations and research related to child care and COVID-19 can be found using CRRU's child care and COVID-19 ISSUE file. <sup>[1]</sup>

We have broken this section into two topics:

- Research articles <sup>[2]</sup>
- News and magazine articles <sup>[3]</sup>

Mon, 09/14/2020

## Research articles

This section is a collection of research studies related to children and COVID-19. The list is far from exhaustive but provides readers with information posted on our website that has been published globally regarding children's infection, symptoms and transmission of COVID-19.

Limited secondary transmission of SARS-COV2 in child care programs — Rhode Island, June 1–July 31, 2020 <sup>[4]</sup>  
Centers for Disease Control and Prevention, 21 August 2020

Children and COVID-19: State data report <sup>[5]</sup>  
Children's Hospital Association & American Academy of Pediatric Medicine, 30 July 2020

Age-related differences in nasopharyngeal severe acute respiratory syndrome Coronavirus 2 (Sars-Cov-2) levels in patients with mild to moderate coronavirus disease 2019 (COVID-19) <sup>[6]</sup>  
JAMA Pediatrics, 30 July 2020

Rapid review: What is the specific role of daycares and schools in COVID-19 transmission? <sup>[7]</sup>  
McMaster University, 24 July 2020

School openings across the globe suggest ways to keep coronavirus at bay, despite outbreaks <sup>[8]</sup>  
Science Mag, 7 July 2020

Neurologic and radiographic findings associated with COVID-19 infection in children <sup>[9]</sup>  
American Medical Association/ JAMA Neurology, 1 July 2020

Children and COVID-19 <sup>[10]</sup>  
Government of the Netherlands/ National Institute for Public Health and the Environment, Updated July 2020

Understanding the age divide in COVID-19: Why are children overwhelmingly spared? <sup>[11]</sup>  
American Journal of Physiology-Lung Cellular and Molecular Physiology, 25 June 2020

Addressing the indirect effects of COVID-19 on the health of children and young people <sup>[12]</sup>  
Canadian Medical Association Journal, 24 June 2020

Covid-19: Researchers question policy of closing schools after finding under 20s have low susceptibility to virus <sup>[13]</sup>  
British Medical Journal, 17 June 2020

COVID-19: Recommendations for school reopening <sup>[14]</sup>  
Hospital for Sick Children, 17 June 2020

COVID-19 is "very different" in young kids versus adults <sup>[15]</sup>  
The Scientist, 16 June 2020

Why children avoid the worst coronavirus complications might lie in their arteries <sup>[16]</sup>  
Nature, 11 June 2020

Can children transmit the new coronavirus to other people? <sup>[17]</sup>  
Full Fact, 19 May 2020

Systematic review of COVID-19 in children shows milder cases and a better prognosis than adults <sup>[18]</sup>

Acta Paediatrica, 20 May 2020

Children are unlikely to be the main drivers of the COVID-19 pandemic - A systematic review <sup>[19]</sup>

Acta Paediatrica, 19 May 2020

COVID-19 in children and the dynamics of infection in families <sup>[20]</sup>

Pediatrics, 12 May 2020

Should schools reopen? Kids' role in pandemic still a mystery <sup>[21]</sup>

Science, 4 May 2020

UK overview of scientific advice and information on coronavirus (COVID-19) <sup>[22]</sup>

Government of UK, May 2020

Summary: What is the evidence for transmission of COVID-19 by children [or in schools]? <sup>[23]</sup>

Usher Network for COVID-19 Evidence Reviews, 6 May 2020

No evidence of secondary transmission of COVID-19 from children attending school in Ireland <sup>[24]</sup>, 2020

Euro Surveill, May 2020

The role of children in the transmission of SARS-CoV-2 (COVID-19), 1st update - a rapid review <sup>[25]</sup>

Norwegian Institute of Public Health, 30 April 2020

Impact of school closures for COVID-19 on the US health-care workforce and net mortality: A modelling study <sup>[26]</sup>

The Lancet, 3 April 2020

COVID-19 transmission and children: The child is not to blame <sup>[27]</sup>

Pediatrics, 18 March 2020

Epidemiology of COVID-19 among Children in China <sup>[28]</sup>

Pediatrics, 1 March 2020

## News and magazine articles

This section is a collection of news articles related to children and COVID-19. The list is far from exhaustive but provides readers with information posted on our website that has been published globally in news media regarding children's infection, symptoms and transmission of COVID-19.

Additional new articles, policy recommendations and research related to child care and COVID-19 can be found using CRRU's child care and COVID-19 ISSUE file.

Limited transmission of COVID-19 found in U.S. childcare study, CDC says <sup>[29]</sup>

Reuters, 22 August 2020

How do you detect the young silent spreaders of coronavirus as Canadian schools reopen? <sup>[30]</sup>

CBC News, 15 August 2020

Ontario doctors seeking kids for study about how COVID-19 spreads in a classroom <sup>[31]</sup>

CP24, 11 August 2020

What we are learning about Covid-19 and kids <sup>[32]</sup>

The Guardian, 9 August 2020

Half of newly reported COVID-19 cases in Ottawa are children under 9, OPH reports <sup>[33]</sup>

Ottawa Matters, 9 August 2020

Education workers especially worried about COVID-19, INSPQ polls finds, <sup>[34]</sup>

Montreal Gazette 4 August 2020

Review of COVID-19 spread by kids offers comfort about schools reopening, prof says <sup>[35]</sup>

CBC News, 2 August 2020

Study finds higher viral load in young children, raising questions about how likely they are to transmit the coronavirus <sup>[36]</sup>

CNN, 30 July 2020

Kids are not major source of COVID-19 spread, McMaster research review finds <sup>[37]</sup>

CBC News, 29 July 2020

Reviews find children not major source of COVID-19, but family stress is high <sup>[38]</sup>

McMaster University, 28 July 2020

Children over age 10 spread COVID-19 as much as adults, study finds <sup>[39]</sup>

CTV News, 19 July 2020

Nova Scotia plans full return to classrooms this fall [40]

Global News, 16 July 2020

Schools have low coronavirus infection rate, German study finds [41]

CNBC, 14 July 2020

The long-term biological effects of COVID-19 stress on kids' future health and development [42]

The Conversation, 12 July 2020

Children rarely transmit COVID-19, doctors write in new commentary [43]

University of Vermont, 10 July 2020

Are kids key vectors in the spread of COVID-19 or not? U of C scientists want to know [44]

CBC News, 3 July 2020

Children with coronavirus may have neurological instead of respiratory symptoms, study suggests [45]

Independent, 1 July 2020

Coronavirus: Most children 'experience only mild disease' [46]

BBC, 26 June 2020

Pandemic poses indirect physical, mental health consequences for children: study [47]

CTV News, 25 June 2020

Most kids do not get severe COVID-19: Large study confirms [48]

TIME, 25 June 2020

Is it safe to reopen schools? These countries say yes [49]

Wall Street Journal, 31 May 2020

COVID-19 precision health genomics for children [50]

Genome Alberta, 26 May 2020

Children do not appear to be COVID-19 'super-spreaders' [51]

Ottawa Citizen, 26 May 2020

The coronavirus' effect on kids remains an unsolved mystery. Here are the clues so far [52]

Business Insider, 24 May 2020

Children half as likely as adults to get coronavirus, study says [53]

The Guardian, 22 May 2020

Why the coronavirus hits kids and adults so differently [54]

The Atlantic, 15 May 2020

Consensus is emerging that children are less vulnerable to coronavirus [55]

Wall Street Journal, 27 April 2020

Closing schools has only a minor role in suppressing COVID-19 [56]

Medical News Today, 14 April 2020

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