

The Newfoundland & Labrador Centre for Applied Health Research (NLCAHR) will be sending this COVID-19 e-bulletin to our health system stakeholders once a week. This e-bulletin includes the results from recent searches of published health evidence and grey literature on the pandemic under specific subject headings, highlighting those findings considered to be of particular relevance to you. We hope you will find this information to be helpful. We welcome your [feedback and suggestions](#).

You can find NLCAHR e-bulletins and COVID-19 *Quick Response Reports* [online here](#).

TREATING COVID-19

MedRxiv: [Asymptomatic COVID-19 Have Longer Treatment Cycle than Moderate Type of Confirmed Patients](#) (Published May 20, 2020)

This cohort study from China compares the epidemiological and clinical characteristics of asymptomatic COVID-19 infections against confirmed cases with moderate symptoms. [LINK](#)

CADTH: [Remdesivir: Evidence Review and Appraisal](#) (Published May 14, 2020)

CADTH conducted a Health Technology Review on remdesivir, an antiviral drug currently being used to treat COVID-19. Presently, remdesivir is not approved in Canada and access to it is limited to clinical trials. Four randomized controlled trials were identified (two completed and two ongoing) in the review; however, due to insufficient published evidence, the potential place in therapy of remdesivir is unknown. [LINK](#)

CLINICAL MANAGEMENT

MedRxiv: [Analysis of temporal trends in potential COVID-19 cases reported through NHS Pathways England](#) (Published May 20, 2020)

The authors present a fully-reproducible analysis of temporal trends in NHS Pathways reports until 14th May 2020, nationally and regionally, and demonstrate that rates of growth/decline and effective reproduction numbers estimated from these data may be useful in monitoring transmission. [LINK](#)

Centres for Disease Control: [Framework for Healthcare Systems Providing Non-COVID-19 Clinical Care During the COVID-19 Pandemic](#) (Published May 14, 2020)

A framework for healthcare systems to deliver non-COVID-19 health care during the COVID-19 pandemic. [LINK](#)

INFECTION CONTROL

Alberta Health Services: [Guidelines for COVID-19 Outbreak Prevention, Control and Management in Work Camps and Work Sites](#) (Published May 8, 2020)

Best-practice/evidence-based guidelines from Alberta Health Services for COVID-19 outbreak control and management in Work Camps and Work Sites. [LINK](#)

The International Journal of Clinical Practice: [A phased approach to unlocking during the COVID-19 pandemic – Lessons from trend analysis](#) (Published May 7, 2020)

This article explores statistical trends from the COVID-19 pandemic regarding infection rates and policy impact to draw learning points for informing the re-opening process and insights that can be used to make better-informed decisions about future management of restricted social behaviour and management. [LINK](#)

Edmond J. Safra Center for Ethics, Harvard University: [Immunity Certificates: If We Must Have Them, We Must Do It Right](#) (Published April 20, 2020)

This report reviews the current debates about issuing immunity certificates for COVID-19 and how they might be a component of a comprehensive re-opening strategy. [LINK](#)

COVID-19 & HEALTHCARE WORKERS

Cochrane Database of Systematic Reviews: [Personal protective equipment for preventing highly infectious diseases due to exposure to contaminated body fluids in healthcare staff](#) (Published May 15 2020)

This systematic review evaluates available evidence on which types of full-body Personal Protective Equipment (PPE) have the least risk of contamination or infection for healthcare workers; which donning or doffing methods are most effective; and which training methods increase compliance with PPE protocols. [LINK](#)

Seminars in Cardiothoracic and Vascular Anaesthesia: [Anesthesia and COVID-19: What We Should Know and What We Should Do](#) (Published April 27, 2020)

By conducting a comprehensive review of existing studies on COVID-19 and anesthesia, this article presents the epidemiological and clinical characteristics of COVID-19, reviews current medical management, and suggests ways to improve the safety of anesthetic procedures. [LINK](#)

The British Journal of Surgery: [Personal Protective Equipment \(PPE\) for Surgeons During COVID-19 Pandemic: A Systematic Review of Availability, Usage, and Rationing](#) (Published May 12, 2020)

This paper offers recommendations for appropriate PPE requirements for surgeons, and discusses usage, availability, rationing, and future solutions regarding effective PPE use. [LINK](#)

SENIORS & OTHER VULNERABLE POPULATIONS

Science Magazine: [Protecting older adults during social distancing](#) (Published March 10, 2020)

Article detailing the detrimental effect of social distancing for older adults and how we must work to prevent social distancing from becoming social isolation for this vulnerable group. [LINK](#)

MENTAL HEALTH & WELLNESS

Brain, Behaviour, and Immunity: [The differential psychological distress of populations affected by the COVID-19 pandemic](#) (Published April 15, 2020)

A pilot and cross-sectional study to identify the characteristics of psychological distress across populations affected by the COVID-19 pandemic. [LINK](#)

This **COVID-19 e-bulletin** was prepared by researchers at the Newfoundland & Labrador Centre for Applied Health Research (Kazeem Adefemi, Waseem Abu Ashour, Wendy Lasisi, and Pablo Navarro) to summarize research evidence and grey literature produced by a variety of sources that were accessed online in May, 2020.

Given the rapidly changing nature of the coronavirus pandemic, some of the references included in this e-bulletin may quickly become out-of-date. We further caution readers that researchers at the Newfoundland & Labrador Centre for Applied Health Research are not experts on infectious diseases and are relaying work produced by others. This report has been produced quickly and it is not exhaustive, nor have the included studies been critically appraised.

QUESTIONS/ SUGGESTIONS?

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