

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 six 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

The Canadian Pharmacists' Association: [Chapter on Treating COVID-19](#)

This chapter provides information for primary care practitioners on management of common symptoms such as fever, cough, and headache as well as a summary of experimental treatments being used in acute-care settings. This content will be updated regularly as new evidence becomes available. [LINK](#)

CLINICAL MANAGEMENT

Brigham and Women's Hospital: [COVID-19 Clinical Guidelines](#)

This document was prepared by, and for, healthcare and medical professionals. It is based on pertinent published medical literature, national and state guidelines, and/or expert consensus relative to COVID-19. Guidelines are updated regularly. [LINK](#)

Health Canada: [Coronavirus disease \(COVID-19\) guidance for health professionals](#)

Clinical information for healthcare professionals on COVID-19. [LINK](#)

INFECTION CONTROL

CADTH Review (Canadian Agency for Drugs and Technology in Health) [SARS-COV-2 Longevity on and Transmission via Materials: Evidence | Published April 9, 2020](#)

A limited review of evidence on the lifespan of the coronavirus (SARS- COV-2) on different materials and its potential transmission via these materials. [LINK](#)

Public Health Agency of Canada: Infection Prevention and Control for COVID-19: [Second Interim Guidance for Acute Healthcare Settings.](#)

This guidance document from PHAC provides evidence-based advice on preventing and limiting the transmission of COVID-19 in acute health care settings. It is updated regularly. [LINK](#)

Centre for Evidence-Based Medicine: [What tests could potentially be used for the screening, diagnosis and monitoring of COVID-19 and what are their advantages and disadvantages? | Published April 20, 2020](#)

A brief review of the different tests for COVID-19, their mechanisms of action, their advantages and disadvantages. [LINK](#)

The Harvard Gazette: [A five-layered defense for workplace reopening | Published April 24, 2020](#)

Insights from a Harvard University professor of Public Health on safe, low-cost, stepwise approaches for employers, building managers, and administrators to help get people back to work safely. [LINK](#)

COVID-19 & HEALTHCARE WORKERS

CADTH Review (Canadian Agency for Drugs and Technology in Health) [Optimization of N95 Respirator Masks During supply shortages - Round up | Published April 27, 2020](#)

CADTH has provided rapid review evidence on strategies to address N95 masks shortage, such as; extended use, use past shelf-lives, methods for sterilizing, and reusing N95 masks. [LINK](#)

OSF Preprints: [Decontaminating N95 masks with Ultraviolet Germicidal Irradiation \(UVGI\) does not impair mask efficacy and safety: A Systematic Review | Pre-print issued April 11, 2020](#)

This is a systematic review of evidence on the efficacy and safety of ultraviolet germicidal irradiation (UVGI) to sterilize/decontaminate N95 masks for re-use. [LINK](#)

Cochrane Library: [Personal protective equipment for preventing highly infectious diseases due to exposure to contaminated body fluids in healthcare staff | Published April 15, 2020](#)

This is a systematic review of evidence on the type of PPE, which donning/doffing methods have the least risk of contamination, and which training methods increase compliance with PPE protocols. [LINK](#)

Sage Journals Online: [Mental healthcare for medical staff and affiliated healthcare workers during the COVID-19 pandemic | Published April 28, 2020](#)

A team of UK researchers has detailed the mental health effects of dealing with the COVID-19 pandemic on healthcare staff. The article addresses some of the organizational, team and individual considerations for supporting staff (pragmatically) during this pandemic. [LINK](#)

British Columbia Ministry of Health: [COVID-19 Ethics Analysis: What is the Ethical Duty of Health Care Workers to Provide Care During COVID-19 Pandemic? | Published March 28, 2020](#)

Given the degree of potential harm to healthcare professionals from Covid-19, this guidance document considers the degree to which healthcare workers have an ethical duty to care and the circumstances under which that duty can be discharged. [LINK](#)

SENIORS & OTHER VULNERABLE POPULATIONS

Journal of Microbiology, Immunology and Infection: [COVID-19 in long-term care facilities: an upcoming threat that cannot be ignored | Published April 13, 2020](#)

This article discusses the incidence and spread of COVID-19 in LTC facilities, lessons learned from influenza and SARS, and infection control/prevention strategies in LTC settings. [LINK](#)

Journal of Microbiology, Immunology and Infection: [Recommendations for protecting against and mitigating the COVID-19 pandemic in long-term care facilities | Published April 10, 2020](#)

This article discusses the relative lack of attention to managing the pandemic in LTC facilities and argues that enhanced traffic control bundling (eTCB) can and should be adopted and implemented as a means of protecting LTC facility residents and staff. [LINK](#)

Journal of the American Geriatrics Society: [Coronavirus disease 2019 in geriatrics and long-term care: the ABCDs of COVID-19 | Published April 16, 2020](#)

This article provides information, insights, and recommended approaches to managing COVID-19 in LTC facilities. [LINK](#)

The Lancet: [COVID-19 and the consequences of isolating the elderly | Published March 20, 2020](#)

This article looks at how isolation among older adults is a serious public health concern because of the higher risk of comorbid conditions. [LINK](#)

MENTAL HEALTH & WELLNESS

Oxford University Press Schizophrenia Bulletin: [The COVID-19 global pandemic- implications for people with schizophrenia and related disorders | Published April 28, 2020](#)

This article from the *Journal of Psychoses and Related Disorders* discusses factors that put people with schizophrenia at higher risk and experiencing poor outcomes, and the impact of the pandemic on mental health impact management of patients. [LINK](#)

Psychiatry Practice Online: [Mental health care during the COVID-19 pandemic | Published in May 2020 issue](#)

This research article draws from experiences in Germany and Switzerland to provide indications for the future development of psychiatric care during the COVID-19 pandemic. [LINK](#)

The Lancet Online: [Suicide risk and prevention during the COVID-19 pandemic | Published April 21, 2020](#)

This research article looks at suicide prevention as an urgent consideration during the pandemic. [LINK](#)

Psychiatry & Clinical Neurosciences: [Addressing mental health care for bereavement during COVID-19 pandemic | Published April 17, 2020](#)

This research article discusses the need to address the mental health of people who are grieving in order to prevent psychological stress. [LINK](#)

Brazilian Journal of Epidemiology: [The increase in domestic violence during the social isolation: what does it reveal? | Published April 22, 2020](#)

This article explores the relationship between social isolation during the COVID-19 pandemic and the increase in violence against women. [LINK](#)

Journal of Clinical Nursing: [The pandemic paradox: the consequences of COVID-19 on domestic violence | Published April 12, 2020](#)

This editorial discusses the paradox of staying safe at home in relation to domestic violence during the COVID-19 pandemic. [LINK](#)

This **COVID-19 e-bulletin** was prepared by researchers at the Newfoundland & Labrador Centre for Applied Health Research to summarize research evidence and grey literature produced by a variety of sources that were accessed online in late April/early 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?

CONTACT

The Newfoundland & Labrador Centre for Applied Health Research

95 Bonaventure Avenue, Suite 300

St. John's, NL A1B 2X5

nlcahr@mun.ca

www.nlcahr.mun.ca

Newfoundland & Labrador Centre for

**APPLIED
HEALTH
RESEARCH**

www.nlcahr.mun.ca