ENVIROMENTAL HEALTH RESEARCH SCAN
WITH COVID-19 SECTIONS
VOL 5 (10) OCTOBER 2021

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Environmental Health (EH) Research Scan: Aims and Scope
NCCEH’s EH Research Scan aims to expand awareness of topics in environmental health, in line with NCCEH’s vision to be the indispensable online resource for environmental health practitioners and policy-makers across Canada. “We focus on health risks associated with the physical environment and identify evidence-based interventions to mitigate those risks.” This review is not official or peer reviewed. It does not cover all research, news, and information, and NCCEH is not responsible for the accuracy of the content from media or databases. How to access the items? Click on the link related to each entry and it should take you to the item. Not all links are open access; some are abstract links where paid journal subscription is required. COVID-19 Publications are listed in the sections above and there are also COVID-19 Additional Topics at the end of this issue.
EDITOR PICKS

Understanding transmission of SARS-CoV-2 in the ongoing COVID-19 pandemic [evidence review - updated]
Juliette O’Keefe (right), Angela Eykelbosh (Knowledge Translation Scientists, NCCEH)

“This document has been updated from previous versions to reflect new findings and provide additional information about the virus that may be relevant to the public health response.”

Staying ahead of the epidemiologic curve: evaluation of the British Columbia Asthma Prediction System (BCAPS) during the unprecedented 2018 wildfire season [journal article]
Sarah Henderson, Scientific Director, Environmental Health Services, BCCDC, and co-authors

“Daily reports from the British Columbia Asthma Prediction System (BCAPS) framework provided timely and reasonable insight into the population health impacts of predicted smoke exposures, though more work is necessary to improve the PM2.5 and health indicator forecasts.”

Changing trends in paralytic shellfish poisonings reflect increasing sea surface temperatures and practices of Indigenous and recreational harvesters in British Columbia, Canada [journal article]
Lorraine McIntyre, Environmental Health Services, BCCDC, and co-authors

“To guide understanding of self-harvesting consumption risks, we recommend collecting data to determine when PST-producing algae are present in high concentrations, improving the quality of data in online shellfish harvest maps to include dates of last testing; biotoxin testing results…”

Restorative cities: urban design for mental health and social interaction in the COVID-era. Can urban design positively affect mental health?
Jenny Roe and Layla McKay

“This article is part of a series in which OECD experts and thought leaders address the COVID-19 crisis, discussing and developing solutions now and for the future."
Book link: Restorative cities: urban design for mental health and wellbeing

Promoting the health of older adults. The Canadian experience [book]
Irving Rootman, Peggy Edwards, Mélanie Levasseur, and Frances Grunberg

“This book explores the factors and issues related to the health of older adults and is organized around the five action areas for health promotion: building healthy public policy, creating supportive environments, strengthening community action, developing personal skills, and reorienting health and social services.”
ENVIRONMENTAL HEALTH RESEARCH SCAN

SELECTED STAFF PUBLICATIONS

NCCEH


BCCDC


INDIGENOUS ENVIRONMENTAL HEALTH


AGRICULTURAL OPERATIONS


BIOLOGICAL AGENTS


BUILT ENVIRONMENT


CHEMICAL AGENTS – METALS, GENERAL


BPA, Phthalates, PFAS, SVOCs, etc


CHEMICAL AGENTS – PESTICIDES

CHEMICAL AGENTS – SHALE GAS

CHILDREN’S ENVIRONMENTAL HEALTH

CLIMATE CHANGE


COMMUNICABLE AND INFECTIOUS DISEASES
See [Covid 19 subsections](#) in this issue and in the [COVID-19 Additional Topics and Guidance](#) section at the end of this issue (e.g., Occupational Guidance, Transit, Transmission)


DRINKING WATER


EMERGENCY PREPAREDNESS


ENVIRONMENTAL HEALTH SURVEILLANCE

ENVIRONMENTAL PLANNING


FOOD

Safety


Security


GENERAL


HEALTH EQUITY


HEALTH IMPACT ASSESSMENT


INDOOR AIR


**NUISANCE CONTROL**

**OUTDOOR AIR**


PERSONAL SERVICE ESTABLISHMENTS

PEST CONTROL

PHYSICAL AGENTS

RADIATION


RECREATIONAL AND SURFACE WATER


RISK ASSESSMENT, COMMUNICATION

SENIORS’ ENVIRONMENTAL HEALTH


TOBACCO, CANNABIS


WASTE


### ZOONOSES, AMR


COVID-19 ADDITIONAL TOPICS & GUIDANCE

CONTENTS

• GUIDANCE (cleaning, face masks, hand hygiene, more)
• HOMELESS, VULNERABLE POPULATIONS, HOUSING
• MENTAL HEALTH
• MULTI-UNIT BUILDINGS
• OCCUPATIONAL GUIDANCE, MISC
• PUBLIC FACILITIES
• SURVIVAL TIME
• TRANSIT, TRANSPORTATION
• TRANSMISSION
GUIDANCE (for ‘Occupational Guidance’ – see separate topic heading)

Build Back Better


Cleaning


Face Masks


Policy


HOMELESS, VULNERABLE POPULATIONS, HOUSING

MENTAL, PHYSICAL HEALTH


MULTI-UNIT BUILDINGS

OCCUPATIONAL GUIDANCE
Occupational

PUBLIC FACILITIES
Transportation (see separate category, ‘Transit, Transportation’)

SURVIVAL TIME

TRANSIT, TRANSPORTATION


TRANSMISSION

General


Schools


Singing, Wind Instruments

Outbreaks

Variants, Vaccines


For more on environmental health information and evidence, visit NCCEH.ca