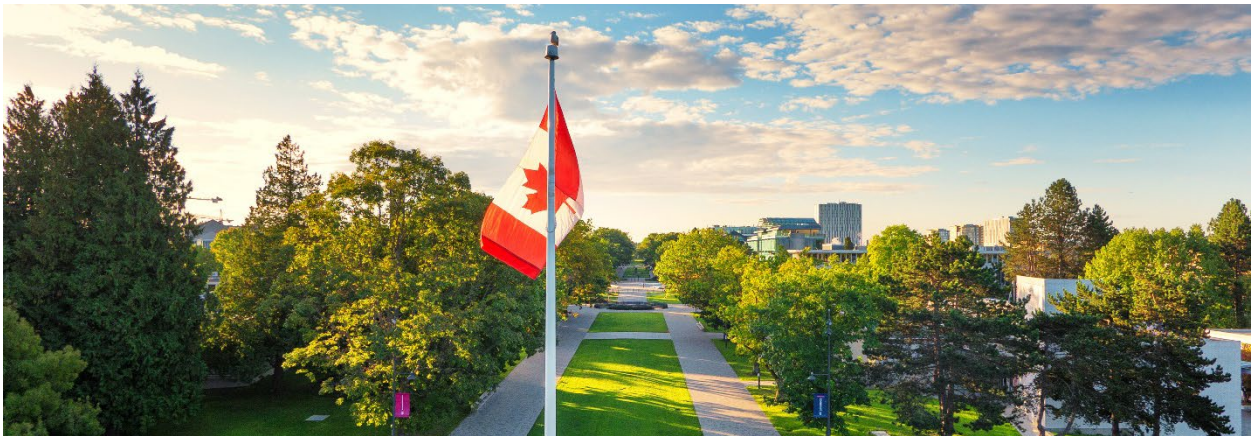
2020
EH Scan

National Collaborating Centre for Environmental Health
Centre de collaboration nationale en santé environnementale

ENVIRONMENTAL HEALTH RESEARCH SCAN

WITH COVID-19 SECTIONS

VOL 4 (7) JULY 2020



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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 within the sections above and there are also COVID-19 Additional Topics at the end of this issue.

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EDITOR PICKS

Bike sharing during COVID-19 [blog]

Shirra Freeman

"…Precautions for outdoor activities apply to all forms of cycling, but there are concerns specific to bike shares. These include potential crowding at pick-up and drop-off points and contamination of high-touch surfaces. Nevertheless, bike shares' capacity to contribute to the mobility of local populations has emerged as an advantage during the pandemic..."

COVID-19 Risks and precautions for choirs [evidence review]

Juliette O'Keeffe

"*This brief evidence review provides an overview of the key risks associated with singing in groups*."

Responding to Climate Change as Public Health Professionals [blog]

Kim Perrotta

"While COVID-19 will continue to demand our attention as public health professionals, we cannot ignore the looming public health crisis presented by climate change… more." The related webinar is available on YouTube

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The COVID-19 Pandemic and Wildfire Smoke: Potentially Concomitant Disasters

Sarah B Henderson

"As we enter the wildfire season in the northern hemisphere, the potential for a dangerous interaction between SARS-CoV-2 and smoke pollution should be recognized and acknowledged."

Regrettable replacements: the case of chemical flame retardants [blog]

Barbara Hales and Shirra Freeman

"[…] While CFRs meet certain standards for slowing the ignition and spread of fires, they also leach chemicals into indoor air and dust and have been found in food and water….more"

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ENVIRONMENTAL HEALTH RESEARCH SCAN

SELECTED STAFF PUBLICATIONS

NCCEH

1. Freeman S. **Bike sharing during COVID-19 [blog]**. Vancouver, BC: National Collaborating Center for Environmental Health; 2020 06 16 Jun 16. Available from: https://ncceh.ca/content/blog/bike-sharing-during-covid-19.
2. Hales B, Freeman S. **Regrettable replacements: the case of chemical flame retardants [blog]**. Vancouver, BC: National Collaborating Center for Environmental Health; 2020 07 08 Jul 8. Available from: https://ncceh.ca/content/blog/regrettable-replacements-case-chemical-flame-retardants.
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6. Perrotta K. **Responding to climate change as public health professionals [blog]**. Vancouver, BC: National Collaborating Centre for Environmental Health; 2020 06 16 Jun 16. Available from: https://ncceh.ca/content/blog/responding-climate-change-public-health-professionals.

BCCDC

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INDIGENOUS ENVIRONMENTAL HEALTH

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3. Nunavik Regional Board of Health and Social Services. **Recommendations for the Reopening of Youth Centres in Nunavik**. Nunavik: NRBHSS; 2020. Available from: http://nrbhss.ca/sites/default/files/covid19/Recommendations_for_Reopening_of_Youth_Centres_in_Nunavik_EN.pdf.
4. Ottawa Public Health. **Resources for First Nations, Inuit and Métis Community Members**. Ottawa, ON: OPH; 2020 Jun. Available from: https://www.ottawapublichealth.ca/en/public-health-topics/resources-for-first-nations-inuit-and-m-tis-community-members.aspx.

AGRICULTURAL OPERATIONS

1. Migrant Worker Health Project Expert Working Group. **Recommendations for Overcoming Health Challenges Faced Migrant Agricultural Workers during the COVID-19-Virus Pandemic***. Toronto, ON: Wilfrid Laurier University; 2020 Jun 1. Available from: http://www.migrantworker.ca/wp-content/uploads/2020/06/HC-recommendations-June-1-2020.pdf.
2. Quebec Agriculture Pecheries et Alimentation. **Coronavirus (COVID-19) Le MAPAQ vous informe - Réponses aux questions sur le coronavirus (COVID-19) - Transmission**. QC: MAPAQ; 2020. Available from: https://www.mapaq.gouv.qc.ca/SiteCollectionDocuments/Avis_publicite/COVID-19-Questions-reponsesMAPAQ_Eng.pdf.

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BUILT ENVIRONMENT

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Office of the Mayor and the Baltimore Development Corporation, in partnership with local nonprofit the Neighborhood Design Center; 2020 Jun 29. Available from: https://static1.squarespace.com/static/5ec2e7939ccfe46b4d0946b4/t/5efe3629cbffa3052c3193b8/1593718320561/Ideas_Guidebook_Final.pdf.

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10. Eidelman G, Bradford N. **The Case for a Canadian Urban Policy Observatory**. Toronto, ON: Canadian Urban Institute; 2020 Jun. Available from: https://canurb.org/publications/the-case-for-a-canadian-urban-policy-observatory/.
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CHEMICAL AGENTS – METALS, GENERAL

General

1. Baensch-Baltruschat B, Kocher B, Stock F, Reifferscheid G. Tyre and road wear particles (TRWP) - A review of generation, properties, emissions, human health risk, ecotoxicity, and fate in the environment. Sci Total Environ. 2020;733:N.PAG-N.PAG. Available from: https://www.sciencedirect.com/science/article/pii/S0048969720313358.
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BPA, Pthalates, etc

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EDCs? Toxicol in Vitro. 2020:104861. Available from: http://www.sciencedirect.com/science/article/pii/S0887233320303209.

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1. Chanchlani N, Buchanan F, Gill PJ. **Addressing the indirect effects of COVID-19 on the health of children and young people**. Can Med Assoc J. 2020:cmaj.201008. Available from: https://www.cmaj.ca/content/cmaj/early/2020/06/24/cmaj.201008.full.pdf.
2. Courtney D, Watson P, Battaglia M, Mulsant BH, Szatmari P. **COVID-19 Impacts on Child and Youth Anxiety and Depression: Challenges and Opportunities**. Can J Psychiatry. 2020:706743720935646. Available from: https://www.ncbi.nlm.nih.gov/pubmed/32567353.
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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., Cleaning, Temperature Scanning)

DRINKING WATER

1. Shutler J, Zaraska K, Holding TM, Machnik M, Uppuluri K, Ashton I, et al. **Risk of SARS-CoV-2 infection from contaminated water systems**. medRxiv. 2020:2020.06.17.20133504. Available from: https://www.medrxiv.org/content/medrxiv/early/2020/06/20/2020.06.17.20133504.full.pdf.

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ENVIRONMENTAL HEALTH SURVEILLANCE

ENVIRONMENTAL PLANNING

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TOBACCO, CANNABIS

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National Collaborating Centre for Environmental Health

Centre de collaboration nationale en santé environnementale

COVID-19 ADDITIONAL TOPICS & GUIDANCE

CONTENTS

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- HOMELESS, VULNERABLE POPULATIONS, HOUSING
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- MULTI-UNIT BUILDINGS
- OCCUPATIONAL GUIDANCE, MISC
- PUBLIC FACILITIES
- SURVIVAL TIME
- TRANSIT, TRANSPORTATION
- TRANSMISSION

GUIDANCE (for 'Occupational Guidance' – see separate topic heading)

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