

ENVIRONMENTAL HEALTH RESEARCH SCAN

VOL 8 (1) JANUARY 2024



<p><u>AIR QUALITY</u></p> <ul style="list-style-type: none"> • Indoor air • Outdoor air • Radon, Other 	<p><u>CLIMATE CHANGE</u></p> <ul style="list-style-type: none"> • Extreme weather • Flooding • Sea level rise • Wildfires, Other 	<p><u>DISEASES, VECTORS, PESTS</u></p> <ul style="list-style-type: none"> • COVID-19 • Animal vectors • Insect vectors • Pests, Other
<p><u>FOOD</u></p> <ul style="list-style-type: none"> • Food safety • Food security • Growing food, Other 	<p><u>BUILT ENVIRONMENT</u></p> <ul style="list-style-type: none"> • Green & blue spaces • Housing • Noise • Planning & design • Transportation, Other 	<p><u>PUBLIC HEALTH FUNDAMENTALS</u></p> <ul style="list-style-type: none"> • Communication • Health promotion • Health impact assessment • Health equity • One Health, Other
<p><u>WATER</u></p> <ul style="list-style-type: none"> • Drinking water • Recreational water • Small water systems • Wastewater, Other 	<p><u>NON-CLIMATE RELATED DISASTERS</u></p> <ul style="list-style-type: none"> • Earthquakes • Marine • Terrestrial, Other 	<p><u>OTHER TOPICS</u></p> <ul style="list-style-type: none"> • Cannabis products • Tobacco, nicotine products • Ionizing, non-ionizing radiation • Personal services establishments, Other
<p><u>SPECIFIC POPULATIONS</u> (children, Indigenous Peoples, older adults, other)</p>		

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. This research scan is not peer reviewed; it does not cover all research, news, and information, and NCCEH is not responsible for the accuracy of the content from media or databases. Not all links are open access; some are abstract links where paid journal subscription is required.

FEATURED PICKS FROM 2023

2024 Core competencies for public health in Canada [blog].
National Collaborating Centres for Public Health

The National Collaborating Centres for Public Health are committed to seeking input from a broad and diverse range of perspectives that make up the public health community in Canada. This project will engage and collaborate with key public...



Staying current with Canadian Drinking Water Guidelines [blog].
Juliette O’Keeffe, Knowledge Translation Scientist, NCCEH

Staying up to date with changes to Canadian Drinking Water Guidelines (CDWG) can be challenging for those involved in the assessment of drinking water quality and management of drinking water supplies.



Identifying health priorities in sea level rise adaptation planning [evidence review].

Tracey Wade, CLIMAtlantic in partnership with NCCEH

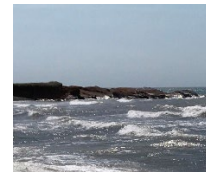
This report sought to understand how health could be better considered in adaptation planning for sea level rise.



A synthesis of project findings: sea level rise and public health implications [evidence brief].

Tracey Wade, CLIMAtlantic in partnership with NCCEH

This project considered the potential direct and indirect health impacts of sea level rise on coastal communities, and how better to incorporate health considerations into adaptation planning.



Psychosocial impacts of disasters: resources for mitigation, response and recovery [subject guide].

National Collaborating Centre for Environmental Health

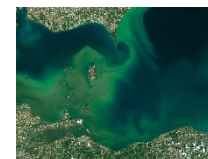
This topic page introduces concepts of community resilience and well-being and the types of interventions that can be used pre- and post-disaster to build resilience; lists tools and other resources; and provides examples of long-term psychosocial monitoring studies.



Cyanobacteria in fresh water [subject guide].

National Collaborating Centre for Environmental Health

The resources presented are intended to assist public health practitioners to be aware of the health effects that may arise from exposure to cyanobacteria and cyanotoxins; understand what is known about exposure to cyanotoxins in different...



Extreme heat [subject guide].

National Collaborating Centre for Environmental Health

This guide aims to provide a list of curated resources about preparing for and responding to extreme heat events. The sections list resources directed at individuals, households, communities, public health professionals and policy-makers, and risk communication for extreme heat events are also shared.



The health impacts of drought [subject guide].

National Collaborating Centre for Environmental Health

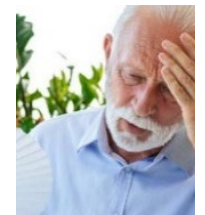
The resources presented provide information for monitoring and forecasting drought across Canada, as well as the connection between drought and human health. Adaptation strategies for drought are also highlighted.



Preventing indoor overheating [subject guide].

National Collaborating Centre for Environmental Health

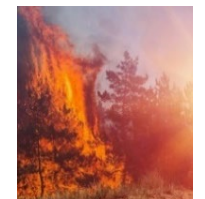
The resources listed are intended to help environmental public health professionals improve their understanding of infrastructural and behavioural risk factors that contribute to indoor overheating in Canada and the strategies that can mitigate these risks.



Wildfire, smoke, and health [subject guide].

National Collaborating Centre for Environmental Health

The resources listed are intended to assist public health practitioners, decision-makers, and the public by providing guidance regarding public health impacts, community preparedness, risk communication and response to wildfires and wildfire smoke.



Rapid review: What is the evidence for the effectiveness of public health interventions, and their potential unintended consequences, to reduce the direct and indirect health impacts of exposure to wildfires, including wildfire smoke and combined heat-wildfire smoke events?

National Collaborating Centre for Methods and Tools, National Collaborating Centre for Environmental Health

There is limited evidence evaluating the effectiveness of public health interventions on...



Floods: prevention, preparedness, response and recovery [subject guide].

National Collaborating Centre for Environmental Health

This topic page provides a collection of key resources on preventing extreme flooding and mitigating its risks, as well as resources to assist during the response and recovery phases.



Reflections on supporting community psychosocial well-being after a flood [blog].

Maxine Myre and Nicole Glen, PolicyWise for Children and Families

In this blog, we summarize our webinar panel discussion in which we dialogued with four disaster recovery professionals about their experiences of supporting mental health and psychosocial recovery across Canada.



Mould: assessment, remediation and building for resilience [subject guide]. National Collaborating Centre for Environmental Health

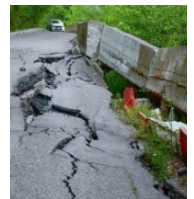
Public health inspectors and other environmental health professionals may be tasked with addressing public inquiries about indoor mould, conducting walk-through investigations, and/or reviewing microbial laboratory reports from surface or air sampling.



Earthquake resources for environmental public health professionals [subject guide]. National Collaborating Centre for Environmental Health

National Collaborating Centre for Environmental Health

This subject guide addresses the specific tools that EPH professionals may require to prepare for and respond to a catastrophic earthquake. Each of the sections offers resources to support EPH practice areas, including assessing public health needs...



Ticks in a changing climate [brochure]

National Collaborating Centre for Environmental Health

This easy-to-reference resource summarizes how best to design and manage outdoor environments to reduce tick habitat, and outlines steps one should take to reduce the risk of getting bitten by a tick when recreating or working outdoors. It is intended for parks professionals and users, landscape designers, and residential property owners.



Ticks in a changing climate: resources for environmental health professionals [subject guide]

National Collaborating Centre for Environmental Health

The resources listed are intended to assist Environmental Public Health Professionals understand and address the changing risk of tick-borne disease transmission in Canada.



Reducing tick-related risks through improved design and maintenance in outdoor environments [blog].

Negar Elmieh, Knowledge Translation Scientist, NCCEH

This blog summarizes the key messages from a [series of NCCEH evidence-based reviews](#), a [fact sheet](#), and an accompanying [webinar](#) examining tick-related risks in parks and recreational areas.



Urban rewilding and public health considerations [evidence brief].

Leah Rosenkrantz, Knowledge Translation Scientist, NCCEH

Given the close proximity of dense population centers to urban rewilding initiatives, it is important to consider the ways in which urban rewilding might impact human health...



Bed bugs back in view [blog].

Juliette O’Keeffe, Knowledge Translation Scientist, NCCEH

This blog provides some context to this issue and highlights recent information and resources for environmental public health professionals (EPHPs), including an updated [NCCEH subject guide on bed bugs](#).



Bed bugs [subject guide].

National Collaborating Centre for Environmental Health

*The resources listed are intended to provide information **on** bed bug identification and prevention, advice on managing infestations in specific settings, the possible health effects of bed bugs, and the use of various control measures, including pesticides.*



Foodborne illness outbreaks: recommendations for collaborative investigations [evidence review].

Ken Diplock in partnership with NCCEH

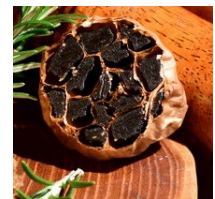
This is the third of three documents that explore the collaborative investigation of FBI outbreaks in Canada, emphasizing the role of Environmental Public Health Professionals.



Black garlic: food safety considerations during production and storage [evidence review].

Tina Chen, Knowledge Translation Scientist, NCCEH

This evidence brief will discuss the potential food safety risks associated with the production of black garlic and how to mitigate these risks.



Pulsed electric fields: a potential alternative technology for parasite control in fish [evidence brief].

Tina Chen, Knowledge Translation Scientist, NCCEH

High-intensity pulsed electric fields is one of the non-thermal food processing technologies that holds the most promise in its ability to inactivate parasites in fish and retain sensory properties comparable to fresh fish, which is desired by consumers...



Fermented foods safety guidance: a new resource for public health practitioners [blog].

Kelsey James

The guidance website is a tool that can be used by PHIs, food safety staff, and owners and operators of food processing facilities.



Avian influenza A(H5N1) and the continuing outbreak [evidence brief].

Juliette O’Keeffe, Knowledge Translation Scientist, NCCEH

Environmental public health practice has an important role to play in delivering on a One Health approach by: leading on risk communication to the public and high-risk groups; identifying important environmental drivers of transmission...



Alternative disposition services: green burial, alkaline hydrolysis and human composting [evidence review].

Juliette O’Keeffe (right) - Knowledge Translation Scientists, NCCEH

Public interest in new ways to dispose of human remains (alternative disposition services), is growing, driven in part by consumer demand for more sustainable funeral options. Alternatives include green burial, alkaline hydrolysis, and human composting.



2023-2024 Research Scans

National Collaborating Centre for Environmental Health

These monthly Research Scans highlights recent environmental health publications by topic and provides easy access to article abstracts and report summaries to support public health professionals, researchers, planners, students, and others working in public health.



Videos and Tools

National Collaborating Centre for Environmental Health

NCCEH has resources on dozens of important environmental health topics presented in various forms including [Evidence Reviews](#), [Evidence Briefs and Research Scans](#), [Subject Guides](#), [Blogs](#), [Webinar Recordings](#), and [Videos and Tools](#). Please see [this page](#) for more information concerning these document types.



Upcoming Webinars, Webinar Recordings

National Collaborating Centre for Environmental Health

The NCCEH Environmental Health webinars enable sharing and exchanging of knowledge for environmental health professionals through online presentations on current and emerging topics.



ENVIRONMENTAL HEALTH RESEARCH SCAN

1. Johnston FH, Williamson G, Borchers-Arriagada N, Henderson SB, Bowman DMJS. **Climate change, landscape fires, and human health: a global perspective.** *Annu Rev Public Health.* 2024;45(1):null. Available from: <https://www.annualreviews.org/doi/abs/10.1146/annurev-publhealth-060222-034131>.
2. National Collaborating Centre for Environmental Health. **NCCEH eNews (December 2023): Bed bugs back in view; more...** Vancouver, BC: NCCEH; 2023 12 14 Dec 14. Available from: https://app.cyberimpact.com/newsletter-view-online?ct=bNKJgXmxTjLQfiT9rP0WeZg8ZDJjNLTL6BSA00Mf79TVezXXz7AnhDG2ypVRIsQxJCjEGTa iWVq_gjVOBEo_Ag~.
3. National Collaborating Centre for Environmental Health. **December research scan.** Vancouver, BC: NCCEH; 2023 12 14 Dec 14. Available from: <https://ncceh.ca/sites/default/files/2023-12/NCCEH%20Research%20Scan%20-202312.pdf>.

SELECTED PUBLICATIONS

1. AIR QUALITY

INDOOR AIR

1. Rojas G, Fletcher M, David J, Siddall M. **A review of the indoor air quality in residential Passive House dwellings.** *Energy Build.* 2024:113883. Available from: <https://www.sciencedirect.com/science/article/pii/S0378778823011131>.

OUTDOOR AIR

1. D'Amato G, D'Amato M. **Climate Change, Air Pollution and Respiratory Health.** In: Akhtar R, editor. *Climate Change and Human Health Scenarios: International Case Studies.* Cham: Springer Nature Switzerland; 2023. p. 213-27. Available from: https://doi.org/10.1007/978-3-031-38878-1_14.
2. Washington State Department of Ecology. **Improving Air Quality in Overburdened Communities Highly Impacted by Air Pollution.** Olympia, WA: Washington State; 2023 Dec. Available from: <https://apps.ecology.wa.gov/publications/UIPages/documents/2302115.pdf>.

RADON, OTHER

1. Bishop J. **A Canadian First Nations radon assessment and COVID-19 restrictions: A difficult pairing.** *Journal of Community Safety and Well-Being.* 2023;8(4):181-4. Available from: <https://www.journalcswb.ca/index.php/cswb/article/view/320>.

2. FOOD

FOOD SAFETY

1. Brauge T, Mougin J, Ells T, Midelet G. **Sources and contamination routes of seafood with human pathogenic *Vibrio* spp.: A Farm-to-Fork approach.** *Compr Rev Food Sci Food Saf.* 2024;23(1):1-25. Available from: <https://ift.onlinelibrary.wiley.com/doi/abs/10.1111/1541-4337.13283>.
2. British Columbia Centre for Disease Control. **Safety of fermented foods. 3.9 Fermented food guidance for: tempeh.** Vancouver, BC: National Collaborating Centre for Environmental Health; 2023 12 01 Dec. Available from: <http://www.bccdc.ca/resource-gallery/Documents/Educational%20Materials/EH/FPS/Food/Fermented/Fermented%20Foods%20Guidance%20-%203.9%20Tempeh.pdf?cldee=1Cvm9TYcORmyxUtV28tTaOWSTpXAFncG20MSojdCwx0AVURv19TaSyMqrQgs6Vyo&recipientid=contact-c7ccc0a5b4a2e611837d0050569e0009-34167641f94249e4a8e39bdfdc7cad06&esid=89e5cded-b49a-ee11-818e-005056ad61b6>.
3. British Columbia Centre for Disease Control. **Safety of fermented foods. 3.8 Fermented food guidance for: natto.** Vancouver, BC: National Collaborating Centre for Environmental Health; 2023 12 01 Dec. Available from: <http://www.bccdc.ca/resource-gallery/Documents/Educational%20Materials/EH/FPS/Food/Fermented/Fermented%20Foods%20Guidance%20-%203.8%20Natto.pdf?cldee=1Cvm9TYcORmyxUtV28tTaOWSTpXAFncG20MSojdCwx0AVURv19TaSyMqrQgs6Vyo&recipientid=contact-c7ccc0a5b4a2e611837d0050569e0009-34167641f94249e4a8e39bdfdc7cad06&esid=89e5cded-b49a-ee11-818e-005056ad61b6>.
4. Folliero V, Ricciardi M, Dell'Annunziata F, Pironti C, Galdiero M, Franci G, et al. **Deployment of a Novel Organic Acid Compound Disinfectant against Common Foodborne Pathogens.** *Toxics.* 2022;10(12):768. Available from: <https://www.mdpi.com/2305-6304/10/12/768>.
5. Forsyth JE, Baker M, Nurunnahar S, Islam S, Islam MS, Islam T, et al. **Food safety policy enforcement and associated actions reduce lead chromate adulteration in turmeric across Bangladesh.** *Environ Res.* 2023;232:116328. Available from: <https://www.sciencedirect.com/science/article/pii/S0013935123011325>.
6. Forsyth JEE, Mistree D, Angrish M, Nash E, Luby S. **Elevated Turmeric Lead Levels Threaten Public Health Across South Asia.** SSRN. 2023. Available from: <http://dx.doi.org/10.2139/ssrn.4673680>.
7. Makri A. **Ending lead poisoning by tainted spices.** *The Lancet.* 2023;402(10415):1822. Available from: [https://doi.org/10.1016/S0140-6736\(23\)02562-X](https://doi.org/10.1016/S0140-6736(23)02562-X).
8. Tchou-San-Da N, Chen D, Piesik C. **Public Health Risks and External Food Safety in the Canadian Marketplace.** *BCIT Environmental Public Health Journal.* 2023. Available from: <https://journals.bcit.ca/index.php/ehj/article/view/228>.

FOOD SECURITY

1. Plourde Y. **Creating a better food system: Reinventing the way we grow food in cities.** In: Zhang MW, editor. Strategic Management and Sustainability Transitions. 1 ed: Routledge; 2024. p. 119-35. Available from: <https://go.exlibris.link/V1w3l8YL>.

GROWING FOOD, OTHER

1. Bieri D, Joshi N, Wende W, Kleinschroth F. **Increasing demand for urban community gardening before, during and after the COVID-19 pandemic.** Urban For Urban Green. 2024:128206. Available from: <https://www.sciencedirect.com/science/article/pii/S1618866724000037>.
2. Korpelainen H. **The Role of Home Gardens in Promoting Biodiversity and Food Security.** Plants (Basel). 2023;12(13). Available from: <https://www.ncbi.nlm.nih.gov/pubmed/37447034>.
3. Miron IJ, Linares C, Diaz J. **The influence of climate change on food production and food safety.** Environ Res. 2023;216(Pt 3):114674. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/36341795>.

3. WATER

DRINKING WATER

RECREATIONAL WATER

1. Health Canada. **Guidelines for Canadian Recreational Water Quality Guideline Technical Document – Microbiological Pathogens and Biological Hazards.** Ottawa, ON: Government of Canada; 2023 Oct. Available from: <https://www.canada.ca/en/services/health/publications/healthy-living/guidelines-canadian-drinking-water-quality-guideline-technical-document-microbiological-pathogens-biological-hazards.html>.
2. Simon DF, Munoz G, Dinh QT, Duy SV, Kavanagh K, Smith R, et al. **Adopt a Lake: Successfully Tracking Harmful Cyanobacterial Blooms in Canadian Surface Waters Through Citizen Science.** Citizen Science: Theory and Practice. 2023;8(1). Available from: <https://theoryandpractice.citizenscienceassociation.org/articles/10.5334/cstp.655>.

SMALL WATER SYSTEMS

WASTEWATER, OTHER

1. Azevedo A, Cardoso TAO, Cohen SC. **Could Necroleachate Be the Cemetery's Sewage? A Panorama from Brazilian Legislation.** *Int J Environ Res Public Health.* 2023 10 20;20(19). Available from: <https://doi.org/10.3390%2Fijerph20196898>.
2. Richardson CM, Davis KL, Ruiz-González C, Guimond JA, Michael HA, Paldor A, et al. **The impacts of climate change on coastal groundwater.** *Nature Reviews Earth & Environment.* 2024. Available from: <https://doi.org/10.1038/s43017-023-00500-2>.

4. CLIMATE CHANGE

EXTREME WEATHER

1. Akhtar R. **Introduction: Climate Change and Human Health Scenarios.** In: Akhtar R, editor. *Climate Change and Human Health Scenarios: International Case Studies.* Cham: Springer Nature Switzerland; 2023. p. 1-12. Available from: https://doi.org/10.1007/978-3-031-38878-1_1.
2. Butler CD. **Chapter 11 - Climate change and human health: Primary, secondary, and tertiary effects.** In: Letcher TM, editor. *Living with Climate Change: Elsevier;* 2024. p. 213-40. Available from: <https://www.sciencedirect.com/science/article/pii/B9780443185151000071>.
3. Carlsten C, Brauer M, Camp PG, Nesbitt L, Turner J. **British Columbia, Canada, as a bellwether for climate-driven respiratory and allergic disorders.** *J Allergy Clin Immunol.* 2023;152(5):1087-9. Available from: <https://www.sciencedirect.com/science/article/pii/S0091674923011983>.
4. Community Solutions Network. **Progressing to resilience: a climate risk and resilience self-assessment tool for communities.** Evergreen, Future Cities Canada; 2024. Available from: <https://futurecitiescanada.ca/portal/wp-content/uploads/sites/2/2023/11/csn-community-resilience-self-assessment-toolkit-nov-2023-final.pdf>.
5. Conaty S, Ghosh S, Ashraf K, et al. **Heat illness presentations to emergency departments in Western Sydney: surveillance for environmental, personal and behavioural risk factors.** 2023. Available from: <https://apo.org.au/node/325216>.
6. Copernicus. **2023 is the hottest year on record, with global temperatures close to the 1.5°C limit.** Reading, UK | Bologna, Italy | Bonn, Germany: Copernicus; 2024 Jan 9. Available from: <https://climate.copernicus.eu/copernicus-2023-hottest-year-record#:~:text=Global%20surface%20air%20temperature%20highlights%3A&text=2023%20marks%20the%20first%20time,than%202%C2%B0C%20warmer>.
7. Ebi KL, Berry P. **Chapter 15. Developing and implementing interventions for health adaptation.** In: Levy BS, Patz JA, editors. *Climate change and public health.* London, UK: Oxford; 2024. Available from: [https://books.google.ca/books?hl=en&lr=&id=3QDsEAAAQBAJ&oi=fnd&pg=PA321&dq=\(%22extreme+weather%22+OR+%22climate+change%22\)+AND+\(canada+OR+%22British+Columbia%22+OR+atlantic+OR+%22first+nations%22+OR+indigenous\)&ots=47SzqUUaXe&sig=0MdA1WVvf3hXyJli0QPYPpCp-rM#v=onepage&q=\(%22extreme%20weather%22%20OR%20%22climate%20change%22\)%20AN](https://books.google.ca/books?hl=en&lr=&id=3QDsEAAAQBAJ&oi=fnd&pg=PA321&dq=(%22extreme+weather%22+OR+%22climate+change%22)+AND+(canada+OR+%22British+Columbia%22+OR+atlantic+OR+%22first+nations%22+OR+indigenous)&ots=47SzqUUaXe&sig=0MdA1WVvf3hXyJli0QPYPpCp-rM#v=onepage&q=(%22extreme%20weather%22%20OR%20%22climate%20change%22)%20AN)

[D%20\(canada%20OR%20%22British%20Columbia%22%20OR%20atlantic%20OR%20%22first%20Onations%22%20OR%20indigenous\)&f=false.](#)

8. Fagan MJ, Vanderloo LM, Banerjee A, Ferguson LJ, Lee E-Y, O'Reilly N, et al. **Assessing Support for Policy Actions With Co-Benefits for Climate Change and Physical Activity in Canada.** J Phys Act Health. 2023;1-10. Available from: <https://journals.humankinetics.com/view/journals/jpah/aop/article-10.1123-jpah.2023-0617/article-10.1123-jpah.2023-0617.xml>.
9. Haigh F, Crimeen A, Green L, et al. **Developing a climate change inequality health impact assessment for health services**2023. Available from: <https://apo.org.au/node/325218>.
10. Kim DA, Lindquist BD, Shen SH, Wagner AM, Lipman GS. **A body bag can save your life: a novel method of cold water immersion for heat stroke treatment.** J Am Coll Emerg Physicians Open. 2020;1(1):49-52. Available from: <https://doi.org/10.1002%2Femp2.12007>.
11. Kirschbaum MUF, Cowie AL, Peñuelas J, Smith P, Conant RT, Sage RF, et al. **Is tree planting an effective strategy for climate change mitigation?** Sci Total Environ. 2024;909:168479. Available from: <https://doi.org/10.1016/j.scitotenv.2023.168479>.
12. Luedders J, Poole JA, Rorie AC. **Extreme Weather Events and Asthma.** Immunol Allergy Clin North Am. 2024;44(1):35-44. Available from: <https://doi.org/10.1183%2F16000617.0019-2023>.
13. ReTooling for Climate Change. **Human activity is driving a changing climate.** Vancouver, BC: ReTooling for Climate Change; 2023; Available from: <https://retooling.ca/>.
14. Rose D, Birchall SJ. **Strengthening health-focused climate adaptation in Canada: Barriers and interventions.** Canadian Geographies / Géographies canadiennes. 2023. Available from: <https://onlinelibrary.wiley.com/doi/abs/10.1111/cag.12894>.
15. Wilkinson SJ, Ghosh S, Pelleri N. **Mandatory or voluntary approaches to green roof implementation: a comparative study among some global cities.** J Environ Planning Manage. 2024;67(2):334-55. Available from: <https://doi.org/10.1080/09640568.2022.2113768>.
16. Wu J, Wu Y, Wu Y, Yang R, Yu H, Wen B, et al. **The impact of heat waves and cold spells on pneumonia risk: A nationwide study.** Environ Res. 2024;245:117958. Available from: <https://www.sciencedirect.com/science/article/pii/S0013935123027627>.

FLOODING

1. Sparling E, Eyzaguirre J, Wale J. **Turning the tide. How flood risk transparency can drive equitable outcomes in Canada.** Canadian Climate Institute; 2024. Available from: <https://climateinstitute.ca/wp-content/uploads/2024/01/Turning-the-tide.pdf>.

SEA LEVEL RISE

WILDFIRES, OTHER

1. Balmes JR, Holm SM. **Increasing wildfire smoke from the climate crisis: Impacts on asthma and allergies.** *J Allergy Clin Immunol.* 2023;152(5):1081-3. Available from: <https://www.sciencedirect.com/science/article/pii/S0091674923011879>.
2. Brigham E, Crocker ME. **Adaptation in real time: Wildfire smoke exposure and respiratory health.** *Respirology.* 2024;29(1):18-20. Available from: <https://onlinelibrary.wiley.com/doi/abs/10.1111/resp.14624>.
3. Burbank AJ, Espallat AE, Hernandez ML. **Community- and neighborhood-level disparities in extreme climate exposure: Implications for asthma and atopic disease outcomes.** *J Allergy Clin Immunol.* 2023;152(5):1084-6. Available from: <https://www.sciencedirect.com/science/article/pii/S0091674923011946>.
4. Cherbuin N, Bansal A, Dahlstrom JE, Carlisle H, Broom M, Nanan R, et al. **Bushfires and Mothers's Mental Health in Pregnancy and Recent Post-Partum.** *Int J Environ Res Public Health.* 2024;21(1):7. Available from: <https://www.mdpi.com/1660-4601/21/1/7>.
5. Erni S, Wang X, Swystun T, Taylor SW, Parisien M-A, Robinne F-N, et al. **Mapping wildfire hazard, vulnerability, and risk to Canadian communities.** *International Journal of Disaster Risk Reduction.* 2023:104221. Available from: <https://www.sciencedirect.com/science/article/pii/S221242092300701X>.
6. Evans C, Bonada A, Feltmate B. **Wildfire-ready. Practical guidance to strengthen the resilience of Canadian homes and communities.** Waterloo, ON: Intact Centre on Climate Adaptation, University of Waterloo; 2023 Dec. Available from: <https://www.intactcentreclimateadaptation.ca/>.
7. Foo D, Stewart R, Heo S, Dhamrait G, Choi HM, Song Y, Bell ML. **Wildfire smoke exposure during pregnancy and perinatal, obstetric, and early childhood health outcomes: A systematic review and meta-analysis.** *Environ Res.* 2024;241. Available from: <https://doi.org/10.1016/j.envres.2023.117527>.
8. Isaac F, Toukhsati SR, Klein B, Di Benedetto M, Kennedy GA. **Differences in Anxiety, Insomnia, and Trauma Symptoms in Wildfire Survivors from Australia, Canada, and the United States of America.** *Int J Environ Res Public Health.* 2024;21(1):38. Available from: <https://www.mdpi.com/1660-4601/21/1/38>.
9. Jiao A, Headon K, Han T, Umer W. **Associations between short-term exposure to wildfire particulate matter and respiratory outcomes: A systematic review.** *Sci Total Environ.* 2024;907.
10. Johnston FH, Williamson G, Borchers-Arriagada N, Henderson SB, Bowman DMJS. **Climate change, landscape fires, and human health: a global perspective.** *Annu Rev Public Health.* 2024;45(1):null. Available from: <https://www.annualreviews.org/doi/abs/10.1146/annurev-publhealth-060222-034131>.
11. Kim AM, Beverly JL, Al Zahid A. **Directional analysis of community wildfire evacuation capabilities.** *Saf Sci.* 2024;171:106378. Available from: <https://www.sciencedirect.com/science/article/pii/S092575352300320X>.

12. Kinney PL, Ge B, Sampath V, Nadeau K. **Health-based strategies for overcoming barriers to climate change adaptation and mitigation.** *J Allergy Clin Immunol.* 2023;152(5):1053-9. Available from: <https://www.sciencedirect.com/science/article/pii/S0091674923011910>.
13. Meadows R. **Climate Change, Wildfires, and Health in Canada.** In: Akhtar R, editor. *Climate Change and Human Health Scenarios: International Case Studies.* Cham: Springer Nature Switzerland; 2023. p. 385-97. Available from: https://doi.org/10.1007/978-3-031-38878-1_24.
14. Raab H, Moyer J, Afrin S, Garcia-Menendez F, Ward-Caviness CK. **Prescribed fires, smoke exposure, and hospital utilization among heart failure patients.** *Environ Health.* 2023;22(1):86. Available from: <https://doi.org/10.1186/s12940-023-01032-4>.
15. Rice RB, Boaggio K, Olson NE, Foley KM, Weaver CP, Sacks JD, et al. **Wildfires Increase Concentrations of Hazardous Air Pollutants in Downwind Communities.** *Environ Sci Tech.* 2023;57(50):21235-48. Available from: <https://doi.org/10.1021/acs.est.3c04153>.
16. Schollaert CL, Jung J, Wilkins J, Alvarado E, Baumgartner J, Brun J, et al. **Quantifying the smoke-related public health trade-offs of forest management.** *Nature Sustainability.* 2023. Available from: <https://doi.org/10.1038/s41893-023-01253-y>.
17. Shachaf H, Price C, Rostkier-Edelstein D, Mass C. **On the potential of using smartphone sensors for wildfire hazard estimation.** *Nat Hazards Earth Syst Sci Discuss.* 2024;2024:1-18. Available from: <https://nhess.copernicus.org/preprints/nhess-2023-211/>.
18. Shum C, Zhong L. **Wildfire-resilient mechanical ventilation systems for single-detached homes in cities of Western Canada.** *Sustainable Cities and Society.* 2022;79:103668. Available from: <https://www.sciencedirect.com/science/article/pii/S2210670722000026>.
19. UK Health Security Agency. **Health Effects of Climate Change (HECC) in the UK: 2023 report. Chapter 10. Wildfires and health.** London, UK: UK Health Security Agency; 2023. Available from: <https://assets.publishing.service.gov.uk/media/65705b7a7391350013b03bbc/HECC-report-2023-chapter-10-wildfires.pdf>.

5. BUILT ENVIRONMENT

GREEN & BLUE SPACES

1. Robinson JM, Breed AC, Camargo A, Redvers N, Breed MF. **Biodiversity and human health: A scoping review and examples of underrepresented linkages.** *Environ Res.* 2024;246:118115. Available from: <https://www.sciencedirect.com/science/article/pii/S0013935124000197>.
2. Stryer SB. **Using Nature Prescriptions to Reconnect People With the Outdoors and Improve Health and Well Being.** *Am J Health Promot.* 2024;38(1):140-2. Available from: <https://journals.sagepub.com/doi/abs/10.1177/08901171231210806d>.
3. Vegaraju A, Amiri S. **Urban green and blue spaces and general and mental health among older adults in Washington state: Analysis of BRFSS data between 2011-2019.** *Health Place.* 2024;85:103148. Available from: <https://www.sciencedirect.com/science/article/pii/S1353829223001855>.

HOUSING

NOISE

PLANNING & DESIGN

1. Birkenfeld C, Victoriano-Habit R, Alousi-Jones M, Soliz A, El-Geneidy A. **Who is living a local lifestyle? Towards a better understanding of the 15-minute-city and 30-minute-city concepts from a behavioural perspective in Montréal, Canada.** Journal of Urban Mobility. 2023;3:100048. Available from: <https://www.sciencedirect.com/science/article/pii/S2667091723000043>.
2. Doiron D, Setton E, Seyer J, Redivo A, McKee A, Noaen M, et al. **HealthyPlan.City: A Web Tool to Support Urban Environmental Equity and Public Health in Canadian Communities.** 2023 Dec. Available from: <http://dx.doi.org/10.21203/rs.3.rs-3798128/v1>.
3. HealthyDesign.City. **Tools.** Available from: <https://healthydesign.city/tools/>.
4. HealthyDesign.City. **HealthyPlan.City.** Available from: <https://healthyplan.city/en>.
5. Litman T. **Cool Walkability Planning.** Victoria, BC: Victoria Transport Policy Institute; 2023 Nov. Available from: <https://www.vtpi.org/cwi.pdf>.
6. Prior J, Legg R, McIntyre E. **A participatory system map of the adverse influence of urban environments on population health: integrating urban development and preventive health expertise.** 2023. Available from: <https://apo.org.au/node/325217>.
7. Tefera Y, Soebarto V, Bishop C, Kandulu J, Williams C. **A Scoping Review of Urban Planning Decision Support Tools and Processes That Account for the Health, Environment, and Economic Benefits of Trees and Greenspace.** Int J Environ Res Public Health. 2024;21(1):48. Available from: <https://www.mdpi.com/1660-4601/21/1/48>.

TRANSPORTATION, OTHER

1. Ontario Agency for Health Protection and Promotion (Public Health Ontario). **Effectiveness of Engineering Interventions on Road Safety.** Toronto, ON: King's Printer for Ontario; 2023 Nov. Available from: https://www.publichealthontario.ca/-/media/Documents/E/2023/effectiveness-engineering-interventions-road-safety.pdf?rev=4fe4f52f81f148d3b3678ee0bf4a44a5&sc_lang=en&cldee=1Cvm9TYcORmyxUtV28tTaOWSTpXAFncG20MSojdCwx0AVURv19TaSyMqrQgs6Vyo&recipientid=contact-c7ccc0a5b4a2e611837d0050569e0009-34167641f94249e4a8e39bdfdc7cad06&esid=89e5cded-b49a-ee11-818e-005056ad61b6.

2. Robillard A, Boisjoly G, van Lierop D. **Transit-oriented development and bikeability: Classifying public transport station areas in Montreal, Canada.** Transport Policy. 2023. Available from: <https://www.sciencedirect.com/science/article/pii/S0967070X23003402>.

6. NON-CLIMATE RELATED DISASTERS

EARTHQUAKES

MARINE

TERRESTRIAL, OTHER

1. BC Public Safety and Emergency Services. **Get prepared for winter weather and storms.** Victoria, BC: Government of British Columbia; 2024. Available from: <https://www2.gov.bc.ca/gov/content/safety/emergency-management/preparedbc/know-your-hazards/severe-weather/storms>.
2. Kleemann K, Mseba A. **Hazards and disasters. Locusts, earthquakes, volcanoes, floods, droughts.** In: O’Gorman E, San Martín W, Carey M, Swart S, editors. The Routledge Handbook of Environmental History. London, UK: Routledge; 2023. Available from: <https://www.taylorfrancis.com/chapters/edit/10.4324/9781003189350-14/hazards-disasters-katrin-kleemann-admire-mseba>.
3. Public Health Agency of Canada. **Emergency preparedness and response.** Ottawa, ON: Government of Canada; 2023 Dec 11. Available from: <https://www.canada.ca/en/public-health/services/emergency-preparedness-response.html>.
4. Public Health Agency of Canada. **Generating Knowledge for a Health Promotion Approach to Emergencies.** Ottawa, ON: Government of Canada; 2023 11 27 Nov 27. Available from: <https://www.canada.ca/en/public-health/corporate/publications/chief-public-health-officer-reports-state-public-health-canada/state-public-health-canada-2023/research-priorities.html>.
5. Public Safety Canada. **National Risk Profile. A national emergency preparedness and awareness tool.** Ottawa, ON: Public Safety Canada; 2023 May. Available from: <https://www.publicsafety.gc.ca/cnt/rsrscs/pblctns/2023-nrp-pnr/2023-nrp-pnr-en.pdf>.

7. DISEASES, VECTORS, PESTS

COVID-19

1. Health Canada. **COVID-19 epidemiology update: Testing and variants**. Ottawa, ON: Government of Canada; 2024; Available from: <https://health-infobase.canada.ca/covid-19/testing-variants.html#a2>.
2. Luo H, Zhang S, Zhong L. **Ultraviolet germicidal irradiation: A prediction model to estimate UV-C-induced infectivity loss in single-strand RNA viruses**. Environ Res. 2024;241:117704-. Available from: <https://go.exlibris.link/YPDXKq7d>.
3. Ontario Agency for Health Protection and Promotion (Public Health Ontario). **Outbreak Preparedness, Prevention and Management in Congregate Living Settings**. Toronto, ON: King's Printer for Ontario; 2023 Nov. Available from: https://www.publichealthontario.ca/-/media/Documents/O/2023/outbreak-preparedness-prevention-management-congregate-living.PDF?rev=617c3be44f2f48dca3d13d3ce260ec1b&sc_lang=en&cldee=1Cvm9TYcORmyxUtV28tTaOWSTpXAFncG20MSojdCwx0AVURv19TaSyMqrQgs6Vyo&recipientid=contact-c7ccc0a5b4a2e611837d0050569e0009-34167641f94249e4a8e39bdfdc7cad06&esid=89e5cded-b49a-ee11-818e-005056ad61b6.
4. Varela-Lasheras I, Perfeito L, Mesquita S, Gonçalves-Sá J. **The effects of weather and mobility on respiratory viruses dynamics before and during the COVID-19 pandemic in the USA and Canada**. PLOS Digital Health. 2023;2(12):e0000405. Available from: <https://doi.org/10.1371/journal.pdig.0000405>.
5. Zeilinger EL, Brunevskaya N, Wurzer J, Oberleiter S, Fries J, Fuchs A, et al. **Effectiveness of cloth face masks to prevent viral spread: a meta-analysis**. J Public Health. 2023. Available from: <https://doi.org/10.1093/pubmed/fdad205>.

ANIMAL VECTORS

1. Giacinti JA, Signore AV, Jones MEB, Bourque L, Lair S, Jardine C, et al. **Avian influenza viruses in wild birds in Canada following incursions of highly pathogenic H5N1 virus from Eurasia in 2021/2022**. bioRxiv. 2023:2023.11.23.565566. Available from: <https://www.biorxiv.org/content/biorxiv/early/2023/11/24/2023.11.23.565566.full.pdf>.

INSECT VECTORS

1. Bergevin Md, Ng V, Sadeghieh T, Menzies P, Ludwig A, Mubareka S, Clow KM. **A Scoping Review on the Epidemiology of Orthobunyaviruses in Canada, in the Context of Human, Wildlife, and Domestic Animal Host Species**. Vector-Borne and Zoonotic Diseases. 2024. Available from: <https://www.liebertpub.com/doi/abs/10.1089/vbz.2023.0109>.
2. Bowser N, Bouchard C, Sautié Castellanos M, Baron G, Carabin H, Chuard P, et al. **Self-reported tick exposure as an indicator of Lyme disease risk in an endemic region of Quebec, Canada**. Ticks Tick Borne Dis. 2024;15(1):102271. Available from: <https://www.sciencedirect.com/science/article/pii/S1877959X23001528>.

3. Crandall KE, Kerr J, Millien V. **Pathogen presence, prevalence, and diversity in Ixodes scapularis and mammal hosts at their expanding northern range limits.** *Front Parasitol.* 2023;2. Available from: <https://www.frontiersin.org/articles/10.3389/fpara.2023.1272790/abstract>.
4. Eisen L. **Efficacy of Unregulated Minimum Risk Products to Kill and Repel Ticks.** *Emerg Infect Dis.* 2024;30(1):1-7. Available from: <https://doi.org/10.3201%2Feid3001.230813>.
5. Eisen RJ, Eisen L. **Evaluation of the association between climate warming and the spread and proliferation of Ixodes scapularis in northern states in the Eastern United States.** *Ticks Tick Borne Dis.* 2024;15(1):102286. Available from: <https://www.sciencedirect.com/science/article/pii/S1877959X2300167X>.
6. Talbot B, Kulkarni MA, Rioux-Rousseau M, Siebels K, Kotchi SO, Ogden NH, Ludwig A. **Ecological Niche and Positive Clusters of Two West Nile Virus Vectors in Ontario, Canada.** *Ecohealth.* 2023. Available from: <https://doi.org/10.1007/s10393-023-01653-8>.
7. Urcuqui-Bustamante AM, Leahy JE, Sponarski C, Gardner AM. **Collaborative Modeling of the Tick-Borne Disease Social-Ecological System: A Conceptual Framework.** *Ecohealth.* 2024. Available from: <https://doi.org/10.1007/s10393-023-01669-0>.

PESTS, OTHER

1. Ermonval M, Morand S. **Viral Zoonoses: Interactions and Factors Driving Virus Transmission.** *Viruses.* 2024;16(1):9. Available from: <https://www.mdpi.com/1999-4915/16/1/9>.
2. Standley CJ, Fogarty AS, Miller LN, Sorrell EM. **One Health Systems Assessments for Sustainable Capacity Strengthening to Control Priority Zoonotic Diseases Within and Between Countries.** *Risk Manag Healthc Policy.* 2023;16:2497-504. Available from: <https://doi.org/10.2147/rmhp.s428398>.

8. PUBLIC HEALTH FUNDAMENTALS

COMMUNICATION

HEALTH PROMOTION

HEALTH IMPACT ASSESSMENT

1. Public Health Agency of Canada. **Risk assessments for public health professionals.** Ottawa, ON: Government of Canada; 2023 [updated Sep 8]; Available from: <https://www.canada.ca/en/public-health/services/emergency-preparedness-response/rapid-risk-assessments-public-health-professionals.html>.

HEALTH EQUITY

ONE HEALTH, OTHER

1. Bourne S, Kothari A, Wathen N, Polzer J. **The dimensional structure of the barriers to research utilization experienced by Environmental Health Officers in Canada.** *Environ Health Rev.* 2023;66(1):3-11. Available from: <https://pubs.ciphi.ca/doi/abs/10.5864/d2023-001>.
2. Fok N. **Relevant research article summaries.** *Environ Health Rev.* 2023;66(1):21-4. Available from: <https://pubs.ciphi.ca/doi/abs/10.5864/d2023-004>.
3. Sekercioglu F, Jahangir YT, Korpikoski A-M, Young I, Meldrum R. **Understanding the multidimensional aspects of quality of work-life of Environmental Public Health Professionals in Canada.** *Environ Health Rev.* 2023;66(1):13-9. Available from: <https://pubs.ciphi.ca/doi/abs/10.5864/d2023-002>.

9. OTHER TOPICS

CANNABIS PRODUCTS

TOBACCO, NICOTINE PRODUCTS

1. Popova L, Massey ZB, Giordano NA. **Warning Labels as a Public Health Intervention: Effects and Challenges for Tobacco, Cannabis, and Opioid Medications.** *Annu Rev Public Health.* 2024;45(1):null. Available from: <https://www.annualreviews.org/doi/abs/10.1146/annurev-publhealth-060922-042254>.
2. Tao X, Zhang J, Meng Q, Chu J, Zhao R, Liu Y, et al. **The potential health effects associated with electronic-cigarette.** *Environ Res.* 2024;245:118056. Available from: <https://www.sciencedirect.com/science/article/pii/S0013935123028608>.

IONIZING, NON-IONIZING RADIATION

1. Ontario Agency for Health Protection and Promotion (Public Health Ontario). **Health Effects of Radiofrequency Electromagnetic Fields, Including 5G (1st revision).** Toronto, ON: King's Printer for Ontario; 2023 Nov. Available from: https://www.publichealthontario.ca/-/media/Documents/H/2022/health-effects-radio-frequency-electromagnetic-fields-5G.pdf?rev=449a888df3f543708314337fed91f2af&sc_lang=en&cldee=1Cvm9TYcORmyxUtV28tTaOWSTpXAFncG20MSojdCwx0AVURv19TaSyMqrQgs6Vyo&recipientid=contact-

[c7ccc0a5b4a2e611837d0050569e0009-34167641f94249e4a8e39bdfdc7cad06&esid=89e5cded-b49a-ee11-818e-005056ad61b6](https://doi.org/10.1016/j.envres.2023.117451).

- Ramirez-Vazquez R, Escobar I, Vandenbosch GAE, Arribas E. Personal exposure to radiofrequency electromagnetic fields: A comparative analysis of international, national, and regional guidelines. *Environ Res.* 2024;246:118124. Available from: <https://www.sciencedirect.com/science/article/pii/S0013935124000288>.

PERSONAL SERVICES ESTABLISHMENTS, CHEMICALS, OTHER

- Duh-Leong C, Maffini MV, Kassotis CD, Vandenberg LN, Trasande L. **The regulation of endocrine-disrupting chemicals to minimize their impact on health.** *Nature Reviews Endocrinology.* 2023;19(10):600-14. Available from: <https://doi.org/10.1038/s41574-023-00872-x>.
- Foster SA, Kile ML, Hystad P, Diamond ML, Jantunen LM, Mandhane PJ, et al. **Organophosphate ester flame retardants and plasticizers in house dust and mental health outcomes among Canadian mothers: A nested prospective cohort study in CHILD.** *Environ Res.* 2024;240. Available from: <https://doi.org/10.1016/j.envres.2023.117451>.
- Gasparyan L, Duc J, Claustre L, Bosson-Rieutort D, Bouchard M, Bouchard MF, et al. **Density and proximity of oil and gas wells and concentrations of trace elements in urine, hair, nails and tap water samples from pregnant individuals living in Northeastern British Columbia.** *Environ Int.* 2023;108398. Available from: <https://www.sciencedirect.com/science/article/pii/S0160412023006712>.
- Gewurtz SB, Auyeung AS, De Silva AO, Teslic S, Smyth SA. **Per- and polyfluoroalkyl substances (PFAS) in Canadian municipal wastewater and biosolids: Recent patterns and time trends 2009 to 2021.** *Sci Total Environ.* 2024;912:168638. Available from: <https://www.sciencedirect.com/science/article/pii/S0048969723072662>.
- Kek HY, Tan H, Othman MHD, Nyakuma BB, Ho WS, Sheng DDCV, et al. **Critical review on airborne microplastics: An indoor air contaminant of emerging concern.** *Environ Res.* 2024;245:118055. Available from: <https://www.sciencedirect.com/science/article/pii/S0013935123028591>.
- Milne MH, De Frond H, Rochman CM, Mallos NJ, Leonard GH, Baechler BR. **Exposure of U.S. adults to microplastics from commonly-consumed proteins.** *Environ Pollut.* 2024;343:123233. Available from: <https://www.sciencedirect.com/science/article/pii/S0269749123022352>.
- Ponce G, Bourgault M-H, Gagné M, Pereg D, Valcke M. **Logigramme d'aide à la décision pour la présence des substances per- et polyfluoroalkylées (PFAS) dans l'eau potable.** Montreal, QC: Institut national de santé publique; 2023 Oct. Available from: <https://www.inspq.qc.ca/publications/3402>.

10. SPECIFIC POPULATIONS

CHILDREN

1. James AA, OShaughnessy KL. **Environmental chemical exposures and mental health outcomes in children: a narrative review of recent literature.** *Frontiers in Toxicology.* 2023;5. Available from: <https://www.frontiersin.org/articles/10.3389/ftox.2023.1290119>.
2. Karaba Bäckström M, Lundgreen E, Slaug B. **Mitigating the effects of climate change in children's outdoor play environments.** *Scandinavian Journal of Occupational Therapy.* 2024;31(1):1-13. Available from: <https://doi.org/10.1080/11038128.2023.2275697>.
3. Liu Y, Geng X, Smargiassi A, Fournier M, Gamage SM, Zalzal J, et al. **Changes in industrial air pollution and the onset of childhood asthma in Quebec, Canada.** *Environ Res.* 2024;243:117831. Available from: <https://www.sciencedirect.com/science/article/pii/S001393512302635X>.
4. Zheng J, Zhang H, Shi J, Li X, Zhang J, Zhang K, et al. **Association of air pollution exposure with overweight or obesity in children and adolescents: A systematic review and meta-analysis.** *Sci Total Environ.* 2024;910. Available from: <https://doi.org/10.1016/j.scitotenv.2023.168589>.

INDIGENOUS PEOPLES

1. Brubacher LJ, Chen TT-W, Longboat S, Dodd W, Peach L, Elliott SJ, et al. **Climate change, biodiversity loss, and Indigenous Peoples' health and wellbeing: a systematic umbrella review protocol.** *Systematic Reviews.* 2024;13(1):8. Available from: <https://doi.org/10.1186/s13643-023-02423-x>.
2. Climate Atlas of Canada. Indigenous knowledges. Indigenous ways of knowing and being are critical for understanding, observing, and addressing climate change.; Available from: <https://climateatlas.ca/indigenous>.
3. Drysdale M, Ratelle M, Majowicz SE, Brammer J, Gamberg M, Skinner K, Laird B. **Traditional Food Consumption and Other Determinants of Exposure for Lead, Cobalt, Manganese, and Hexachlorobenzene in Northern Canada.** *Arctic.* 2023;76(3). Available from: <https://journalhosting.ucalgary.ca/index.php/arctic/article/view/78205>.
4. Goldblatt A, Bostoen K. **Alberta Environment and Protected Areas Indigenous Lake Monitoring Program Evaluation report.** Edmonton, AB: Government of Alberta; 2023 Mar. Available from: <https://open.alberta.ca/dataset/51fabf8f-ec1a-424f-8cff-e0c2f9a3121b/resource/7b267dc2-6408-4070-8127-6b904cef9d1c/download/epa-indigenous-lake-monitoring-program-evaluation-report-2023.pdf>.
5. Jarillo S, Crivelli C. **Perspectives on Indigenous well-being and climate change adaptation.** *WIREs Climate Change.* 2023:e877. Available from: <https://wires.onlinelibrary.wiley.com/doi/abs/10.1002/wcc.877>.
6. Johansen BE. **The Inuit (and Others): If it Swims, It's Probably Poisonous.** *Resource Devastation on Native American Lands: Toxic Earth, Poisoned People.* Cham: Springer International Publishing; 2023. p. 115-50. Available from: https://doi.org/10.1007/978-3-031-21896-5_6.
7. Lavallee BS. **Community Resilience and Creating Capacities for Risk Reduction in First Nations Communities, Case Study in Minegoziibe Anishinabe (Pine Creek First Nation).** Capstone Collection: School for International Training; 2023. Available from: <https://digitalcollections.sit.edu/capstones/3303/>.

OLDER ADULTS

1. Lim M, Qualter P, Ding D. **Advancing loneliness and social isolation as global health challenges: taking three priority actions**2023. Available from: <https://apo.org.au/node/324274>.
2. Liu Y, Salbach NM, Webber SC, Barclay R. **Individual and environmental variables related to outdoor walking among older adults: Verifying a model to guide the design of interventions targeting outdoor walking**. PLoS ONE. 2024;19(1):e0296216. Available from: <https://doi.org/10.1371/journal.pone.0296216>.
3. Meade RD, McCourt ER, McCormick JJ, Boulay P, Sigal RJ, Kenny GP. **Body Core Temperature After Foot Immersion and Neck Cooling in Older Adults Exposed to Extreme Heat**. JAMA. 2023. Available from: <https://doi.org/10.1001/jama.2023.24417>.
4. Pettigrew S, Jongenelis M, Dana L. **Testing campaign slogans designed to motivate older people to be more physically active**2023. Available from: <https://apo.org.au/node/324326>.
5. Sturge J, Miedema E, Elf M, Nordin S. **Socially sustainable housing and built environments to support the health and social inclusion of older adults: protocol for a scoping review and stakeholder consultation**. BMJ Open. 2023;13(12):e075447. Available from: <https://doi.org/10.1136%2Fbmjopen-2023-075447>.

For more on environmental health information and evidence, visit [NCCEH.ca](https://www.ncceh.ca)

To provide feedback on this document, please visit www.ncceh.ca/en/document_feedback

This document can be cited as: National Collaborating Centre for Environmental Health. Environmental health research scan. Vancouver, BC: NCCEH. 2024 January.

Permission is granted to reproduce this document in whole, but not in part. Production of this document has been made possible through a financial contribution from the Public Health Agency of Canada through the National Collaborating Centre for Environmental Health.