

# ENVIRONMENTAL HEALTH RESEARCH SCAN

VOL 9 (9) SEPTEMBER 2025



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

## EDITOR PICKS

Supporting environmental health officers in food premise inspections – A new field guide for ready-to-eat meats food safety considerations [journal article].

Tina Chen, Environmental Health and Knowledge Translation Scientist, NCCEH

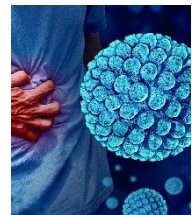
*“This article will provide a brief overview of the new Ready-to-eat Meats Field Guide developed by the National Collaborating Centre for Environmental Health, which discusses general food safety considerations of RTE meat production.”*



Examining climate-driven influences in norovirus transmission and disease patterns [evidence review].

Tina Chen, Environmental Health and Knowledge Translation Scientist, NCCEH

*“Norovirus is the leading cause of acute gastroenteritis, with incidence and outbreaks influenced by seasonal patterns. This evidence review examines how climate change may influence the spread of norovirus and its survival in the environment.”*



Drinking water guidelines and governance [subject guide].

National Collaborating Centre for Environmental Health

*“The resources listed here include links to documents and websites outlining guidelines and governance of drinking water at the federal, provincial, and territorial levels, and academic literature examining drinking water management and governance in Canada.”*



Small drinking water systems and private wells [subject guide].

National Collaborating Centre for Environmental Health

*“The resources listed here are intended to assist environmental public health professionals and those responsible for managing small drinking water systems and non-municipal supplies to understand key water parameters and factors affecting...”*



Legionella

National Collaborating Centre for Environmental Health

*“The resources listed here are intended to highlight sources of exposure, approaches to managing Legionella in buildings, responses to Legionella outbreaks and the corrective actions requires, and emerging issues such as climate change and how it affects the...”*

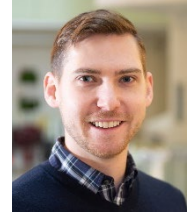


## EDITOR PICKS, CONTINUED

Woodsmoke and diesel exhaust: Distinct transcriptomic profiles in the human airway epithelium [journal article].

Ryan Huff, Environmental Health and Knowledge Translation Scientist, NCCEH, and co-authors

*“We demonstrate that two major air pollution sources modulate different genes and pathways in human bronchial epithelial cells, with minimal overlap...”*



Understanding the role of environmental health in One Health using foodborne outbreak case studies [evidence brief].

Negar Elmieh, Environmental Health and Knowledge Translation Scientist, NCCEH

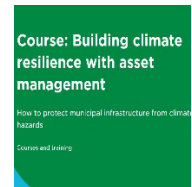
*“Through the examination of three foodborne outbreak case studies, this evidence brief highlights how a One Health approach can inform and strengthen environmental public health practice.”*



Course: Building climate resilience with asset management

Green Municipal Fund

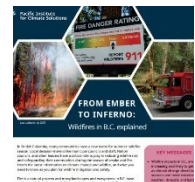
*“This free, 10-module course is self-paced, with each module taking approximately 30-45 minutes to complete. It is designed for municipal practitioners from communities of all sizes, who are already familiar with the basic concepts of climate resilience and are looking to take their planning to the next level.”*



From ember to inferno: wildfires in BC explained.

Pacific Institute for Climate Solutions

*“Wildfire impacts in B.C. are increasing and likely to get worse as climate change drives longer fire seasons and more extreme fire weather, drought, and lightning. Local, regional, and First Nations governments have a key role in wildfire mitigation....”*



Covering wildfire: a toolkit for editors, reporters, and media professionals.

Simon Fraser University’s Mitigating Wildfire Initiative

*“This toolkit offers practical ideas for strengthening wildfire reporting, grounded in the insights of journalists, editors, fire professionals, and community leaders. It focuses on seven key pathways that can serve as essential steps towards building more holistic....”*



NCCEH eNews (Aug 2025): A public health companion for ASHRAE Guideline 44: Protecting building occupants from smoke during wildfire and prescribed burn events; more... NCCEH

*This monthly eNews highlights recent environmental health publications and more!*



Aug 2025 research scan.  
National Collaborating Centre for Environmental Health



Beyond sustainability: the power of Indigenous healthy energy homes.  
September 17, 2025 - *Maria Shallard, Carlyn Allary, Kayla Fayant*



## ENVIRONMENTAL HEALTH RESEARCH SCAN

### SELECTED RESOURCES

1. Chen T. **Supporting environmental health officers in food premise inspections – A new field guide for ready-to-eat meats food safety considerations.** *Environ Health Rev.* 2025;68(3):47-50. Available from: <https://pubs.ciphi.ca/doi/abs/10.5864/d2025-009>.
2. Chen T. **Examining climate-driven influences in norovirus transmission and disease patterns [evidence review].** 2025 Sep. Available from: <https://ncceh.ca/resources/evidence-reviews/examining-climate-driven-influences-norovirus-transmission-and-disease>.
3. Elmieh N. **Understanding the role of environmental health in One Health using foodborne outbreak case studies.** 2025 Sep. Available from: <https://ncceh.ca/resources/evidence-briefs/understanding-role-environmental-health-one-health-using-foodborne>.
4. Huff RD, Rider CF, Lo T, Hardy KI, El-Bittar N, Ryu MH, et al. **Woodsmoke and diesel exhaust: Distinct transcriptomic profiles in the human airway epithelium.** *Ecotoxicol Environ Saf.* 2025;302:118566. Available from: <https://www.sciencedirect.com/science/article/pii/S014765132500911X>.
5. National Collaborating Centre for Environmental Health. **Drinking water guidelines and governance [subject guide].** Vancouver, BC: NCCEH; 2025 Aug. Available from: <https://ncceh.ca/resources/subject-guides/drinking-water-guidelines-and-governance>.
6. National Collaborating Centre for Environmental Health. **Aug research scan.** Vancouver, BC: NCCEH; 2025 Aug. Available from: <https://ncceh.ca/sites/default/files/2025-08/NCCEH%20Research%20Scan%20-202508.pdf>.
7. National Collaborating Centre for Environmental Health. **NCCEH eNews (Aug 2025): A public health companion for ASHRAE Guideline 44: Protecting building occupants from smoke during wildfire and prescribed burn events; more...** Vancouver, BC: NCCEH; 2025 Aug. Available from: [https://app.cyberimpact.com/newsletter-view-online?ct=EoAheoxTW8t9MWZJ-D3\\_lagrcaq0y47EOH7ZwhB75AZGbHBo\\_m5rPIBOLTovOerFRhQP0uOIEtwNSqnf24Lo2mpJltMBWp70rh68YRFMMzGiWiVe3jT3mTNvnCBuEmw](https://app.cyberimpact.com/newsletter-view-online?ct=EoAheoxTW8t9MWZJ-D3_lagrcaq0y47EOH7ZwhB75AZGbHBo_m5rPIBOLTovOerFRhQP0uOIEtwNSqnf24Lo2mpJltMBWp70rh68YRFMMzGiWiVe3jT3mTNvnCBuEmw).
8. National Collaborating Centre for Environmental Health. **Small drinking water systems and private wells [subject guide].** Vancouver, BC: NCCEH; 2025 Aug. Available from: <https://ncceh.ca/resources/subject-guides/small-drinking-water-systems-and-private-wells>.

## 1. AIR QUALITY

### INDOOR AIR

1. Brugge D, Eliasziw M, Thanikachalam M, Kuchhal V, Morson C, Vazquez-Dodero T, et al. **Effect of HEPA Filtration Air Purifiers on Blood Pressure.** *JACC.* 2025;86(8):577-89. Available from: <https://doi.org/10.1016/j.jacc.2025.06.037>.
2. CIRES and Colorado Department of Public Health & Environment (CDPHE) experts. **How to mitigate post-fire smoke impacts in your home.** Boulder, CO: CIRES; 2025; Available from: <https://cires.colorado.edu/news/how-mitigate-post-fire-smoke-impacts-your-home>.
3. IQ Air. **How to restore your indoor air quality after a wildfire.** Steinach, Switzerland,: IQAir; 2025 [updated Jan 13]; Available from: <https://www.iqair.com/us/newsroom/how-to-restore-your-indoor-air-quality-after-a-wildfire>.
4. McGarry P, Morawska L, Lekamge SA, Witts S. **Addressing actual and community expectations on CO2 concentrations within indoor spaces – A reasonably practicable methodology using CO2 concentration to assess ventilation quality to indoor spaces.** *Indoor Environments.* 2025;2(3):100101. Available from: <https://www.sciencedirect.com/science/article/pii/S295036202500030X>.
5. Reid C. **Wildfire smoke inside homes can create health risks that linger for months – tips for cleaning and staying safe.** *The Conversation*; 2025 Jan. Available from: <https://theconversation.com/wildfire-smoke-inside-homes-can-create-health-risks-that-linger-for-months-tips-for-cleaning-and-staying-safe-247050>.
6. Robertson NM, Qiu A, Raju S, McCormack MC, Koehler K. **Cleaning indoor air—what works for respiratory health: An updated literature review and recommendations.** *J Allergy Clin Immunol.* 2024;154(4):847-60. Available from: <https://www.sciencedirect.com/science/article/pii/S0091674924008613>.
7. Saghir S, Bancroft J, Ansari R. **Molds and mycotoxins indoors II: Toxicological perspective.** *Arch Clin Toxicol.* 2025;7(1):8-40. *Archives of Clinical Toxicology.* 2025 08 01;7(1). Available from: <https://www.probiologists.com/article/molds-and-mycotoxins-indoors-ii-toxicological-perspective>.
8. Salonen H, Salthammer T, Castagnoli E, Täubel M, Morawska L. **Cleaning products: Their chemistry, effects on indoor air quality, and implications for human health.** *Environ Int.* 2024;190:108836. Available from: <https://www.sciencedirect.com/science/article/pii/S0160412024004227>.
9. Samiul Islam FA. **Enhancing Indoor Environmental Air Quality through Smoke Ventilation in Buildings.** *American Journal of Civil Engineering and Constructions.* 2025;1(1):1-15. Available from: <https://journals.e-palli.com/home/index.php/ajcec/article/view/4739>.
10. Wennberg P. **Hazards of Smoke and Tips for Cleaning After Fires.** Caltech; 2025. Available from: <https://scienceexchange.caltech.edu/topics/sustainability/ask-expert-sustainability/wildfire-california-hazards-of-smoke-paul-wennberg>.

11. Zabihi M, Li R, Brinkerhoff J. **A Novel Aerosol Induction-Removal System for Mitigating Airborne Disease Transmission in Shared Indoor Environments.** *Build Environ.* 2025;113569. Available from: <https://www.sciencedirect.com/science/article/pii/S0360132325010418>.

#### OUTDOOR AIR

1. Hamanaka RB, Mutlu GM. **Particulate matter air pollution: effects on the respiratory system.** *The Journal of Clinical Investigation.* 2025;135(17). Available from: <https://doi.org/10.1172/JCI194312>.
2. Huff RD, Rider CF, Lo T, Hardy KI, El-Bittar N, Ryu MH, et al. **Woodsmoke and diesel exhaust: Distinct transcriptomic profiles in the human airway epithelium.** *Ecotoxicol Environ Saf.* 2025;302:118566. Available from: <https://www.sciencedirect.com/science/article/pii/S014765132500911X>.
3. Park M, Mohsen ST, Katz T, Sood S, Sy SMT, Rochweg B, et al. **Climate Conditions, Weather Changes, and Air Pollutants and Atopic Dermatitis: A Meta-Analysis.** *JAMA Dermatology.* 2025. Available from: <https://doi.org/10.1001/jamadermatol.2025.1790>.
4. Slimi K, Chrouda A, F.-Öztop H. **Traffic effects on global warming: A review.** *Renewable and Sustainable Energy Reviews.* 2026;226:116248. Available from: <https://www.sciencedirect.com/science/article/pii/S1364032125009219>.

#### RADON, OTHER

1. Gigante G, Antignani S, Di Carlo C, Loret N, Bochicchio F. **Decoding indoor radon: An explainable AI approach to quantifying building, environmental, and inhabitants' contributions.** *Sci Total Environ.* 2025;998:180244. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/40818390>.
2. Overcenco AV, Coretchi LS. **Impact of Climate Change on Indoor Radon Concentrations as a Current Public Health Challenge.** *Environ Health (Wash).* 2025;3(7):705-13. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/40704081>.

## 2. FOOD

#### FOOD SAFETY

1. Charlebois S. **Cultivating tomorrow: agri-food trends in Canada.** *Canadian Journal of Plant Science.* 2025;105:1-4. Available from: <https://cdnsiencepub.com/doi/abs/10.1139/cjps-2024-0163>.
2. Chen T. **Supporting environmental health officers in food premise inspections – A new field guide for ready-to-eat meats food safety considerations.** *Environ Health Rev.* 2025;68(3):47-50. Available from: <https://pubs.ciphi.ca/doi/abs/10.5864/d2025-009>.

3. Chen T. **Examining climate-driven influences in norovirus transmission and disease patterns [evidence review]**. 2025 09 20 Sep. Available from: <https://ncceh.ca/resources/evidence-reviews/examining-climate-driven-influences-norovirus-transmission-and-disease>.
4. Expert Panel on Atypical Food Production Technologies for Canadian Food Security. **The Next Course**. Ottawa, ON: Council of Canadian Academies; 2024. Available from: <https://cca-reports.ca/reports/technologies-for-canadian-food-security/>.
5. Health Canada. **Notice: Classification of topical products containing human-derived exosomes, human extracellular vesicles, and/or human cell-conditioned media**. Ottawa, ON: Health Canada; 2025 Aug 14. Available from: <https://www.canada.ca/en/health-canada/programs/consultation-classification-topical-products-containing-human-derived-exosomes-extracellular-vesicles-cell-conditioned-media/notice.html>.
6. Merks H, Iqbal A, Measures L, Dixon BR. **Toxoplasma gondii and related parasites in beluga (Delphinapterus leucas) harvested as country foods by Inuit hunters in Nunavut, Canada**. Arctic Science. 2025;11:1-10. Available from: <https://cdnsiencepub.com/doi/abs/10.1139/as-2024-0023>.
7. Parker EM, Mollenkopf DF, Li C, Ballash GA, Wittum TE. **Pet treats, Salmonella, and antimicrobial resistance; a One Health problem**. Prev Vet Med. 2025;244:106622. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/40645129>.

#### FOOD SECURITY

1. Bajaj K, Ramankutty N, Mehrabi Z, Meyfroidt P, Dowlatabadi H. **Cross-border climate risks of Canada's fruit and vegetable supply**. ESS Open Archive. 2025. Available from: <https://essopenarchive.org/doi/full/10.22541/essoar.175087325.57474154>.
2. Blair V, Eville E, Johnson C, Monahan H. **Equity-oriented food supports: Learnings from the Nova Scotia COVID-19 pandemic response**. Can J Public Health. 2025;116(1):50-8. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/39249734>.
3. Carss JG. **Feeding our friends: an assessment of the Prince Rupert food system through a social-ecological resilience lens**. Burnaby, BC: Simon Fraser University; 2025 03 17. Available from: <https://summit.sfu.ca/item/39303>.
4. CIFAR Discovery Panel. **The future of food**. Toronto, ON: Canadian Institute for Advanced Research; 2025. Available from: <https://cifar.ca/wp-content/uploads/2024/09/Future-of-Food-2025-EN.pdf>.

#### GROWING FOOD, OTHER

1. Food and Agriculture Organization of the United Nations. **Modern indoor farming and food safety. A review of hazards, controls and regulatory consideration**. Rome, Italy: FAO; 2025. Available from: <https://openknowledge.fao.org/items/3934c285-1ef2-4da3-8993-c6211576b9c7>.

2. Vermeulen SJ, Campbell BM, Ingram JSI. **Climate Change and Food Systems**. Ann Rev Environ Resourc. 2012;37(Volume 37, 2012):195-222. Available from: <https://www.annualreviews.org/content/journals/10.1146/annurev-environ-020411-130608>.
3. Zhang J, Song S, He L, Li AJ, You J, Zhang T. **Transformation Products of Neonicotinoids: A Review of Human Exposure, Toxicity, and Health Risks**. Environ Sci Tech. 2025. Available from: <https://doi.org/10.1021/acs.est.5c00372>.

### 3. WATER

#### DRINKING WATER

1. Canadian Water and Wastewater Association. **Fluoride in Drinking Water - Fact Sheet and Speaking Notes**. CWWA; 2025. Available from: <https://cwwa.ca/resources/#fluoride>.
2. Canadian Water Network. **When wildfires threaten our water – Increasing resilience in a changing climate**. Waterloo, ON: Canadian Water Network; 2025 Jul 31. Available from: <https://cwnrce.ca/2025/07/31/when-wildfires-threaten-our-water/>.
3. Coderre M, Fortin AS, Morency LD, Roy J, Sirois C. **Pharmaceuticals in drinking water: a scoping review to raise pharmacists' public health and environmental awareness on contamination in groundwater, surface water, and other sources**. Int J Pharm Pract. 2025;33(4):360-8. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/40448951>.
4. Kelland A. **Over 600 wells to be tested in wildfire-ravaged C.B.N.** CBC News. 2025 Sep 10. Available from: <https://www.cbc.ca/news/canada/newfoundland-labrador/well-water-testing-wildfires-1.7618093>.
5. McMahon K, Howard S. **Plastic water pipes leach dangerous chemicals when damaged in wildfires**. EHN News. 2025. Available from: <https://www.ehn.org/wildfires-plastic-pipes>.
6. National Collaborating Centre for Environmental Health. **Drinking water guidelines and governance [subject guide]**. Vancouver, BC: NCCEH; 2025 Aug. Available from: <https://ncceh.ca/resources/subject-guides/drinking-water-guidelines-and-governance>.

#### RECREATIONAL WATER

1. British Columbia Ministry of Environment. **How to recognize an algae bloom**. Victoria, BC: Government of BC; 2025 [updated Jul 30]; Available from: <https://www2.gov.bc.ca/gov/content/environment/air-land-water/water/water-quality/algae-watch/recognize-algae>.
2. Dhillon J, Parker ER. **Climate change, harmful algal blooms, and cutaneous disease**. JAAD Reviews. 2025;4:156-66. Available from: <https://www.sciencedirect.com/science/article/pii/S2950198925000261>.

- Villalobos T, Suárez-Isla B, Garcia C. **Health and Environmental Impacts of Cyanobacteria and Cyanotoxins from Freshwater to Seawater**. *Toxins*. 2025;17(3):126. Available from: <https://www.mdpi.com/2072-6651/17/3/126>.

#### SMALL WATER SYSTEMS

- National Collaborating Centre for Environmental Health. **Small drinking water systems and private wells [subject guide]**. Vancouver, BC: NCCEH; 2025 Aug. Available from: <https://nceh.ca/resources/subject-guides/small-drinking-water-systems-and-private-wells>.

#### WASTEWATER, OTHER

- Donnini A. **Deadly legionnaires' outbreaks in London, Ont., bring role climate change may play to the forefront**. CBC News. 2025 08 30 Aug 30. Available from: <https://www.cbc.ca/news/canada/london/legionnaires-disease-link-climate-change-1.7619916>.
- International Institute for Sustainable Development. **Natural Infrastructure for Water Supply and Drought Mitigation**. Winnipeg, MB: IISD; 2025; Available from: <https://www.iisd.org/niws/solutions/water-supply-drought-mitigation>.
- Schwarzenbach RP, Egli T, Hofstetter TB, von Gunten U, Wehrli B. **Global Water Pollution and Human Health**. *Ann Rev Environ Resourc*. 2010;35(Volume 35, 2010):109-36. Available from: <https://www.annualreviews.org/content/journals/10.1146/annurev-environ-100809-125342>.

## 4. CLIMATE CHANGE

#### EXTREME WEATHER

- Aldern CP. **The weight of nature. how a changing climate changes our brains**. New York, NY: Penguin Random House; 2024. Available from: <https://www.penguinrandomhouse.com/books/717097/the-weight-of-nature-by-clayton-page-aldern/>.
- Chen S, Liu Y, Yi Y, Zheng Y, Yang J, Li T, et al. **Long-term impacts of heatwaves on accelerated ageing**. *Nature Climate Change*. 2025. Available from: <https://doi.org/10.1038/s41558-025-02407-w>.
- Climate Atlas of Canada. **What is Climate Risk and how do we assess it?** Winnipeg, MB: Prairie Climate Centre, University of Winnipeg; 2025. Available from: <https://climateatlas.ca/basics-climate-risk-assessment>.
- Climate Change and Health Vulnerability and Adaptation Assessment Team. **Climate Change and Health Vulnerability and Adaptation Assessment. Kootenay Boundary Health Service Delivery Area. Summary**. Kamloops, BC: Interior Health; 2025. Available from:

<https://www.interiorhealth.ca/sites/default/files/PDFS/climate-change-health-vulnerability-adaptation-assessment-kootenay-boundary-hsda-summary-report.pdf>.

5. DeJarnett N, Jennings V, Pathak N. **Chapter 3. Confronting the realities of climate change.** In: Sampson N, Tallon L, DeJarnett N, editors. Environmental health: foundations for public health. New York, NY: Springer; 2025 09 01. Available from: [https://www.springerpub.com/environmental-health-9780826183521.html?srsId=AfmBOopAn8s4-wkG1\\_H2hQkDPJJSw-apcYTUbvQpT\\_oE8uyv9UMHbkd5](https://www.springerpub.com/environmental-health-9780826183521.html?srsId=AfmBOopAn8s4-wkG1_H2hQkDPJJSw-apcYTUbvQpT_oE8uyv9UMHbkd5).
6. Matias M, Mills G, Silva T, Girotti C, Lopes A. **The underestimated impact of parked cars in urban warming.** City and Environment Interactions. 2025;28:100232. Available from: <https://www.sciencedirect.com/science/article/pii/S2590252025000467>.
7. Qian Y, Liu T. **Heat vulnerability assessment: A systematic review of critical metrics.** Hygiene and Environmental Health Advances. 2025;15:100138. Available from: <https://www.sciencedirect.com/science/article/pii/S2773049225000212>.
8. Quilcaille Y, Gudmundsson L, Schumacher DL, Gasser T, Heede R, Heri C, et al. **Systematic attribution of heatwaves to the emissions of carbon majors.** Nature. 2025;645(8080):392-8. Available from: <https://doi.org/10.1038/s41586-025-09450-9>.
9. Siddiqui SA, Thiam S, Houndodjade C, Murage P, Bonell A. **Corrigendum to ‘A systematic review and meta-analysis of the impact of environmental heat exposure on cardiovascular diseases, chronic respiratory diseases and diabetes mellitus in low- & middle-income countries’** [Environ. Res. 282 (2025) 121980]. Environ Res. 2025;285:122372. Available from: <https://www.sciencedirect.com/science/article/pii/S0013935125016238>.
10. World Health Organization. **Climate change and health toolkit.** Geneva, Switzerland: WHO; Available from: <https://www.who.int/teams/environment-climate-change-and-health/climate-change-and-health/capacity-building/toolkit-on-climate-change-and-health>.
11. Wright CY, Naidoo N, Anand N, Kapwata T, Webster C. **“SCALE-up” - a new framework to assess the effectiveness of climate change adaptation interventions for human health and health systems.** BMC Public Health. 2025;25(1):2247. Available from: <https://pmc.ncbi.nlm.nih.gov/articles/PMC12217367/>.
12. Zhou S, Guo Y. **Humidity, heat, and harm: Global review exposes the rising health risks.** Melbourne, Victoria, Australia: Monash University; 2025. Available from: <https://lens.monash.edu/@medicine-health/2025/09/01/1387726/humidity-heat-and-harm-global-review-exposes-the-rising-health-risks>.
13. Zhou S, Wu Y, Liu Y, Gao Y, Yu P, Xu R, et al. **Lethal Heat and Humidity Events.** Ann Rev Environ Resourc. 2025. Available from: <https://www.annualreviews.org/content/journals/10.1146/annurev-environ-111523-102139>.

## FLOODING

1. Carlson D, Cervinka E, Kingan E, Lokman K. **Integrated flood management planning: a guide for communities in B.C.** Victoria, BC: Pacific Institute for Climate Solutions, University of Victoria;

- 2025 Aug 21. Available from: [https://climatesolutions.ca/wp-content/uploads/2025/08/IFMP\\_Report\\_August-2025-FINAL-2.pdf](https://climatesolutions.ca/wp-content/uploads/2025/08/IFMP_Report_August-2025-FINAL-2.pdf).
2. Milne C, Crawford E. **Best practices in Western Canadian flood mapping: Findings of the WFMC expert workshop**. Prepared for Natural Resources Canada; 2025 May. Available from: [https://climatesolutions.ca/wp-content/uploads/2025/07/Best\\_Practices\\_Western\\_Flood\\_Mapping\\_Milne\\_Crawford\\_2025.pdf](https://climatesolutions.ca/wp-content/uploads/2025/07/Best_Practices_Western_Flood_Mapping_Milne_Crawford_2025.pdf).
  3. Reubens D, Reubens O, De Maeyer N, Nagabhatla N, Scheerens C. **Perceptions and Narratives about Psychosocial Impacts Following the 2021 Flooding and Citizen's Displacement in Belgium: a Qualitative Interview Study**. UNU CRIS Working Paper No. 14. Tokyo, Japan: United Nations University; 2025 07 30 Jul. Available from: <http://dx.doi.org/10.13140/RG.2.2.21896.33284>.
  4. Simonovic SP, Perry B. **Local Scale Current and Projected Future Total Flood Hazard Mapping for Canada—Literature Review**. Journal of Flood Risk Management. 2025;18(3):e70091. Available from: <https://onlinelibrary.wiley.com/doi/abs/10.1111/jfr3.70091>.
  5. Ventura J, Oulahen G, Henstra D, Thistlethwaite J. **Flood risk management policies and conceptualizations of resilience in Vancouver, Canada**. Environmental Hazards. 2025:1-19. Available from: <https://doi.org/10.1080/17477891.2025.2503915>.

#### SEA LEVEL RISE

#### WILDFIRES, OTHER

1. Duchardt CJ, Hennig JD, Porensky LM, Fuhlendorf SD, Scasta JD, Dreelin RA, et al. **A disturbance triangle: The interactive role of prairie dogs with fire and ungulate grazing in the Great Plains**. Bioscience. 2025. Available from: <https://doi.org/10.1093/biosci/biaf125>.
2. European Union. **Wildfire peer review report: Land Brandenburg**. European Union - Union Civil Protection Mechanism Peer Review Programme for disaster risk reduction; 2025 Jul. Available from: [https://civil-protection-knowledge-network.europa.eu/system/files/2025-07/wildfire-peer-review-lb\\_final-report-june-2025\\_en.pdf](https://civil-protection-knowledge-network.europa.eu/system/files/2025-07/wildfire-peer-review-lb_final-report-june-2025_en.pdf).
3. Holder AL, Vreeland H, Brittingham H, Coefield S, Hassett-Sipple B, Deckmejian L, et al. **Influence of Building Characteristics on Wildfire Smoke Impacts on Indoor Air Quality**. ACS ES&T Air. 2025;2(8):1770-83. Available from: <https://doi.org/10.1021/acsestair.5c00144>.
4. Levine JI, Collins BM, Coppoletta M, Stephens SL. **Extreme Weather Magnifies the Effects of Forest Structure on Wildfire, Driving Increased Severity in Industrial Forests**. Global Change Biology. 2025;31(8):e70400. Available from: <https://onlinelibrary.wiley.com/doi/abs/10.1111/gcb.70400>.
5. Pacific Institute for Climate Solutions. **From ember to inferno: wildfires in BC explained**. Victoria, BC: Pacific Institute for Climate Solutions, University of Victoria; 2025 Jul. Available from: [https://climatesolutions.ca/wp-content/uploads/2025/07/Wildfire-factsheet\\_FINAL\\_July-15-2025.pdf](https://climatesolutions.ca/wp-content/uploads/2025/07/Wildfire-factsheet_FINAL_July-15-2025.pdf).

6. Reed A, McKinley H, Jester D, Henning BG, Isaksen TB. **Building a Smoke-Resilient Spokane: Guidance from Community Conversations.** Spokane, WA: Gonzaga University; 2025 Jun. Available from: <https://repository.gonzaga.edu/climateresearch/4/>.
7. Whelton AJ, Coelho PD, Shuler C, Kagawa-Viviani A, Cole KDP, Surdyka S, et al. **Two weeks after the 2023 Maui wildfires: drinking water experiences and needs.** Environmental Science: Water Research & Technology. 2024;10(10):2341-56. Available from: <http://dx.doi.org/10.1039/D4EW00216D>.
8. Zhang M, Castro E, Qiu M, Yazdi MD, Li B, Wright RJ, et al. **Cardiopulmonary hospitalization risks from wildfire and non-wildfire PM 2.5 in 20 US states.** medRxiv. 2025:2025.07.15.25331618. Available from: <https://www.medrxiv.org/content/medrxiv/early/2025/07/16/2025.07.15.25331618.full.pdf>.

## 5. BUILT ENVIRONMENT

### GREEN & BLUE SPACES

1. von Hafe F, Gonçalves J, Mateus C. Chapter 11 - **The impact of developing green and exercise-friendly spaces in deprived neighborhoods on health and healthy lifestyles: A systematic literature review.** In: Santos O, Santos RR, Virgolino A, editors. Environmental Health Behavior: Academic Press; 2024. p. 147-63. Available from: <https://www.sciencedirect.com/science/article/pii/B9780128240007000076>.
2. Yu S, Hu M, Li J, Yan X. **Green workspace and urban health: exploring the impacts of industrial robotics in pollution emissions and public health.** Front Public Health. 2024;Volume 12 - 2024. Available from: <https://www.frontiersin.org/journals/public-health/articles/10.3389/fpubh.2024.1445746>.

### HOUSING

1. Bernardo F. **Chapter 9 - Impact of the natural and built environment on human health: A perspective from environmental psychology.** In: Santos O, Santos RR, Virgolino A, editors. Environmental Health Behavior: Academic Press; 2024. p. 101-12. Available from: <https://www.sciencedirect.com/science/article/pii/B9780128240007000167>.

### NOISE

1. European Environment Agency. **Environmental noise in Europe 2025.** Copenhagen, Denmark: European Environment Agency; 2025 Jun. Available from: <https://www.eea.europa.eu/en/analysis/publications/environmental-noise-in-europe-2025>.

2. Garkov S, Dearden L, Armstrong B, Milojevic A. **The association between PM2.5, greenness (NDVI) and road noise exposures and the academic performance of state school pupils in England: a National Pupil Database study.** Environ Pollut. 2025:127034. Available from: <https://www.sciencedirect.com/science/article/pii/S0269749125014071>.
3. Joseph TM, Abdulkawsoud S, Mortula MM, Beheiry S, Zareen N. **Microbiomes of the built environment: a systematic literature review.** Frontiers in Built Environment. 2025;Volume 11 - 2025. Available from: <https://www.frontiersin.org/journals/built-environment/articles/10.3389/fbuil.2025.1657297>.

#### PLANNING & DESIGN

1. Gonçalves Pereira C. **Chapter 10 - How smart cities can promote healthy behaviors.** In: Santos O, Santos RR, Virgolino A, editors. Environmental Health Behavior: Academic Press; 2024. p. 113-45. Available from: <https://www.sciencedirect.com/science/article/pii/B9780128240007000210>.
2. Green Municipal Fund. **Course: Building climate resilience with asset management.** Ottawa, ON: Green Municipal Fund; 2025 Available from: <https://greenmunicipalfund.ca/events/course-building-climate-resilience-asset-management>.
3. Ock Y, Shandas V. **Duration of exposure to extreme heat in cities: Toward a planning relevant metric to improve public health.** Journal of Urban Affairs. 2025:1-24. Available from: <https://doi.org/10.1080/07352166.2025.2526491>.
4. Prince SA, Manoharan N, Butler GP, Waites S, Shakeel N. **The influence of neighbourhood walkability and bikeability on park visits using mobility data in Canada.** Journal of Cycling and Micromobility Research. 2025;5:100079. Available from: <https://www.sciencedirect.com/science/article/pii/S2950105925000233>.

#### TRANSPORTATION, OTHER

1. Liu L, Li X, Pereira RHM, Yan X. **Measuring exposure to extreme heat in public transit systems.** J Trans Geog. 2025;128:104383. Available from: <https://www.sciencedirect.com/science/article/pii/S0966692325002741>.
2. Oztaner YB, Soltanzadeh M, Todd A, Zepka B, Hakami A. **Modeling the societal health and climate benefits associated with transitioning the US school bus fleet from diesel to electric.** Washington, DC: World Resources Institute, Electric School Bus Initiative; 2025 Aug. Available from: [https://files.wri.org/d8/s3fs-public/2025-08/technical-note-for-a-dataset-modeling-the-societal-health-and-climate-benefits.pdf?VersionId=sAh8wYbCMsvxcF8C6bGx.pjdKm.vrmA&gl=1\\*16tvzI3\\*gcl%20au\\*MTI5NlY2MzMzMjY4xNzU2NDIwMjYw](https://files.wri.org/d8/s3fs-public/2025-08/technical-note-for-a-dataset-modeling-the-societal-health-and-climate-benefits.pdf?VersionId=sAh8wYbCMsvxcF8C6bGx.pjdKm.vrmA&gl=1*16tvzI3*gcl%20au*MTI5NlY2MzMzMjY4xNzU2NDIwMjYw).

## 6. NON-CLIMATE RELATED DISASTERS

EARTHQUAKES, LANDSLIDES, other

1. British Columbia Emergency Services. **Get prepared for a landslide.** Victoria, BC: Government of British Columbia; 2025; Available from: <https://www2.gov.bc.ca/gov/content/safety/emergency-management/preparedbc/know-your-hazards/landslides>.

MARINE

TERRESTRIAL, OTHER (Emergency Preparedness, etc)

1. British Columbia Emergency Management and Climate Readiness. **Master of Disaster: Youth emergency preparedness.** Victoria, BC: Government of BC; 2025; Available from: <https://www2.gov.bc.ca/gov/content/safety/emergency-management/education-programs-toolkits/master-of-disaster>.
2. British Columbia Emergency Management and Climate Readiness. **Earthquake and Tsunami Preparedness Guide.** Victoria, BC: Government of BC; 2025; Available from: [https://www2.gov.bc.ca/assets/gov/public-safety-and-emergency-services/emergency-preparedness-response-recovery/embc/preparedbc/preparedbc-guides/earthquake\\_and\\_tsunami\\_guide.pdf](https://www2.gov.bc.ca/assets/gov/public-safety-and-emergency-services/emergency-preparedness-response-recovery/embc/preparedbc/preparedbc-guides/earthquake_and_tsunami_guide.pdf).
3. Halle D, Wychen WV. **Warming temperatures affect glaciers' ability to store meltwater, contributing to rising sea levels.** The Conversation; 2025 Sep 1. Available from: <https://theconversation.com/warming-temperatures-affect-glaciers-ability-to-store-meltwater-contributing-to-rising-sea-levels-240628>.
4. Thiraviyarajah V, Thaivalappil A, Sekercioglu F, Oulahen G, Young I. **"It's Good to Always Have a Plan": A Qualitative Study of Canadians' Preparedness During Power Outages.** Disaster Med Public Health Prep. 2025;19:e245. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/40843469>.

## 7. DISEASES, VECTORS, PESTS

COVID-19

1. Carrozzo Magli A, Bauch CT, d'Onofrio A, Manfredi P. **"Early, rapid, aggressive": when strategic interactions between governments, opposition, and lobbies can hinder effective responses to epidemics.** Front Epidemiol. 2025;5:1593883. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/40605859>.
2. Ramasamy S, Bustamante F, LaBella LC, Cole SD, Armstrong J, Thompson DL, et al. **Spillover of SARS-CoV-2 to domestic dogs in COVID-19-positive households: A one health surveillance study.**

Virus Research. 2025;360:199629. Available from:  
<https://www.sciencedirect.com/science/article/pii/S0168170225001078>.

#### ANIMAL VECTORS

1. Dyer A, Byers KA, Buckley J, German D, Murray MH. **Inequality in Exposure and Knowledge Drives Vulnerability to Rat-Associated Leptospirosis.** Ecohealth. 2025. Available from:  
<https://doi.org/10.1007/s10393-025-01735-9>.
2. Kuchinski KS, Tyson J, Lee T, Detmer S, Berhane Y, Burns T, et al. **Detection of a Reassortant Swine- and Human-Origin H3N2 Influenza A Virus in Farmed Mink in British Columbia, Canada.** Zoonoses and Public Health. 2025;72(3):293-300. Available from:  
<https://onlinelibrary.wiley.com/doi/abs/10.1111/zph.13205>.
3. Soltani M, Sharif S, Dara R. **Analyzing social media discourse of avian influenza outbreaks.** Natural Language Processing Journal. 2025;12:100176. Available from:  
<https://www.sciencedirect.com/science/article/pii/S2949719125000524>.

#### INSECT VECTORS

1. SSB Crack News Desk. **Rising Tick Populations Prompt Urgent Call for Improved Surveillance and Prevention Strategies in Canada.** SSB Crack Defence, Science & Technology News. 2025 07 31. Available from: [https://news.ssbcrack.com/rising-tick-populations-prompt-urgent-call-for-improved-surveillance-and-prevention-strategies-in-canada/#google\\_vignette](https://news.ssbcrack.com/rising-tick-populations-prompt-urgent-call-for-improved-surveillance-and-prevention-strategies-in-canada/#google_vignette).

#### PESTS, OTHER

1. Health Canada. **Antimicrobial resistance: What Canada's doing.** Ottawa, ON: Health Canada; 2025. Available from: <https://www.canada.ca/en/public-health/services/antimicrobial-resistance/what-canadas-doing.html>.

## 8. PUBLIC HEALTH FUNDAMENTALS

#### COMMUNICATION

1. Alobaydullah A, LaJoie AS. **Health Communication in Times of Pandemics: A Framework for Increased Community Participation in Infection Prevention.** Int J Environ Res Public Health. 2025;22(9):1398. Available from: <https://www.mdpi.com/1660-4601/22/9/1398>.
2. Batzer E, Godel W, Han J, Gillreath-Brown A, Leiserowitz A, Marlon J. **What prompts interest in climate change?** New Haven, CT: Yale Program on Climate Change; 2025 Jul 31. Available from:

<https://climatecommunication.yale.edu/publications/what-prompts-interest-in-climate-change/>.

3. Hill A. **Turning down the heat: How to better protect your community in extremely hot weather**. Victoria, BC: Pacific Institute for Climate Solutions, University of Victoria; 2025 08 12 Aug 12. Available from: <https://climatesolutions.ca/explainers/how-to-better-protect-your-community-in-extremely-hot-weather/>.
4. Kloeber A, Gaspar R. **Chapter 20 - Health and environmental risk communication: Avoiding risk information avoidance and unintentional message framing effects**. In: Santos O, Santos RR, Virgolino A, editors. *Environmental Health Behavior*: Academic Press; 2024. p. 277-92. Available from: <https://www.sciencedirect.com/science/article/pii/B9780128240007000143>.
5. Ludwig S, Briegel F, Christen A, editors. **Exploring Urban Neighborhood-Scale Heat Warning Criteria Based on Temporal and Spatial Threshold Exceedances**, Rotterdam, The Netherlands, 7–11 Jul 2025, ICUC12-263. 12<sup>th</sup> International Conference on Urban Climate; 2025; Rotterdam, The Netherlands 7–11 Jul 2025: ICUC12-263. Available from: <https://doi.org/10.5194/icuc12-263>.
6. Pereira Marghidan C, Nairn J, Blanford J, van Aalst M, Mistry M. **Untangling the fragmented landscape of extreme heat services and warning systems**. *Environmental Research Letters*. 2025. Available from: <http://iopscience.iop.org/article/10.1088/1748-9326/adfe00>.
7. Simon Fraser University's Mitigating Wildfire Initiative. **Covering wildfire: a toolkit for editors, reporters, and media professionals**. Burnaby, BC: Simon Fraser University; 2025. Available from: <https://www.sfu.ca/content/dam/sfu/dialogue/ImagesAndFiles/Initiatives/MitigatingWildfire/CoveringWildfire.pdf>.
8. Sladic N, Poria T. **Public communication for global warming and climate extremes**. Albania: University of Tirana; 2025. Available from: <https://jns.edu.al/wp-content/uploads/2025/06/7-Sladic-N-Porja-T-ok.pdf>.

#### HEALTH PROMOTION

1. Friedrich J, Schick TS, Mess F, Blaschke S. **Wearable device-based interventions in heat-exposed outdoor workers — a scoping review and an explanatory intervention model**. *BMC Public Health*. 2025;25(1):2893. Available from: <https://doi.org/10.1186/s12889-025-24262-2>.
2. Mosaic. **Heat Wave in BC: Simple Tips to Stay Safe**. Mosaic News. 2025 08 21. Available from: <https://mosaicbc.org/news/heat-wave-in-bc-simple-tips-to-stay-safe/>.
3. Santos O. **Chapter 5 - Environmental health behavior as a unifying concept for public health and planetary health**. In: Santos O, Santos RR, Virgolino A, editors. *Environmental Health Behavior*: Academic Press; 2024. p. 45-60. Available from: <https://www.sciencedirect.com/science/article/pii/B978012824000700009X>.

## HEALTH IMPACT ASSESSMENT

1. Brown JA, Kim H, Schober K, Vipond J, Gorman M, Nykiforuk CIJ. **Scoping population health equity in impact assessments: A realist synthesis-informed review of key literature 2010–2019.** Extractive Industries and Society. 2024 03 30;17:101413. Available from: <https://www.sciencedirect.com/science/article/pii/S2214790X2400011X>.
2. Hill A, Clark D, Mauro I, MacNair E, Merner C. **Bridging climate research and risk assessments: a research and knowledge mobilization agenda.** Victoria, BC: Pacific Institute for Climate Solutions, University of Victoria; 2025. Available from: [https://climatesolutions.ca/wp-content/uploads/2025/06/RARA\\_Report\\_Digital\\_v5.2.pdf](https://climatesolutions.ca/wp-content/uploads/2025/06/RARA_Report_Digital_v5.2.pdf).
3. Impact Assessment Agency of Canada. **Technical considerations and references for the preparation of Impact Statements.** Ottawa, ON: Government of Canada; 2025 08 12 Aug. Available from: <https://www.canada.ca/en/impact-assessment-agency.html>.

## HEALTH EQUITY

1. Brown JA. **Opportunities for Population Health Equity in Legislated Impact Assessments (OPHELIA): Three Iterative Research Studies Informed by Realist Methods.** Edmonton, AB: University of Alberta; 2025 04 01. Available from: <https://ualberta.scholaris.ca/server/api/core/bitstreams/fc2b7087-f544-42e9-bff8-40c18d5cc371/content>.
2. Hjelmskog A, Boyd J, Stevenson A, Pollack R, Elsenbroich C, Heppenstall A, et al. **The effect of climate mitigation and adaptation policies on health and health inequalities: a systematic review.** The Lancet Planetary Health. 2025;9(7). Available from: <https://doi.org/10.1016/j.lanplh.2025.06.001>.
3. National Collaborating Centre for Determinants of Health. **Determining Health: Migrant health issue brief.** Antigonish, NS: NCCDH, St. Francis Xavier University; 2025. Available from: [https://nccdh.ca/resources/entry/determining-health-migrant-health-issue-brief?mc\\_cid=27c075e525&mc\\_eid=04816d6ac3](https://nccdh.ca/resources/entry/determining-health-migrant-health-issue-brief?mc_cid=27c075e525&mc_eid=04816d6ac3).

## ONE HEALTH, OTHER

1. Elmieh N. **Understanding the role of environmental health in One Health using foodborne outbreak case studies.** 2025 09 20 Sep. Available from: <https://ncceh.ca/resources/evidence-briefs/understanding-role-environmental-health-one-health-using-foodborne>.
2. Buchan MC, Katapally TR, Bhawra J. **Application of an Innovative Methodology to Build Infrastructure for Digital Transformation of Health Systems: Developmental Program Evaluation.** JMIR Form Res. 2025;9:e53339. Available from: <https://pmc.ncbi.nlm.nih.gov/articles/PMC12046263/>.

3. Olea-Popelka F, Redvers N, Stranges S. **Public Health, One Health, and Planetary Health: what is next?** Eur J Public Health. 2025;35(1):3-4. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/39378415>.
4. Santos O. **Chapter 12 - Digital environments: Additional environmental layers for environmental health behavior.** In: Santos O, Santos RR, Virgolino A, editors. Environmental Health Behavior: Academic Press; 2024. p. 165-74. Available from: <https://www.sciencedirect.com/science/article/pii/B9780128240007000015>.
5. Spiteri L. **The Role of Canadian Public Libraries in Facilitating Sustainable Lifestyles.** Partnership: The Canadian Journal of Library and Information Practice and Research. 2025;20(1):1-24. Available from: <https://journal.lib.uoguelph.ca/index.php/perj/article/view/8020>.
6. **Spotlight: A close-up of student initiatives in public health.** Environ Health Rev. 2025;68(3):44-6. Available from: <https://pubs.ciphi.ca/doi/abs/10.5864/d2025-010>.
7. Stanciu AR, Gillespie C, Britz-McKibbin P. **Environmental Exposures and Health Risks: A Metabolomics Perspective on Exposomics Research.** Annu Rev Anal Chem (Palo Alto Calif). 2025;18(1):47-71. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/39929542>.

## 9. OTHER TOPICS

### CANNABIS PRODUCTS

1. Johnson S, Allain D, Lucyk S, Simonelli M, Loch T, Chin M. **The effects of recreational cannabis legalization in Alberta on poison control centre calls and paediatric emergency department visits.** Paediatr Child Health. 2025;30(4):268-72. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/40756540>.

### TOBACCO, NICOTINE PRODUCTS

1. Patanavanich R, Thatasawakul C, Youngcharoen K, Sophonvashira V, Pichetsin P. **Health Effects from Secondhand Exposure to E-Cigarettes: A Systematic Review of Peer-Reviewed Articles from 2004–2024.** Int J Environ Res Public Health. 2025;22(9):1408. Available from: <https://www.mdpi.com/1660-4601/22/9/1408>.

### IONIZING, NON-IONIZING RADIATION

1. Weller SG, McCredde JE, Leach V, Chu C, Lam AK-y. **A scoping review and evidence map of radiofrequency field exposure and genotoxicity: assessing in vivo, in vitro, and epidemiological data.** Front Public Health. 2025;Volume 13 - 2025. Available from: <https://www.frontiersin.org/journals/public-health/articles/10.3389/fpubh.2025.1613353>.

#### PERSONAL SERVICES ESTABLISHMENTS, OTHER

1. Daily Excelsior Staff. **Artificial Intelligence in Public Health**. 2024 [Aug 24]; Available from: [https://www.dailyexcelsior.com/artificial-intelligence-in-public-health/#google\\_vignette](https://www.dailyexcelsior.com/artificial-intelligence-in-public-health/#google_vignette).
2. Huang L, Duan Q, Liu Y, Wu Y, Li Z, Guo Z, et al. **Artificial intelligence: A key fulcrum for addressing complex environmental health issues**. *Environ Int*. 2025;198:109389. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/40121790>.
3. Sieck NE, Bruening M, Woerden Iv, Whisner C, Payne-Sturges DC. **Effects of Behavioral, Clinical, and Policy Interventions in Reducing Human Exposure to Bisphenols and Phthalates: A Scoping Review**. *Environ Health Perspect*. 2024;132(3):036001. Available from: <https://ehp.niehs.nih.gov/doi/abs/10.1289/EHP11760>.

## 10. SPECIFIC POPULATIONS

#### CHILDREN

1. Yu X, Jarvis I, van den Bosch M, Guhn M, Sbihi H, Davies H. **Residential exposure to noise, green space, and children’s language acquisition**. *Environ Int*. 2025;200:109524. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/40373462>.

#### INDIGENOUS PEOPLES

1. AllSides. **Minister Warns of Worsening Wildfire Smoke Across BC in coming days**. AllSides. 2025 09 03. Available from: <https://www.allsides.com/news/2025-09-03-1900/environment-minister-warns-worsening-wildfire-smoke-across-bc-coming-days>.
2. Andrade-Rivas F, Afshari R, Yassi A. **“Low-Dose, Long-Term” Toxic Exposures Among “Indigenous Peoples in Canada”: Impacts of Inequality, Environmental Health Challenges, and the Need for a Comprehensive Approach**. *Asia Pacific Journal of Medical Toxicology*. 2025. Available from: [https://apjmt.mums.ac.ir/?\\_action=article&au=5019&\\_au=Reza++Afshari](https://apjmt.mums.ac.ir/?_action=article&au=5019&_au=Reza++Afshari).
3. CBC News. **Air quality warnings spread across B.C. as wildfire smoke lingers, heat records topple**. Vancouver, BC: CBC; 2025 Sep 3. Available from: <https://www.cbc.ca/news/canada/british-columbia/heat-warnings-wildfire-smoke-persist-1.7624099>.
4. CBC Radio. **Interview with Sarah Henderson: Air quality across B.C. as wildfire smoke lingers, heat records topple**. 2025 Sep 3. Available from: <https://www.cbc.ca/news/canada/british-columbia/heat-warnings-wildfire-smoke-persist-1.7624099>.
5. Ellison LK, Ng C, Kewayosh A, Troke N, Elias B, Tjepkema M, et al. **Ancestry or identity? The importance of Indigenous engagement in articulating First Nations, Inuit and Metis peoples in the 2006 Canadian Census Health and Environmental Cohort (CanCHEC)**. *Int J Circumpolar Health*. 2025;84(1):2495378. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/40272120>.

6. Healey Akearok GK, Larsen CVL. **One Health Gathering: Arctic Indigenous Peoples Voices and Perspectives.** BMC Proc. 2025;19(Suppl 12):16. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/40518512>.
7. Kolen K, Chutko K, Wise B, Wallace CS. **Self-Reported Health Impacts and Coping Strategies to Drought in Saskatchewan First Nations Communities.** ESS Open Archive. 2025. Available from: <https://essopenarchive.org/users/707661/articles/1262658-self-reported-health-impacts-and-coping-strategies-to-drought-in-saskatchewan-first-nations-communities>.

#### OLDER ADULTS

1. Doherty FC, Rao S, Traver A, Dabelko-Schoeny H. **Extreme heat preparedness and coping among older adults: A rapid review.** PLOS Climate. 2025;4(8):e0000689. Available from: <https://doi.org/10.1371/journal.pclm.0000689>.
2. Katz GM, Jain A, Kokorelias KM, Stall NM. **Prioritization of Older Adults in Canadian Climate Change Adaptation Policies: A Policy Document Analysis.** J Am Geriatr Soc. 2025;73(8):2600-2. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/40211919>.

---

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

---

To provide feedback on this document, please visit [www.ncceh.ca/en/document\\_feedback](http://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. 2025 September.

---

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.