

ENVIRONMENTAL HEALTH RESEARCH SCAN

VOL 9 (11) NOVEMBER 2025



| | | |
|---|--|---|
| <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 This research scan is not peer reviewed; it does not cover all research, news, and information, and NCCEH is not responsible for the accuracy of the content from media or databases.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.

EDITOR PICKS

Raising radon awareness and taking action [blog].

Juliette O’Keeffe and Anne-Marie Nicol

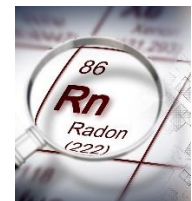
“This blog highlights key information and resources that can help environmental health practitioners communicate radon risks and promote equitable access to testing.”



Radon: the invisible threat that many Canadian households aren’t aware of

Statistics Canada

“Over 4 in 10 households unaware of radon; slight increase in test results indicating a problem. Less than 6 in 10 Canadian households (58%) said that they had heard of...”



Artificial turf playing fields: a review of the evidence on health impacts and environmental concerns [evidence review].

Rebecca Goulding

“This review synthesizes current evidence and key findings of recent human health risk assessments about materials used in these fields.”



Core competencies for public health in Canada: release 2.0.

National Collaborating Centres for Public Health

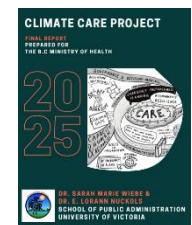
“The National Collaborating Centres (NCCs) undertook an extensive multistage engagement process, in both official languages, to obtain input and feedback from the public health community on core competencies...”



Climate care project [Community Actions and Responses to Extreme Weather Events].

Sarah M Wiebe, E Lorann Nuckols

“What factors prevent or enable equitable access to community-based resources (e.g. cooling centres, clean air spaces) to protect public health during extreme weather events (e.g. extreme heat/cold, wildfires)?”



October research scan [research scan].

National Collaborating Centre for Environmental Health



ENVIRONMENTAL HEALTH RESEARCH SCAN

SELECTED RESOURCES

1. Goulding R. **Artificial turf playing fields: A review of the evidence on health impacts and environmental concerns [evidence review]**. Vancouver, BC: NCCEH; 2025 Nov. Available from: <https://ncceh.ca/resources/evidence-reviews/artificial-turf-playing-fields-review-evidence-health-risks-and>.
2. National Collaborating Centre for Environmental Health. **Oct research scan**. Vancouver, BC: NCCEH; 2025 Oct. Available from: <https://ncceh.ca/sites/default/files/2025-10/NCCEH%20Research%20Scan%20-202510.pdf>.
3. National Collaborating Centre for Environmental Health. **NCCEH eNews (Oct 2025): Healthy high-density living: Opportunities, challenges, and knowledge gaps; more...** Vancouver, BC: NCCEH; 2025 Oct. Available from: https://app.cyberimpact.com/newsletter-view-online?ct=-C0MnRZiAQnWzbxW-hCV9uzPWT9XceqU7jKfvGwtIC-JMWzZbLIhTI-k8bDxWWWyRm9dCXfDkWNj2_flv0fAjOxnN6IskaXCsfZLc_Ri9lf9sG1DqmroKGggu_GoaTG.
4. O’Keeffe J, Nicol A-M. **Raising radon awareness and taking action [blog]**. Vancouver, BC: National Collaborating Centre for Environmental Health; 2025 11 14 Nov 14. Available from: <https://ncceh.ca/resources/blog/raising-radon-awareness-and-taking-action>.

1. AIR QUALITY

INDOOR AIR

1. Lee S, Adibi A, Giang A, Carlsten C, Paul N, Brigham E, et al. **Cost-effectiveness of a government rebate program for air cleaners in preventing asthma and related adverse health outcomes**. medRxiv. 2025. Available from: <https://www.medrxiv.org/content/medrxiv/early/2025/10/05/2025.10.03.25337202.full.pdf>.
2. Moura IB, Bentley K, Kaur K, Wilcox MH. **Correction: Understanding the impact of different hand drying methods on viral aerosols formation and surface contamination in indoor environments**. Front Public Health. 2025;Volume 13 - 2025. Available from: <https://www.frontiersin.org/journals/public-health/articles/10.3389/fpubh.2025.1731810>.

OUTDOOR AIR

1. Bottini I, Vecchi S, De Sario M, Bauleo L, Trentalange A, Michelozzi P, et al. **Residential exposure to municipal solid waste incinerators and health effects: a systematic review with meta-analysis**. BMC Public Health. 2025;25(1):1989. Available from: <https://doi.org/10.1186/s12889-025-23150-z>.

2. Falsafi A, Falsafi A, Abdulkareem M, Horttanainen M. **Assessing dioxin emissions change in the transition from landfilling of MSW to waste-to-energy.** Environ Sci Pollut Res Int. 2025. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/41075119>.
3. Perkins T. **EPA to require municipal waste incinerators monitor for toxic emissions.** The Guardian. 2025 Jan 9. Available from: <https://www.theguardian.com/environment/2025/jan/09/epa-waste-toxic-air-emissions>.
4. IQAir. **Live most polluted major city ranking.** IQAir; 2025. Available from: <https://www.iqair.com/ca/world-air-quality-ranking>.
5. Steyn DG. **Air Quality Standards and Municipal Solid Waste Incineration in Metro Vancouver** Vancouver, BC: Prepared for Zero Waste BC; 2025. Available from: <https://www.zerowastebc.ca/wp-content/uploads/2025/02/Review-of-Air-Quality-Standards-in-Metro-Vancouver-FINAL-1.pdf>.
6. World Health Organization. **Open waste burning: sectoral solutions for air pollution and health.** Geneva, Switzerland: WHO; 2025. Available from: <https://www.who.int/publications/i/item/B09367>.

RADON, OTHER

1. Carriera F, Avino P, Pandolfi P. **Chapter 7 - Release of radon from building materials.** In: Avino P, Carriera F, Settimo G, editors. New Perspectives in Indoor Air Quality: Elsevier; 2026. p. 77-84. Available from: <https://www.sciencedirect.com/science/article/pii/B9780443266430000030>.
2. Lee S-c. **Chapter 3 - Indoor air quality and gaseous pollutant.** In: Avino P, Carriera F, Settimo G, editors. New Perspectives in Indoor Air Quality: Elsevier; 2026. p. 19-26. Available from: <https://www.sciencedirect.com/science/article/pii/B9780443266430000157>.
3. O’Keeffe J, Nicol A-M. **Raising radon awareness and taking action [blog].** Vancouver, BC: National Collaborating Centre for Environmental Health; 2025 Nov 14. Available from: <https://ncceh.ca/resources/blog/raising-radon-awareness-and-taking-action>.
4. Pedram S, Jarolim A, Mora R. **An Integrated Design Approach to Radon Prevention and Mitigation in Energy Efficient Buildings.** Burnaby, BC: British Columbia Institute of Technology; 2025. Available from: <https://www.bchousing.org/sites/default/files/media/documents/Integrated-Design-Approach-Radon-Prevention-Mitigation-Energy-Efficient-Buildings.pdf>.
5. Statistics Canada. **Radon: The invisible threat that many Canadian households aren’t aware of.** Ottawa, ON: Statistics Canada; 2025 Sep. Available from: <https://www.statcan.gc.ca/o1/en/plus/8465-radon-invisible-threat-many-canadian-households-arent-aware>.

2. FOOD

FOOD SAFETY

1. Afif K, Azima S, Doyon M. **Investigating perishable food supply chain management challenges in remote Arctic communities: insights from an embedded case study.** *Brit Food J.* 2025;1-21. Available from: <https://doi.org/10.1108/BFJ-05-2025-0624>.
2. Al-Mansoori M, Harrad S, Abdallah MA-E. **Microplastics in commercial food products from the United Kingdom market: Implications for human exposure.** *Environ Res.* 2026;288:123178. Available from: <https://www.sciencedirect.com/science/article/pii/S0013935125024314>.
2. Clean Label Project. **2024-25 Protein Powder Category Report.** Broomfield, CO: Clean Label Project; 2025. Available from: https://cleanlabelproject.org/wp-content/uploads/CleanLabelProject_ProteinStudyWhitepaper_010625.pdf.
3. European Food Safety Authority. **Literature review on micro- and nanoplastic release from food contact materials during their use.** Parma, Italy: EFSA; 2025 Oct 15. Available from: <https://efsa.onlinelibrary.wiley.com/doi/epdf/10.2903/sp.efsa.2025.EN-9733>.
4. LeBlanc A, Castle D, Merschrod EF, Ammendolia J, Kelly NE, Maselli V, et al. **Microplastic contamination in edible American lobster (*Homarus americanus*) muscle tissue.** *Regional Studies in Marine Science.* 2025;91:104587. Available from: <https://www.sciencedirect.com/science/article/pii/S235248552500578X>.
5. Leslie JF, Ezekiel CN, Wagner M, Elliott C, McNerney O, Uyttendaele M, et al. **A FoodSafeR perspective on emerging food safety hazards and associated risks.** *Frontiers in Sustainable Food Systems.* 2025;Volume 9 - 2025. Available from: <https://www.frontiersin.org/journals/sustainable-food-systems/articles/10.3389/fsufs.2025.1646792>.
6. Yangchen J, Sarkar D, Rood L, Vaskoska R, Kocharunchitt C. **Listeria monocytogenes: A Continuous Global Threat in Ready-to-Eat (RTE) Foods.** *Foods.* 2025;14(21):3664. Available from: <https://www.mdpi.com/2304-8158/14/21/3664>.

FOOD SECURITY

1. Idzerda L, Lazarescu C, Corrin T, Vallières E, Couture A, Khan S, et al. **Food-based interventions to mitigate household food insecurity in Canada: a systematic review.** *Health Promot Chronic Dis Prev Can.* 2025;45(9):367-85. Available from: <https://doi.org/10.24095/hpcdp.45.9.03>.

GROWING FOOD, OTHER

1. Figueiredo DM, Mu H, Osman R, Silva V, Graumans M, van Dael M, et al. **Non-dietary personal pesticide exposure using silicone wristbands across 10 European countries.** *Environ Int.* 2025;203:109734. Available from: <https://www.sciencedirect.com/science/article/pii/S0160412025004854>.

3. WATER

DRINKING WATER

1. Banton O, St-Pierre S, Banton G, Laures N, Triganon A. **A Review of the Key Impacts of Deforestation and Wildfires on Water Resources with Regard to the Production of Drinking Water**. *Hydrology*. 2025;12(10):271. Available from: <https://www.mdpi.com/2306-5338/12/10/271>.
2. Saskatchewan First Nations Water Association (SFNWA). **Decentralised Drinking Water in First Nations: Trucked Water & Cisterns—Risks and Recommendations [video]**. Saskatoon, SK: SFNWA; 2025. Available from: <https://www.youtube.com/watch?v=Re7VpiHDhQ8>.
3. Saskatchewan First Nations Water Association (SFNWA). **Decentralised Drinking Water and Wastewater Expert Report: Technical issues, community-level risk identification, and management recommendations [full report]**. Saskatoon, SK: SFNWA; 2025. Available from: https://sfnwa.ca/images/decentralized_systems/Expert-Report-Decentralised-Systems-Final-Jul8.pdf.
4. Saskatchewan First Nations Water Association (SFNWA). **Decentralised Drinking Water and Wastewater Expert Report Summary**. Saskatoon, SK: SFNWA; 2025. Available from: <https://sfnwa.ca/resources/reports>.
5. World Health Organization. **Compendium of drinking-water systems and technologies from source to consumer**. Geneva, Switzerland: WHO; 2025 Oct 15. Available from: <https://www.who.int/publications/i/item/9789240113992>.

RECREATIONAL WATER

1. Fachon E, Pickart RS, Sheffield G, Pate E, Pathare M, Brosnahan ML, et al. **Tracking a large-scale and highly toxic Arctic algal bloom: rapid detection and risk communication**. *Limnol Oceanogr Lett*. 2025;10(1):62-72. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/39925635>.
2. Ioannou A, Bataka E, Kokosis N, Kofinas D, Billinis C, Laspidou C. **A Holistic One Health Assessment Framework for Coastal Areas**. *Sustainability*. 2025;17(21):9359. Available from: <https://www.mdpi.com/2071-1050/17/21/9359>.
3. Maniyar CB, Raviprakash K, Kumar A, Seferian MA, Fiorentino IR, Mishra DR. **Low-Cost System to Support and Expand Cyanobacterial Harmful Algal Bloom Monitoring with New-Generation Ocean Color Satellites**. *ACS ES&T Water*. 2025. Available from: <https://doi.org/10.1021/acsestwater.5c00301>.
4. Pool and Hot Tub Alliance. **PHTA-11 Standard for Water Quality in Public Pools and Spas - Open for Public Review**. Alexandria, VA: Pool and Hot Tub Alliance (PHTA); 2025. Available from: <https://www.phta.org/standards-codes/phta-standards/find-a-standard/phta-11/>.

SMALL WATER SYSTEMS

1. Bai Y, Xue S, Wu Y, Wang H, Wang R, Chang L, et al. **Pipe material significantly affected microbial regrowth and potential risks in reclaimed water distribution systems.** J Hazard Mater. 2025;499:140116. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/41086497>.
2. Buthane KE, Delair Z, Barnard TG, Singh A. **Legionella in the City: Unveiling Legionella pneumophila in Hillbrow's High-Rise Water Systems.** Microorganisms. 2025;13(9). Available from: <https://www.ncbi.nlm.nih.gov/pubmed/41011483>.
3. Chalmers E, Duncan C, Gora S. **Development of water safety risk matrices to improve water safety in Arctic drinking water systems in Nunavut, Canada.** Int J Circumpolar Health. 2025;84(1):2450877. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/39819602>.
4. Nhan NT, Luu TL. **Current status of using adsorbent nanomaterials for removing microplastics from water supply systems: a mini review.** Beilstein J Nanotechnol. 2025;16:1837-50. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/41158736>.
5. Ortiz C, Hatam F, Quon H, Hamilton KA, Prevost M. **Mechanistic modeling of Legionella in building water systems: A critical review on the essential factors.** Sci Total Environ. 2025;974:179169. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/40147240>.
6. Wang H, Li Y, Chen H, Yu P, Shi B, Alvarez PJJ. **Perfluorooctanoic Acid Can Increase Biofilm Resilience and Virulence in Drinking Water Distribution Systems.** Environ Sci Technol. 2025;59(39):21028-38. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/40990450>.
7. Xiu J, Geng B, Liu M, Han X, Zhang D, Bai X. **Biofilm induced microplastics and microbial metabolites release from Polypropylene Random pipes in drinking water distribution systems.** Water Res. 2025;288(Pt A):124626. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/40974892>.

WASTEWATER, OTHER

1. Canadian Council of Ministers of the Environment. **Project 694-2026 – Review of the Canada-wide Strategy for the Management of Municipal Wastewater Effluent.** Ottawa, ON: Canadian Council of Ministers of the Environment; 2025 Oct. Available from: <https://ccme.ca/en/project-694-2026--review-of-the-canada-wide-strategy-for-the-management-of-municipal-wastewater-effluent>.

4. CLIMATE CHANGE

EXTREME WEATHER

1. Achtemeier RA. **Developing and Validating a Trust in Public Health Authorities Scale for Extreme Heat Guidelines:** University of Washington; 2025. Available from: <https://digital.lib.washington.edu/researchworks/items/35bc38ad-870c-4552-b39e-ffc9442f178/full>.

2. Adil L, Eckstein D, Kunzel V, Schafer L. **Climate Risk Index 2026: Who suffers most from extreme wealth.** Bonn, Germany: Germanwatch; 2025 Nov. Available from: <https://www.germanwatch.org/sites/default/files/2025-11/CRI%2026%20full%20report.pdf>.
3. Climate Action Tracker. **Warming Projections Global Update** Berlin, Germany: Climate Analytics, New Climate Institute, Institute for Essential Services Reform; 2025. Available from: https://climateactiontracker.org/documents/1348/CAT_2025-11-13_GlobalUpdate_COP30.pdf.
4. Dambha-Miller H, Nagdi U, Smith L, Simpson G. **Temperature extremes, climate change and multimorbidity: A rapid scoping review.** *The Journal of Climate Change and Health.* 2025;24:100452. Available from: <https://www.sciencedirect.com/science/article/pii/S2667278225000355>.
5. Dickinson N, Spencer LH, Yang S, Miller C, Hursthouse A, Lynch M. **Extreme Weather Events in the UK and Resulting Public Health Outcomes.** *Int J Public Health.* 2025;70:1607904. Available from: <https://pmc.ncbi.nlm.nih.gov/articles/PMC12158791/>.
6. Fard P, Hgel J, Keivabu RC, Dominici F, Zagheni E, Estiri H, et al. **Developing a Spatiotemporal Repository of Extreme Heat and Cold Exposure in the United States for Precision Public Health Research.** *Environ Sci Tech.* 2025;59(37):19872-84. Available from: <https://doi.org/10.1021/acs.est.5c03658>.
7. Harper SL, Cunsolo A, Aylward B, Clayton S, Lin M, Minor K, et al. **Prevalence, magnitude and distribution of climate change anxiety in Canada: an interdisciplinary study.** *Nature Mental Health.* 2025;3(11):1384-94. Available from: <https://doi.org/10.1038/s44220-025-00521-4>.
8. Irgens I. **Chapter 40 - Extreme cold spells and related concerns.** In: Alexander M, Fogarty AE, Leochico CFD, editors. *Climate Change and Disability: Academic Press;* 2026. p. 315-20. Available from: <https://www.sciencedirect.com/science/article/pii/B978044331568800043X>.
9. Jenkins M, Egger S. **Psychological Integrity and Ecological Repair: The Impact on Planetary Public Mental Health (A Narrative Review).** *Int J Environ Res Public Health.* 2025;22(10):1586. Available from: <https://www.mdpi.com/1660-4601/22/10/1586>.
10. Karami M, Walker T. **Assessing Climate Preparedness: A Comparative Analysis of Canada's Provinces and Municipalities.** *Can Public Pol.* 2025;51(S2):6-30. Available from: <https://utppublishing.com/doi/abs/10.3138/cpp.2025-021>.
11. Kelley JC, Hartwell C, Mix EC, Gridley-Smith C, Wellenius GA, Nori-Sarma A, et al. **Extreme heat preparedness and response implementation: a qualitative study of barriers, facilitators, and needs among local health jurisdictions in the United States.** *Environmental Research: Health.* 2025;3(3):031002. Available from: <https://doi.org/10.1088/2752-5309/adf08b>.
12. Lin H, Jiang P. **Extreme Weather Shocks and Crime: Empirical Evidence from China and Policy Recommendations.** *Climate.* 2025;13(5):94. Available from: <https://www.mdpi.com/2225-1154/13/5/94>.
13. Losinger-Ross B. **Forecasting Change: Climate Connections in Canadian Extreme Weather Reporting:** Concordia University; 2025. Available from: <https://spectrum.library.concordia.ca/id/eprint/995211/>.

14. Mahmood R, Clery P, Yang JC, Cao L, Dykxhoorn J. **The impact of climate change on mental health in vulnerable groups: a systematic review.** BMC Psychology. 2025;13(1):1208. Available from: <https://doi.org/10.1186/s40359-025-03497-z>.
15. Northern Health. **Climate Change and Sustainability Roadmap 2025-2030** Prince George, BC: Northern Health; 2025 Nov. Available from: https://www.northernhealth.ca/sites/northern_health/files/health-information/climate-change/climate-change-sustainability-roadmap.pdf.
16. Queiroz G, Madeira L, Heitor MJ. **Chapter 14 - Environmental change, mental health, and well-being.** In: Santos O, Santos RR, Virgolino A, editors. Environmental Health Behavior: Academic Press; 2024. p. 189-99. Available from: <https://www.sciencedirect.com/science/article/pii/B9780128240007000179>.
17. Sinha D, Rajulapati CR, Crawford A. **Concurrent Heatwaves and Droughts in Canada: Spatio-Temporal Changes, Climate Drivers, and Persistence Properties.** Earth's Future. 2025;13(10):e2025EF006104. Available from: <https://agupubs.onlinelibrary.wiley.com/doi/abs/10.1029/2025EF006104>.
18. Sun M, Pan J, Zhao Q, Bardhan R. **Heat stress dichotomy: long-term adaptation and acute shock in London domestic environments.** Philosophical Transactions of the Royal Society A: Mathematical, Physical and Engineering Sciences. 2025;383(2308):20240567. Available from: <https://royalsocietypublishing.org/doi/abs/10.1098/rsta.2024.0567>.
19. Tandon R, Fard P, Bendavid E, Jena A, Estiri H, Patel C. **Asymmetric Impacts of Extreme Weather: Cold Events Disrupt More Than Heat.** Available at SSRN 5436620. 2025. Available from: https://papers.ssrn.com/sol3/papers.cfm?abstract_id=5436620.
20. UK Centre for Climate and Health Security. **Climate change and mental health: thematic assessment report.** London, UK: UK Health Security Agency; 2025 Nov. Available from: <https://assets.publishing.service.gov.uk/media/69146cc3db01ecfcf96fc825/climate-change-and-mental-health-full-report.pdf>.
21. UK Health Security Agency. **Adverse Weather and Health Plan.** London, UK: UK Government; 2025. Available from: <https://www.gov.uk/government/publications/adverse-weather-and-health-plan>.
22. Uppalapati SS, Campbell E, Kotcher J, Thier K, Ansah P, Gour N, et al. **Public Engagement with Climate Change and Health: A Global Literature Review.** Ecohealth. 2025. Available from: <https://doi.org/10.1007/s10393-025-01756-4>.
23. Weiss J. **Short-Term Effects of Extreme Heat, Cold, and Air Pollution Episodes on Excess Mortality in Luxembourg.** Int J Environ Res Public Health. 2025;22(3). Available from: <https://www.ncbi.nlm.nih.gov/pubmed/40238412>.
24. Wiebe SM. **Climate CARE (Community Actions and Responses to Extreme Weather Events).** Victoria, BC: University of Victoria; 2025. Available from: <https://www.sarahmariewiebe.com/climatecare>.
25. Wiebe SM, Nuckols EL. **Climate CARE Project [Community Actions and Responses to Extreme Weather Events].** Victoria, BC: Final Report Prepared for the British Columbia Ministry of Health; 2025. Available from:

https://www.sarahmariewiebe.com/files/ugd/6cf39b_bfebab5bf651489885c1c4aeadaf247b.pdf.

FLOODING

1. Birchall SJ, Villeneuve K, Rose D, Baran N, Adams S. **Exploring the modifying effects of adaptive capacity on resilience to climate change across 4 coastal cities in British Columbia, Canada.** *Cities*. 2026;169:106559. Available from: <https://www.sciencedirect.com/science/article/pii/S0264275125008625>.

SEA LEVEL RISE

1. Bonada A, Bakos K. **Managing Rising Risks: Climate-Resilient Shorelines for Canada.** Waterloo, ON: University of Waterloo, Intact Centre on Climate Adaptation; 2025 Nov 25. Available from: <https://www.intactcentrecclimateadaptation.ca/recent-reports/climate-resilient-shorelines/>.

WILDFIRES, OTHER

1. Bidwell D. **Using technology to get ahead of wildfires.** *The University of British Columbia Magazine*. 2025. Available from: <https://magazine.alumni.ubc.ca/2025/environment-science-technology/using-technology-get-ahead-wildfires>.
2. Daschuk M, Dell C, Morgan A, Chalmers D, Schwann L, Laliberte L, et al. **Guidance for Canada's Wildfire Emergency Response Efforts: Learning from Volunteer Therapy Dog Program Support During Saskatchewan Crises.** In: Wu H, Breen K, DeYoung SE, editors. *The Palgrave Handbook of Human-Animal Interactions in the Global Context of Climate Change, Disasters, and Other Crises*. Cham: Springer Nature Switzerland; 2025. p. 389-424. Available from: https://doi.org/10.1007/978-3-032-00313-3_14.
3. Gu KM, Lee T, Myong JP. **Wildfire Exposure and Respiratory Health: A Comprehensive Review of Emerging Evidence.** *Tuberc Respir Dis (Seoul)*. 2025;88(4):643-53. Available from: <https://pmc.ncbi.nlm.nih.gov/articles/PMC12488353/>.
4. He R, Shellington E, Barn P, Rideout K, Bueso A, Joshi I, et al. **Development and pilot of the BC Wildfire Smoke and Extreme Heat Action Plan: empowering patients with climate health readiness.** *BMJ Open Qual*. 2025;14(4). Available from: <https://doi.org/10.1136/bmjog-2025-003407>.
5. Huang Z, Skidmore M. **The impacts of wildfires and wildfire-induced air pollution on mortality in the United States.** *Environmental Challenges*. 2025;21:101339. Available from: <https://www.sciencedirect.com/science/article/pii/S2667010025002586>.

6. McDermott A. **In the wake of wildfires, toxic smoke is a lasting health concern.** Proc Natl Acad Sci U S A. 2025;122(42):e2527308122. Available from: <https://pmc.ncbi.nlm.nih.gov/articles/PMC12557720/>.
7. Michaud-Tétrault J, Bouchard-Bastien E, Peel M-A, Perron S. **Emergency evacuations during wildfires: a public health perspective in Québec (Canada).** Disaster Prevention and Management. 2025:1-14. Available from: <https://doi.org/10.1108/DPM-03-2025-0067>.
8. National Interagency Fire Center. **North American Seasonal Fire Assessment and Outlook.** Boise, ID: National Interagency Fire Center; 2025 Oct 16. Available from: https://www.nifc.gov/nicc-files/predictive/outlooks/NA_Outlook.pdf.
9. Sherris AR, Dearborn LC, Goin DE, Loftus CT, Szpiro AA, Casey JA, et al. **Wildfire-specific fine particulate matter and preterm birth: a US ECHO Cohort analysis.** The Lancet Planetary Health. 2025. Available from: <https://doi.org/10.1016/j.lanplh.2025.101324>.
10. Slavik CE, Chapman DA, Cleland SE, Hystad P, Peters E. **Association between wildfire smoke exposure and parents' adoption of protective behaviours: Exploring the role of objective and subjective smoke exposure.** Environmental Challenges. 2025:101362. Available from: <https://www.sciencedirect.com/science/article/pii/S2667010025002811>.

5. BUILT ENVIRONMENT

GREEN & BLUE SPACES

1. Büssing A, Wilhelm J, Rodrigues Recchia D. **Wondering Awe Is the Mediator of the Link Between Experience of Nature and Psychological Wellbeing—Relevance for Public Health.** Int J Environ Res Public Health. 2025;22(11):1679. Available from: <https://www.mdpi.com/1660-4601/22/11/1679>.
2. Fry D, Antoine J, Simpson K, Steed A-C, Branas CC, Nieuwenhuijsen M, et al. **The effect of place-based nature interventions on human health: A systematic review.** Environ Res. 2026;288:123157. Available from: <https://www.sciencedirect.com/science/article/pii/S0013935125024107>.
3. Ram A. **Liquified, composted: How green are these alternative death practices?** CBC News. 2025 Oct 30. Available from: <https://www.cbc.ca/news/climate/woe-aquamation-human-composting-9.6959694>.
4. Tandon PS, Semmes S, Garrett K, Ellerton L, Charnley S, Frumkin H. **Community Forests and Public Health: A Research Agenda.** Int J Environ Res Public Health. 2025;22(10):1601. Available from: <https://www.mdpi.com/1660-4601/22/10/1601>.

HOUSING

1. Aijazi A, Schiavon S, Callaway D. **Building and occupant characteristics as predictors of temperature-related health hazards in American homes.** *Build Environ.* 2025;275:112805. Available from: <https://www.sciencedirect.com/science/article/pii/S0360132325002872>.
2. Yue A, Lesnikowski A. **Do Canadian adaptation policies address climate change impacts on the housing sector?** *Journal of Urban Affairs.* 2025:1-27. Available from: <https://doi.org/10.1080/07352166.2025.2564109>.

NOISE

1. Park SH, Lee PJ. **Effects of noise on health-related quality of life: The roles of outdoor noise, indoor noise, and noise sensitivity.** *J Expo Sci Environ Epidemiol.* 2025. Available from: <https://doi.org/10.1038/s41370-025-00816-9>.
2. Razai MS, King E, Majeed A, James P. **The impact of noise pollution on health.** *BMJ.* 2025;391:e081193. Available from: <https://www.bmj.com/content/bmj/391/bmj-2024-081193.full.pdf>.

PLANNING & DESIGN

1. Altona J, Wiegmann H, Mena E, Schüz B, Wolf-Ostermann K. **Neighbourhood-built environment and cognitive or social health in older adults with mild cognitive impairment or dementia: an umbrella review.** *BMC Geriatr.* 2025;25(1):907. Available from: <https://doi.org/10.1186/s12877-025-06693-z>.
2. ICLEI Canada Local Governments for Sustainability. **Building Adaptive and Resilient Communities (BARC) Guide.** Toronto, ON: ICLEI; 2025. Available from: <https://icleicanada.org/project/2025-barc-guide/>.
3. Ness R. **Time to stop building infrastructure for yesterday's climate.** Bobcaygeon, ON: Canadian Climate Institute; 2025; Available from: <https://climateinstitute.ca/impacts-building-infrastructure-yesterday-s-climate/>.
4. Rojas Roque C, Qian Y, Bojke L, Santos R, Krenz K, Dowling L, et al. **Building healthier and sustainable cities: A scoping review to establish the cost-effectiveness of place-based interventions.** *Health Place.* 2025;96:103564. Available from: <https://www.sciencedirect.com/science/article/pii/S1353829225001546>.

TRANSPORTATION, OTHER

1. Canadian Urban Transit Association. **On the Front Line: Keeping Transit Safe.** Toronto, ON: Canadian Urban Transit Association; 2025 [updated 2025-09-24]; Available from: <https://canadacommons.ca/artifacts/30883493/on-the-front-line/>.

2. Litman T. **Evaluating Transportation Diversity. Multimodal Planning for Efficient and Equitable Communities.** Victoria, BC: Victoria Transport Policy Institute; 2025 Oct 3. Available from: <https://www.vtpi.org/choice.pdf>.
3. Yadav A, Debruyne D, Mahani A, Akinjobi G, Rao V, Rahman Z, et al. **“With the free bus, you didn’t have to worry”: Mental wellbeing impacts of a free intercity transportation service in Canada.** Journal of Transport & Health. 2025;45:102203. Available from: <https://www.sciencedirect.com/science/article/pii/S2214140525002233>.

6. NON-CLIMATE RELATED DISASTERS

EARTHQUAKES

MARINE

1. Saviz Naeini S, Snaiki R, Di Luca A. **Projecting Hurricane Risk in Atlantic Canada under Climate Change.** 2025: Available from: <https://ui.adsabs.harvard.edu/abs/2025arXiv251020074S>.

TERRESTRIAL, OTHER

1. Gupta AK, Thornbush M, Wang T. **Climate Change, Natural Disasters, and Cutaneous Fungal Infections.** Int J Dermatol. 2025;64(8):1349-55. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/40506838>.
2. Li X, Oberlander TF, Lebel C. **Natural experiments: Disasters and disease outbreaks as models of perinatal hardship and its effects on child brain and behavior.** Neurosci Biobehav Rev. 2025;180:106475. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/41224139>.
3. Matsuo Y, Kietzman K, Hays RD, Song Y. **Evacuation and Transportation Barriers Among Vulnerable Populations in Natural Hazard-Related Disasters: A Scoping Review.** Int J Environ Res Public Health. 2025;22(11):1680. Available from: <https://www.mdpi.com/1660-4601/22/11/1680>.
4. Munoz-Nieves C, Greaves L, Huber E, Brabete AC, Wolfson L, Poole N. **Sex and Gender Influences on the Impacts of Disasters: A Rapid Review of Evidence.** Int J Environ Res Public Health. 2025;22(9). Available from: <https://www.ncbi.nlm.nih.gov/pubmed/41007561>.
5. Naderi A, Benis KZ, Dowlati M, Seyedin H, Behnami A, Farzadkia M. **Identifying methods and challenges of waste management in natural disasters.** J Environ Manage. 2025;373:123514. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/39632303>.
6. Warren A, Hodnett C. **The “Be Prepared” programme: Enhancing local emergency preparedness through public education in Alberta.** Journal of Business Continuity & Emergency Planning. 2025;19(2):145-64. Available from: <https://doi.org/10.69554/AJEV6213>.

7. World Health Organization. **National health emergency alert and response framework**. Geneva, Switzerland: WHO; 2025 Oct. Available from: <https://www.who.int/publications/i/item/9789240113893>.

7. DISEASES, VECTORS, PESTS

COVID-19

1. Liu Q, Liu M, Liu J. **Climate-Sensitive Infectious Diseases under Global Climate Change**. Biomed Environ Sci. 2025;38(9):1129-41. Available from: <https://www.sciencedirect.com/science/article/pii/S0895398825001503>.
2. National Health Services Scotland. **Chapter 4 - Infection Control in the Built Environment and Decontamination. National Infection Prevention and Control Manual**. Available from: <https://phw.nhs.wales/services-and-teams/antibiotics-and-infections/nipcm/chapter-4-infection-control-in-the-built-environment-and-decontamination/>.
3. Zakkar M, Kolahdooz F, Jang SL, Wagg A, DeLancey D, Irlbacher-Fox S, et al. **Challenges faced by health policymakers responding to COVID-19 in remote communities in Northwest Territories, Canada**. Health Promot Int. 2025;40(5). Available from: <https://doi.org/10.1093/heapro/daaf159>.

ANIMAL VECTORS

1. Boyd E, Cuthbert E, Himsworth C, Byers K. **“You tested, now what?”: Exploring British Columbian dairy producers’ perceptions on Salmonella Dublin management and mitigation**. One Health. 2025;21:101250. Available from: <https://www.sciencedirect.com/science/article/pii/S2352771425002861>.
2. Dawood FS, Garg S, Patel P, Uyeki TM. **Asymptomatic Human Infections With Avian Influenza A(H5N1) Virus Confirmed by Molecular and Serologic Testing: A Scoping Review**. JAMA Network Open. 2025;8(10):e2540249-e. Available from: <https://doi.org/10.1001/jamanetworkopen.2025.40249>.
3. US Centers for Disease Control and Prevention. **Rabies in the United States: Protecting Public Health**. Atlanta, GA: US CDC; 2025 [Sep]; Available from: <https://www.cdc.gov/rabies/php/protecting-public-health/index.html>.
4. US Department of Agriculture. **Detections of Highly Pathogenic Avian Influenza in Mammals**. USDA, Animal and Plant Health Inspection Services; 2025 Oct 28. Available from: <https://www.aphis.usda.gov/livestock-poultry-disease/avian/avian-influenza/hpai-detections/mammals>.

INSECT VECTORS

1. Alizadeh I, Sedaghat MM, Faraji M, Sarkar A, Ludwig A, Lapen DR, et al. **Ontogenetic transfer of microplastics and nanoplastics in mosquitoes: a scoping review of environmental and health implications.** *Environ Sci Pollut Res Int.* 2025;32(33):19639-48. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/40790377>.
2. Platts-Mills TAE, Workman LJ, Richards NE, Wilson JM, McFeely EM. **Implications of a fatal anaphylactic reaction occurring 4 hours after eating beef in a young man with IgE antibodies to galactose 1,3-galactose.** *Journal of Allergy and Clinical Immunology: In Practice.* 2025. Available from: <https://doi.org/10.1016/j.jaip.2025.09.039>.
3. Soucheray S. **New Jersey man's death first one to be tied to tick-related meat allergy.** Minneapolis, MN: Center for Infectious Disease Research & Policy (CIDRAP), University of Minnesota, Research and Innovation Office; 2025 Nov 13. Available from: <https://www.cidrap.umn.edu/tick-borne-disease/new-jersey-mans-death-first-one-be-tied-tick-related-meat-allergy>.
4. Westcott JR, Bowden JJ, Savage J, Doody KM. **Rapid Northward Expansion of the Blacklegged Tick, Ixodes scapularis, in Response to Climate Change.** *Global Change Biology.* 2025;31(11):e70591. Available from: <https://onlinelibrary.wiley.com/doi/abs/10.1111/gcb.70591>.

PESTS, OTHER

1. 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>.
2. Punch R, Azani R, Ellison C, Majury A, Hynds PD, Payne SJ, et al. **The surveillance of antimicrobial resistance in wastewater from a one health perspective: A global scoping and temporal review (2014-2024).** *One Health.* 2025;21:101139. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/40727444>.

8. PUBLIC HEALTH FUNDAMENTALS

COMMUNICATION

1. Agius C, Shibata M. **Preparing to Play With Fire: Exploring Bushfire Preparedness and Risk Communication Among University Students in Australia.** *Health Promot J Austr.* 2025;36(4):e70064. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/40722121>.
2. Capurro G, Greenberg J. **Learning from the pandemic: Building capacity for risk communication in the Canadian federal health portfolio.** *Can J Public Health.* 2025. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/40085369>.

3. Chen J, Ye X, Jiang M, Xia B, Skitmore M, Liu Y. **Impact of video information intervention on public perceptions of waste-to-energy incineration facilities: An information processing theory perspective.** *Waste Manag.* 2025;203:114890. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/40378694>.
4. da Cunha DT. **Risk Perception, Communication and Behaviour Towards Food Safety Issues.** *Foods.* 2025;14(2). Available from: <https://www.ncbi.nlm.nih.gov/pubmed/39856988>.
5. Edwards A. **Risk communication - the science of making “meaningful numbers” or the art of making “meaningful pictures”?** *Patient Educ Couns.* 2025;140:109280. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/40773820>.
6. Eggeling-Bocker M, Karabetsos E, Christopoulou M, Link SC, Abacioglu F, Boehmert C. **Does personal relevance moderate communication effects? The example of risk communication about 5G-related electromagnetic fields.** *Open Res Eur.* 2025;5:13. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/40242639>.
7. Han PKJ. **Tolerating Uncertainty About the Communication of Risk.** *MDM Policy Pract.* 2025;10(1):23814683251314784. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/39995782>.
8. Hermawati S, Hickson J, Lawson G. **Tangible visualisation for risk communication and planning in heat emergency events: a case study in Nottingham City, UK.** *Public Health.* 2025;249:106019. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/41151387>.
9. Jokar M, Nobrega D. **Analyzing Public Google Search Interest in Measles Within Canada: Identifying Key Moments for Targeted Risk Communication.** *J Med Internet Res.* 2025;27:e75025. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/40632936>.
10. Ng M, Schumacher A, Herbert N, Wong-Parodi G, Ram N, Demuth J. **Examining the Temporal Dynamics of Risk Communication During Extreme Weather Events: Insights From a Scoping Review.** *Risk Anal.* 2025. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/41139521>.
11. Parida D, Agrawal S, Ambury H. **The state of hazard risk communication in Canada: a municipal perspective.** *Plann Pract Res.* 2025;40(4):841-68. Available from: <https://doi.org/10.1080/02697459.2025.2499682>.

HEALTH PROMOTION

1. Alsaqqa HH, Alwawi A. **Citizen science for research in public health: perspective.** *Front Public Health.* 2025;Volume 13 - 2025. Available from: <https://www.frontiersin.org/journals/public-health/articles/10.3389/fpubh.2025.1594293>.
2. Loureiro N, Marques A, Simões C, Coelho F, Gaspar S, Virgolino A, et al. **Chapter 6 - Promoting health behavior change across different environments: Universal principles of behavior modification at individual and community level.** In: Santos O, Santos RR, Virgolino A, editors. *Environmental Health Behavior: Academic Press; 2024.* p. 61-79. Available from: <https://www.sciencedirect.com/science/article/pii/B9780128240007000118>.

HEALTH IMPACT ASSESSMENT

1. Climate Ready BC. **The British Columbia Disaster and Climate Risk and Resilience Assessment.** Victoria, BC: Climate Ready BC; 2025; Available from: https://climatereadybc.gov.bc.ca/pages/dccra?utm_medium=email&utm_campaign=Four-Phases---October%2FNovember-2025-newsletter&utm_source=Envoke-Community-News-%28monthly-newsletter%29&utm_term=Emergency-Management-and-Climate-Readiness-October%2FNovember-.
2. Haughian SR, Fine L. **Consideration of climate change in Nova Scotian environmental assessments: A critical review and recommendations for improvement.** Proceedings of the Nova Scotian Institute of Science. 2025. Available from: <https://ojs.library.dal.ca/nsis/article/view/12676>.
3. White BK, Talamayan F, Aynsley TR, Riziki RB, Bertrand-Ferrandis C, Von Harbou K, et al. **Current Approaches To and Implementation of Information Environment Assessments in the Context of Public Health: Rapid Review.** JMIR Infodemiology. 2025;5:e72165. Available from: <https://doi.org/10.2196/72165>.
4. Zhai Y, Jiao H. **Risk Assessment of Urban Low-Temperature Vulnerability: Climate Resilience and Strategic Adaptations.** Sustainability. 2025;17(13):5705. Available from: <https://www.mdpi.com/2071-1050/17/13/5705>.

HEALTH EQUITY

1. Akhanemhe R, Petrokofsky C, Ismail SA. **Health impacts of cold exposure among people experiencing homelessness: A narrative systematic review on risks and risk-reduction approaches.** Public Health. 2025;240:80-7. Available from: <https://www.sciencedirect.com/science/article/pii/S0033350625000277>.
2. Bakke SA. **Emergency Sheltering for Unhoused Populations during Extreme Winter Weather Events: A Comparison Between Guidance Documents and Local Planning.** Omaha, NE: University of Nebraska Medical Center 2025. Available from: https://digitalcommons.unmc.edu/cgi/viewcontent.cgi?article=1395&context=coph_slce.
3. Ferreira JEdSM, da Silva CBC, do Nascimento JD, Lourenço CE, de Sousa Freire VEC, de Vasconcelos PF, et al. **Determinant factors amplifying climate vulnerability and their effects on the health of homeless persons: A scoping review.** 2025. Available from: <https://society.org/articles/activity/10.21203/rs.3.rs-6662770/v1>.
4. Graff M, Aung TW. **Energy Insecurity and Mental Health Symptoms in US Adults.** JAMA Network Open. 2025;8(10):e2539479-e. Available from: <https://doi.org/10.1001/jamanetworkopen.2025.39479>.
5. Homelessness Services Association of BC, Caspersen J, D'Souza S. **2025 Point-in-Time Homeless Count in Greater Vancouver Preliminary Data Report** Vancouver, BC: Lu'um Native Housing Society in consultation with: The Indigenous Homelessness Steering Committee; 2025. Available from: [VOL9 \(11\) November 2025](https://hsa-

</div>
<div data-bbox=)

[bc.ca/ Library/2024_25_HC/2025_PiT_Homeless_Count_for_GV_Preliminary_Data_Report_250_730.pdf](https://bc.ca/Library/2024_25_HC/2025_PiT_Homeless_Count_for_GV_Preliminary_Data_Report_250_730.pdf).

6. Perrich L, Mema SC, Laing S, Graham JR, Gaudet M, Cusack L. **Frostbite and hypothermia among individuals experiencing homelessness in the south interior region of BC: a chart review of emergency department presentations.** Journal of Social Distress and Homelessness. 2025:1-8. Available from: <https://doi.org/10.1080/10530789.2025.2463149>.
7. Trudeau M, Nieuwendyk L, Belon AP, Nykiforuk CIJ. **Evidence-informed recommendations for municipal supports of people experiencing homelessness during extreme weather events.** International Journal of Justice and Sustainability. 2025 10 01:1-25. Available from: <https://doi.org/10.1080/13549839.2025.2566518>.

ONE HEALTH, OTHER

1. Abdullahi IN, Mejri S, Okwume CC, Lawal NA, Olusegun OA, Sallem RB, et al. **Global epidemiology of high priority and pandemic Pseudomonas aeruginosa in pets, livestock, wild, and aquatic animals: a systematic review and meta-analysis.** Lett Appl Microbiol. 2025;78(3). Available from: <https://www.ncbi.nlm.nih.gov/pubmed/39999856>.
2. Bowser N, Bouchard C, Robertson M, Hongoh V, Richard L, Leighton P, et al. **'You adapt, and you try not to resent it': a qualitative study exploring impacts of living with ticks and barriers to adopting preventive measures in Canada.** BMC Public Health. 2025;25(1):2845. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/40830443>.
3. 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>.
4. Hobson S, Mallare J, Grieve H, Weese JS, Grant LE. **Climate-sensitive zoonotic diseases transmissible by companion animals: A scoping review protocol.** PLoS ONE. 2025;20(6):e0325568. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/40493539>.
5. 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>.
6. Osasah VA, Togami E, Aloosh M, Schoch-Spana M, Davis MF. **Existing strategies to address the risk of mosquito-transmitted dengue in the continental USA: opportunities to adopt a One Health approach.** Res Dir One Health. 2025;3:e8. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/41026577>.
7. Yadav PD, Baid K, Patil DY, Shirin T, Rahman MZ, Peel AJ, et al. **A One Health approach to understanding and managing Nipah virus outbreaks.** Nat Microbiol. 2025;10(6):1272-81. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/40437297>.

Other

1. Albert A, Amegadzie J, Klaver B, Mill C, Janjua NZ, Smolina K, et al. **Unpacking excess mortality in BC.** *British Columbia Medical Journal*. 2025;67(8). Available from: <https://bcmj.org/bc-centre-disease-control/unpacking-excess-mortality-bc>.
2. Canadian Public Health Association. **Climate and Health Policy Priorities for Canada - 2025.** Ottawa, ON: CPHA; 2025. Available from: <https://www.cpha.ca/lancet-2025>.
3. National Collaborating Centres for Public Health. **Core competencies for public health in Canada: Release 2.0.** NCCPH; 2025. Available from: https://nccph.ca/projects/core-competencies-for-public-health-in-canada/?mc_cid=07dba05d95&mc_eid=04816d6ac3.
4. Romanello M, Walawender M, Hsu S-C, Moskeland A, Palmeiro-Silva Y, Scamman D, et al. **The 2025 report of the Lancet Countdown on health and climate change.** *The Lancet*. 2025. Available from: [https://doi.org/10.1016/S0140-6736\(25\)01919-1](https://doi.org/10.1016/S0140-6736(25)01919-1).

9. OTHER TOPICS

CANNABIS PRODUCTS

1. Starline Appliance Repair North Vancouver. **How Vancouver's Cannabis Legalization and Home Growing Operations Are Overworking Your Ventilation Systems and Kitchen Appliances: Humidity Control, Air Quality Issues, and Equipment Maintenance for Indoor Cultivation.** North Vancouver, BC: Starline Appliance Repair North Vancouver; 2025 Oct 25. Available from: <https://northvancouverappliancepairs.ca/how-vancouvers-cannabis-legalization-and-home-growing-operations-are-overworking-your-ventilation-systems-and-kitchen-appliances-humidity-control-air-quality-issues-and-equipment-maintenance-for/>.
2. Zhong S, Wray A, Seabrook J, Gilliland JA. **The shifting riskscape: Changes in geographic accessibility to alcohol, cannabis, and tobacco in Ontario, Canada from 2019 to 2022.** *Int J Drug Policy*. 2025;145:104965. Available from: <https://www.sciencedirect.com/science/article/pii/S0955395925002610>.

TOBACCO, NICOTINE PRODUCTS

1. Gravely S, Cummings KM, East KA, Roberts ME, Freitas-Lemos R, Kock L, et al. **Tackling the “filter fraud”: a call for policy action to address environmental and health harms caused by cigarette filters.** *Nicotine Tob Res*. 2025. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/41091841>.
2. Nawawi M, Balachandran P, Janakiram C, Sreedevi A, Menon JC, Thankappan KR. **Effectiveness of Smoke-Free Home-based Interventions in Reducing Second-Hand Smoke Exposure in Children and Adults: A Systematic Review.** *Asian Pac J Cancer Prev*. 2025;26(9):3145-56. Available from: <https://doi.org/10.31557/apjcp.2025.26.9.3145>.

IONIZING, NON-IONIZING RADIATION

1. Selmaoui B, Jamal L, Michelant L. **Rapid Deployment of 5G Wireless Communication and Risk Assessment on Human Health: Quid Novi?** *Bioelectromagnetics*. 2025;46(4):e70005. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/40276940>.

PERSONAL SERVICES ESTABLISHMENTS, OTHER

1. Peebles A, Saroufim L, Udupa M, Litvinov IV, Hundal S, Netchiporouk E. **Tattoo inks and carcinogenic risk: Current evidence and regulatory gaps.** *J Am Acad Dermatol*. 2025;93(4):1130-3. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/40532823>.

Microplastics, Metals, Chemicals

1. Australia Department of Health Disability and Aging. **Safety review of seven active sunscreen ingredients.** Woden ACT: Australian Government; 2025 Aug. Available from: <https://www.tga.gov.au/resources/publication/corporate-reports/safety-review-seven-active-sunscreen-ingredients>.
2. Australian Pesticides and Veterinary Medicines Authority. **Consideration of submissions received on the Proposed Suspension of certain dimethoate products.** Canberra, ACT: APVMA; 2025 Nov. Available from: <https://www.apvma.gov.au/sites/default/files/2025-11/Proposed%20suspension%20of%20dimethoate%20products%20%E2%80%93%20consideration%20of%20submissions%20received.pdf>.
3. Ferdinand P. **Are your baby's clothes toxic? New study finds harmful chemicals in infant textiles.** 2025 Oct 20. Available from: <https://usrtk.org/healthwire/toxic-chemicals-in-baby-clothes/>.
4. Ikrema H, Mugudamani I, Oke SA. **Assessment of Environmental and Human Health Risks from Heavy Metal Contamination in Community Garden Soils Affected by an Industrial Fire Hazard in New Brunswick, Canada.** *Environments*. 2025;12(10):362. Available from: <https://www.mdpi.com/2076-3298/12/10/362>.
5. Irfan SS, Sanchez VG, Bloom MS, Chin HB, Espina V, Krall JR, et al. **Reproductive risk of Neonicotinoids: A review of male rodent studies.** *Environ Res*. 2025;286:122903. Available from: <https://www.sciencedirect.com/science/article/pii/S0013935125021553>.
6. Liu Z, Yang JZ. **Managing per- and polyfluoroalkyl substances (PFAS) risk amid uncertainty: Personal relevance, conflicting information, and communication behaviors.** *J Health Psychol*. 2025:13591053251338341. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/40443082>.
7. Xu J, Zhu Z, Dai B, Lin M, Yang H, Liu S, et al. **Environmental chemical factors associated with human biological age acceleration: an interpretable machine learning study.** *Arch Gerontol Geriatr*. 2026;140:106058. Available from: <https://www.sciencedirect.com/science/article/pii/S0167494325003152>.

AI, Other

1. Endo K, Mutoh A, Ogawa K, Satoh M. **Associations Between Pet Type (Co-Walkable, Indoor-Only, and Ornamental Pets) and Well-Being: Findings from a Large-Scale Cross-Sectional Study in Japan.** *Int J Environ Res Public Health.* 2025;22(11):1654. Available from: <https://www.mdpi.com/1660-4601/22/11/1654>.
2. Rogers K, Miller A, Girgis A, Clark EC, Neil-Sztramko SE, Dobbins M. **Leveraging AI to Optimize Maintenance of Health Evidence and Offer a One-Stop Shop for Quality-Appraised Evidence Syntheses on the Effectiveness of Public Health Interventions: Quality Improvement Project.** *J Med Internet Res.* 2025;27:e69700. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/40729661>.

10. SPECIFIC POPULATIONS

CHILDREN

1. den Ouden F, Cseresznye A, Engelen L, Maris E, Bosschaerts S, Gys C, et al. **Chemical exposure in childhood: A study on organophosphate flame retardants and plasticizers in a Flemish birth cohort.** *Environ Res.* 2026;288:123275. Available from: <https://www.sciencedirect.com/science/article/pii/S0013935125025289>.
2. Foster SA, Kile ML, Hystad P, Diamond ML, Mandhane PJ, Moraes TJ, et al. **Organophosphate ester flame retardants and plasticizers in house dust and Child Behavior Checklist outcomes: A nested study in the Canadian CHILD Birth Cohort.** *J Expo Sci Environ Epidemiol.* 2025. Available from: <https://doi.org/10.1038/s41370-025-00821-y>.
3. Green R, Till C, El-Sabbagh J, DaCosta A, Phipps E, Goodman CV, et al. **Corrigendum: Global randomized controlled trial of knowledge translation of children’s environmental health.** *Front Public Health.* 2025;13:1608418. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/40438055>.
4. Green R, Till C, El-Sabbagh J, DaCosta A, Phipps E, Goodman CV, et al. **Global randomized controlled trial of knowledge translation of children’s environmental health.** *Front Public Health.* 2025;13:1502006. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/40182521>.
5. McFarland MJ, Reuben A, Hauer M. **Contribution of childhood lead exposure to psychopathology in the US population over the past 75 years.** *J Child Psychol Psychiatry.* 2025;66(5):659-66. Available from: <https://acamh.onlinelibrary.wiley.com/doi/abs/10.1111/jcpp.14072>.
6. Walters MK, Ward TJ. **Respiratory health outcomes of children and adolescents exposed to wildfire smoke: a systematic review.** *Int J Environ Health Res.* 2025;1-15. Available from: <https://doi.org/10.1080/09603123.2025.2579084>.
7. Wang Y, Lu J, Long X, Li Z, Wang J. **Editorial: Impact of environmental factors on the health of children and older adults.** *Front Public Health.* 2025;Volume 13 - 2025. Available from: <https://www.frontiersin.org/journals/public-health/articles/10.3389/fpubh.2025.1679201>.

INDIGENOUS PEOPLES

1. Andrade-Rivas F, Kassem H, Mok K, Cassidy-Matthews C, Little M, Lemire M, et al. **Community engagement in Indigenous food systems contamination studies: A systematic scoping review.** PLoS ONE. 2025;20:e0336439. Available from: <http://dx.doi.org/10.1371/journal.pone.0336439>.
2. Behn Smith D, Chenery J, Dove N, Jongbloed K. **Using a metaphor of baskets and copper pots to identify “what work, whose work” in truth, rights, responsibilities, and reconciliation in public health.** Can J Public Health. 2025. Available from: <https://doi.org/10.17269/s41997-025-01116-3>.
3. Brownell M, Linden R, Nickel NC, Turnbull L, Sanscartier M, Frank K, et al. **‘Crossover kids’ in Manitoba: The intersection of the child protection system, youth criminal justice system and First Nations identity.** Children and Youth Services Review. 2025;178:108529. Available from: <https://www.sciencedirect.com/science/article/pii/S0190740925004128>.
4. Indigenous Climate Hub. **The Effects of Climate Change on Water Quality and Quantity.** Indigenous Climate Hub; 2025; Available from: <https://indigenousclimatehub.ca/climate-change-on-water-quality-and-quantity/>.
5. Kehinde MO, Schuster-Wallace C, Fowler D, Bharadwaj LA. **Weaving knowledge systems to eradicate drinking water crises in First Nations across Canada.** J Water Health. 2025;23(9):991-1003. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/41026129>.
6. Kenny T-A, Li N, Mathieu K, Teddy C, Wesche S, MacLean J, et al. **Unintended consequences: food prices increase in an Arctic indigenous community amidst road infrastructure development and loss of federal freight subsidy.** Frontiers in Nutrition. 2025;Volume 12 - 2025. Available from: <https://www.frontiersin.org/journals/nutrition/articles/10.3389/fnut.2025.1521800>.
7. Poon M, Oyerinde E. **A Toxic Legacy: Air Pollution, Indigenous Rights, and Environmental Justice in the Aamjiwnaang First Nation in Ontario, Canada.** University of Western Ontario Medical Journal. 2025;93(1). Available from: <https://ojs.lib.uwo.ca/index.php/uwomj/article/view/22922>.
8. Wilson S. **Indigenous Language Inclusion in Emergency Communications: A Case Study of the 2023 Yellowknife Wildfire Evacuation.** Victoria, BC: Royal Roads University; 2025. Available from: <https://www.proquest.com/openview/1443f122ee2c0f4d728ff77baf5997f6/1?cbl=18750&diss=y&pq-origsite=gscholar>.

OLDER ADULTS

1. Government of New Brunswick. **Age-friendly communities.** Saint John, NB: Government of New Brunswick; 2025; Available from: <https://www.gnb.ca/en/topic/family-home-community/seniors/age-friendly-communities.html>.
2. Kehoe MacLeod K, Wicks V, Isenberg SR, Backman C, Beogo I, Cénat JM, et al. **Developing an evidence base to inform retirement home policy development using an equity and diversity lens: a mixed methods study protocol.** BMC Geriatr. 2025;25(1):835. Available from: <https://doi.org/10.1186/s12877-025-06501-8>.

3. Reynolds KAA, Kudar K, Joshi J, Christianson I, Davidson D, Gopinath G, et al. **Telephone-based group mental health support for older adults in central Canada: pilot acceptability and effectiveness findings of The CONNECT Program.** *Front Public Health.* 2025;Volume 13 - 2025. Available from: <https://www.frontiersin.org/journals/public-health/articles/10.3389/fpubh.2025.1541583>.
4. Strough J, Best R, Parker AM, Azhar E, Atshan S. **Older Age Is Associated with Fewer Depression and Anxiety Symptoms Following Extreme Weather Adversity.** *Int J Environ Res Public Health.* 2025;22(10):1548. Available from: <https://www.mdpi.com/1660-4601/22/10/1548>.
5. Xi D, Liu L, Song J, Zhang M, Zeng Y, Ji JS. **Ageing-related functional and cognitive impairments and cold mortality risk: a longitudinal cohort study in China.** *The Lancet Planetary Health.* 2025;9(9). Available from: <https://doi.org/10.1016/j.lanplh.2025.101301>.
6. Yasin YM, Al-Hamad A, Metersky K, Richard E. **Uncovering key determinants of well-being among older Canadian retirees in New Brunswick: Protocol for a mixed-methods study.** *PLoS ONE.* 2025;20(10):e0334022. Available from: <https://doi.org/10.1371/journal.pone.0334022>.

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. 2025 November.

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.