

# ENVIRONMENTAL HEALTH RESEARCH SCAN

VOL 10 (3) MARCH 2026



<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> (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

*World Water Day is March 22.*

[Drinking water guidelines and governance \[subject guide\].](#)  
National Collaborating Centre for Environmental Health

[Small drinking water systems and private wells \[subject guide\].](#)  
National Collaborating Centre for Environmental Health



[Chronic wasting disease in wild game: What are the food security and safety concerns? \[blog\].](#)  
Juliette O’Keeffe, Senior Scientist, NCCEH

*“This blog outlines key facts about chronic wasting disease (CWD) in Canada, considers the food security and food safety concerns, and highlights essential CWD resources.”*



[Cold weather conditions: Health outcomes among people experiencing homelessness and interventions to prevent mortality and morbidity \[journal article\].](#)  
Rebecca Goulding, Environmental Health and Knowledge Translation Scientist, NCCEH

*“This review highlights evidence showing disproportionately high rates of cold-related illness among people experiencing homelessness, often accompanied by delayed care, more severe injuries, and an increased risk of complications.”*



[Environmental pathways of antimicrobial resistance: A One Health case study \[evidence brief\].](#)  
Negar Elmieh, Environmental Health and Knowledge Translation Scientist, NCCEH

*“...This case study explores three examples designed to illustrate the role of environmental public health in addressing AMR using a One Health lens.”*



[Public health on the pitch: Radiation readiness for the FIFA World Cup \[webinar- Mar 26, 2026\].](#)  
Wootton R, Kazzi Z.



[Policy prescriptions for Indigenous Healthy Energy Homes \[webinar – Apr 8, 2026\].](#)  
Shallard M, Allary C, Fayant K.



February research scan [research scan].  
National Collaborating Centre for Environmental Health



February e-news. Wildfire smoke: What is the relationship between  
outdoor and indoor air pollutants?... more.  
National Collaborating Centre for Environmental Health



## ENVIRONMENTAL HEALTH RESEARCH SCAN

### SELECTED RESOURCES

1. Goulding R. **Cold weather conditions: Health outcomes among people experiencing homelessness and interventions to prevent mortality and morbidity.** Environ Health Rev. 2026. Available from: <https://ncceh.ca/resources/journal-articles/cold-weather-conditions-health-outcomes-among-people-experiencing>.
2. 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>.
3. National Collaborating Centre for Environmental Health. **Emergency and Disaster Readiness Community of Practice (EDR-CoP) [forum].** Vancouver, BC: National Collaborating Centre for Environmental Health; 2026. Available from: <https://ncceh.ca/emergency-and-disaster-readiness-community-practice-edr-cop>.
4. 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>.
5. O’Keeffe J. **Chronic wasting disease in wild game: What are the food security and safety concerns? [blog].** Vancouver, BC: National Collaborating Centre for Environmental Health; 2026 03 04 Mar. Available from: <https://ncceh.ca/resources/blog/chronic-wasting-disease-wild-game-what-are-food-security-and-safety-concerns>.
6. Shallard M, Allary C, Fayant K. **Policy prescriptions for Indigenous Healthy Energy Homes [webinar].** Vancouver, BC: National Collaborating Centre for Environmental Health; 2026 Apr 8. Available from: <https://ncceh.ca/events/upcoming-webinars/policy-prescriptions-indigenous-healthy-energy-homes>.
7. Wootton R, Kazzi Z. **Public health on the pitch: Radiation readiness for the FIFA World Cup [webinar].** Vancouver, BC: National Collaborating Centre for Environmental Health; 2026 Mar 26. Available from: <https://ncceh.ca/events/upcoming-webinars/public-health-pitch-radiation-readiness-fifa-world-cup>.

## 1. AIR QUALITY

### INDOOR AIR

1. Canadian Underwriter. **Breaking bad. How clean is “clean” when it comes to property damage and the health side effects associated with illicit meth labs?** Toronto, ON: Canadian Underwriter; 2026 01 30. Available from: <https://www.canadianunderwriter.ca/news/claims/breaking-bad/>.
2. City of Toronto. **Air quality and wildfire smoke guidance for child care centres.** Toronto, ON: City of Toronto; 2026. Available from: <https://www.toronto.ca/community-people/health-wellness-care/health-programs-advice/air-quality/wildfire-air-quality-strategy/air-quality-and-wildfire-smoke-guidance-for-child-care-centres/>.
3. Falzone C, Martin J, Romain AC. **Impact of vertical greenery system on indoor air quality: Case study in a Luxembourg administrative building.** Build Environ. 2026;293:114318. Available from: <https://www.sciencedirect.com/science/article/pii/S0360132326001241>.
4. Thevenet F, Rossignol G, Angulo-Milhem S, Nicolas M, Verrielle M. **Formaldehyde releasers in cleaning products: Mapping an indoor issue.** J Hazard Mater. 2026 02 04;504:141393. Available from: <https://www.sciencedirect.com/science/article/pii/S0304389426003717>.
5. Wang M, Singh A, Chang D, Kaser I, Wagner J, Wang Z-M, et al. **Field Evaluation of Do-It-Yourself Air Filtration Solutions for Evaporative Coolers to Reduce Ambient Particle Infiltration in Homes in Wildfire-Affected Communities.** ACS ES&T Air. 2026. Available from: <https://doi.org/10.1021/acsestair.5c00488>.
6. Wildman J, Shea A, Cascione V, Henk D. **Mould susceptibility of bio-based insulation materials in modern construction.** npj Materials Degradation. 2026;10(1):29. Available from: <https://doi.org/10.1038/s41529-026-00742-7>.
7. Yang S, Wang N, Arnoldi-Meadows T, Bekö G, Zhang M, Merizak M, et al. **Our best friends: how dogs alter indoor air quality.** Environ Sci Tech. 2026;60(8):6404-14. Available from: <https://doi.org/10.1021/acs.est.5c13324>.

### OUTDOOR AIR

1. Canadian Environmental Law Association. **A Call for Change. Why Ontario’s Air Pollution System Fails to Protect Public Health.** Toronto, ON: CELA; 2026 Feb. Available from: <https://cela.ca/a-call-for-change/>.
2. Dang KV, Pacca L, Weuve J, Glymour MM, Brauer M, Lane KJ, et al. **Is memory in older adulthood influenced by changes in air pollution over the previous decade?: Examining concurrent trajectories in ambient PM2.5 and NO2 using sequence analysis.** Environmental Epidemiology. 2026;10(1). Available from: [https://journals.lww.com/environepidem/fulltext/2026/02000/is\\_memory\\_in\\_older\\_adulthood\\_influenced\\_by\\_changes.12.aspx](https://journals.lww.com/environepidem/fulltext/2026/02000/is_memory_in_older_adulthood_influenced_by_changes.12.aspx).
3. Deng Y, Liu Y, Hao H, Xu K, Zhu Q, Li H, et al. **The role of comorbidities in the associations between air pollution and Alzheimer’s disease: A national cohort study in the American Medicare**

- population.** PLoS Med. 2026;23(2):e1004912. Available from: <https://doi.org/10.1371/journal.pmed.1004912>.
4. Durney C, Tawara A, Brauer M, Atkar-Khattra S, Myers R, Meza R, et al. **APEX: A Web-Based Tool for Assessing Long-Term Outdoor PM2.5 Exposure - Brief Report.** JTO Clinical and Research Reports. 2026:100975. Available from: [https://www.jtocrr.org/article/S2666-3643\(26\)00026-3/pdf](https://www.jtocrr.org/article/S2666-3643(26)00026-3/pdf).
  5. European Environment Agency. **Pollution and mental health: current scientific evidence.** Copenhagen, Denmark: European Environment Agency and European Environment Information and Observation Network; 2026 Mar. Available from: <https://www.eea.europa.eu/en/analysis/publications/pollution-and-mental-health-current-scientific-evidence>.
  6. European Environment Agency. **Exposure to pollution linked to depression, anxiety and other mental health issues.** 2026 Mar. Available from: <https://www.eea.europa.eu/en/newsroom/news/exposure-to-pollution-linked-to-depression-anxiety-and-other-mental-health-issues>.
  7. European Public Health Alliance. **Meet PUREPOLIS: New Horizon project aims to improve pollution management and protect urban health across Europe.** Brussels, Belgium: European Public Health Alliance; 2026. Available from: <https://epha.org/meet-purepolis-new-horizon-project-aims-to-improve-pollution-management-and-protect-urban-health-across-europe/>.

#### RADON, OTHER

1. Martell M, Perko T. **Empowering communities: the impact of citizen science on radon measurement and mitigation.** Radiat Environ Biophys. 2026. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/41609833>.
2. Maxfield N, Semprini J. **Lung cancer incidence in counties at low and high risk of Radon Exposure: A Population-Based SEER analysis (1975-2022).** Lung Cancer. 2026;214:109334. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/41707340>.
3. Pelley L. **Answering your radon questions.** 2026 Mar 10. Available from: <https://www.cbc.ca/player/play/video/9.7122538>.
4. Yusuf R, Rathebe PC. **Health implications of radon exposure among children: a systematic review.** children (Basel). 2026;13(2). Available from: <https://www.ncbi.nlm.nih.gov/pubmed/41749564>.

## 2. FOOD

#### FOOD SAFETY

1. D'Amore T, Akermi S, Ben Amara F, Smaoui S. **Chapter 9 - Toxicity and safety analysis of alternative and novel food sources.** In: Sarkar T, Smaoui S, editors. Health, Nutrition and Sustainability:

- Academic Press; 2026. p. 165-83. Available from:  
<https://www.sciencedirect.com/science/article/pii/B9780443329203000070>.
2. Kirchner L. **We Tested 41 Baby Formulas for Lead and Arsenic**. *Consum Rep*. 2026. Available from:  
<https://www.consumerreports.org/babies-kids/baby-formula/baby-formula-contaminants-test-results-a7140095293/>.
  3. Li W, Lin S, Zhang L, Yu J, Cai Y, Wu D, et al. **Nanomaterials in the food industry: applications and potential health risks**. *Food Chem*. 2026;507:148164. Available from:  
<https://doi.org/10.1016/j.foodchem.2026.148164>.
  4. Sobhan A, Hossain A, Wei L, Muthukumarappan K, Ahmed M. **IoT-Enabled Biosensors in Food Packaging: A Breakthrough in Food Safety for Monitoring Risks in Real Time**. *Foods*. 2025;14(8). Available from: <https://www.ncbi.nlm.nih.gov/pubmed/40282803>.
  5. Sy M, Thomas MK, Nesbitt A, Thaivalappil A, Young I. **Food Safety Knowledge and Behaviors of Canadians: Foodbook 2.0**. *J Food Prot*. 2026;89(3):100701. Available from:  
<https://www.ncbi.nlm.nih.gov/pubmed/41544976>.
  6. Temkin AM, Subramaniam V, Friedman A, Fleury E, de Montagnac D, Campbell C, et al. **A cumulative dietary pesticide exposure score based on produce consumption is associated with urinary pesticide biomarkers in a U.S. biomonitoring cohort**. *Int J Hyg Environ Health*. 2025;270:114654. Available from:  
<https://www.sciencedirect.com/science/article/pii/S1438463925001361>.
  7. Thorsen M, Hill J, Farber J, Yiannas F, Rietjens I, Venter P, et al. **Megatrends and emerging issues: Impacts on food safety**. *Compr Rev Food Sci Food Saf*. 2025;24(3):e70170. Available from:  
<https://www.ncbi.nlm.nih.gov/pubmed/40183602>.
  8. Uddin MH, Ritu JR, Niyogi S, Chivers DP. **Multigenerational effects of selected environmental contaminants in fishes: A comprehensive review**. *Comparative biochemistry and physiology Toxicology & pharmacology : CBP*. 2026;302:110453. Available from:  
<https://doi.org/10.1016/j.cbpc.2026.110453>.
  9. Viazis S, Conrad A, Palacios A, Busbee AL, Kirchner M, Cataldo N, et al. **An Overview of Listeriosis Outbreak Investigations in the United States Linked to Imported Enoki Mushrooms and Associated Regulatory Activities, Research, and Food Safety Knowledge Gaps**. *Compr Rev Food Sci Food Saf*. 2025;24(5):e70292. Available from:  
<https://www.ncbi.nlm.nih.gov/pubmed/40958164>.

#### FOOD SECURITY

1. Onyango E, Mori K, Jirel B, Otoadese D. **The food (in)security and mental health nexus in high-risk immigrant populations in middle- and high-income countries: A scoping review**. *Soc Sci Med*. 2025;380:118185. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/40408790>.
2. Wills O, Kerr M, Pakravan-Charvadeh MR, Longworth Z, Shafiee M, Vatanparast H. **Mapping the Evidence on Food Security Outcomes and Initiatives Among Climate Refugees: A Scoping Review**. *Foods*. 2026;15(4). Available from: <https://www.ncbi.nlm.nih.gov/pubmed/41750969>.

## GROWING FOOD, OTHER

1. Caffrey C, Ford-Baxter T. **Something's Growing in the Library: Demonstrating Sustainability Impacts Through Seed Libraries**. In: Tribelhorn SK, Mehra B, editors. *Advances in Librarianship Case Exemplars of How Academic Libraries Promote Sustainable Communities* Available to Purchase: Emerald Publishing Ltd; 2026. Available from: <https://doi.org/10.1108/S0065-283020250000059015>.

## 3. WATER

### DRINKING WATER

1. British Columbia Ministry of Water Land and Resource Stewardship. **British Columbia Approved Water Quality Guidelines: Aquatic Life, Wildlife and Agriculture** Victoria, BC: Government of BC; 2026 Feb. Available from: [https://www2.gov.bc.ca/assets/gov/environment/air-land-water/water/waterquality/water-quality-guidelines/approved-wqgs/wqg\\_summary\\_aquaticlife\\_wildlife\\_agri.pdf](https://www2.gov.bc.ca/assets/gov/environment/air-land-water/water/waterquality/water-quality-guidelines/approved-wqgs/wqg_summary_aquaticlife_wildlife_agri.pdf).
2. de Leon Rabago R, Li L, Tu Q. **Impacts of wildfire-related chemicals on surface drinking water sources: Status and research gaps**. *Sci Total Environ*. 2026;1017:181472. Available from: <https://www.sciencedirect.com/science/article/pii/S0048969726001324>.
3. Moghaddam-Ghadimi S, Tam A, Khan UT, Gora SL. **How might climate change impact water safety and boil water advisories in Canada?** *FACETS*. 2023;8:1-21. Available from: <https://www.facetsjournal.com/doi/abs/10.1139/facets-2022-0223>.
4. 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>.
5. Ravindran K, Saba M, Mehrvar M, Sekercioglu F, Bustillo-LeCompte C. **Examining the facilitators and barriers to public health inspector oversight of small drinking water systems in Ontario, Canada: A frontline perspective**. *Utilities Policy*. 2026;99:102154. Available from: <https://www.sciencedirect.com/science/article/pii/S0957178726000135>.

### RECREATIONAL WATER

1. Nayeri T, Hataminejad M, Kassani A, Anvari D, Maspi N, Moridnia A. **Molecular prevalence of Toxoplasma gondii in water and wastewater of the world: a systematic review and meta-analysis**. *Parasitol Int*. 2026;111:103181. Available from: <https://doi.org/10.1016/j.parint.2025.103181>.

2. Public Health Sante Publique Sudbury and Districts. **Hot tub likely infected two Sudburians with legionella, says PHSD.** 2026. Available from: <https://www.sudbury.com/local-news/hot-tub-likely-infected-two-sudburians-with-legionella-says-phsd-11925880>.
3. Tang L, Sylvestre É, Hamilton KA, Hammes F, Julian TR. **Impacts of dynamic aerosol and pathogen concentrations on risks of Legionella pneumophila for public showers in Switzerland based on a quantitative microbial risk assessment framework.** Water Res. 2026;293:125451. Available from: <https://doi.org/10.1016/j.watres.2026.125451>.
4. Wu Q, Chen X, Ye X, Yan Y, Ma X, Wang Y, et al. **Association between swimming pool attendance and allergic diseases: An updated systematic review and meta-analysis.** Regulatory toxicology and pharmacology : RTP. 2026;167:106061. Available from: <https://doi.org/10.1016/j.yrtph.2026.106061>.

#### SMALL WATER SYSTEMS

1. 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>.

#### WASTEWATER, OTHER

1. Price S, Nguyen L, Manthapuri V, Sigler K, Choi P, Markham C, et al. **Representation of urban and rural contexts in the application of wastewater surveillance for antimicrobial resistance: A systematic review.** Water Res. 2026;294:125450. Available from: <https://doi.org/10.1016/j.watres.2026.125450>.
2. Yang G, Liu Z-H, Liu Y, Harada KH. **Wastewater treatment plants as sinks and sources of PFASs: A global comparative review of occurrence, removal, and risks.** Water Res. 2026;293:125167. Available from: <https://doi.org/10.1016/j.watres.2025.125167>.
3. Yang S. **Assessing the feasibility of implementing the Sponge City concept as a climate change response in mid-sized Ontario cities: A case study in the City of Kingston, Ontario.** Kingston, ON: Queen's University; 2026. Available from: <https://queensu.scholaris.ca/items/dedb2758-71cc-47bb-93fa-c1120bb52531>.

## 4. CLIMATE CHANGE

#### EXTREME WEATHER

1. Brullo T, Barnett J, Waters E, Boulter S. **A method for tracking national progress towards climate change adaptation.** Climate Risk Management. 2026;51:100800. Available from: <https://www.sciencedirect.com/science/article/pii/S2212096326000136>.

2. Fraser Basin Council. **Extreme Heat Mapping Project Guidance Framework**. Vancouver, BC: Fraser Basin Council; 2026 Jan. Available from: [https://www.fraserbasin.bc.ca/Library/CCAQ/ExtremeHeatGuide\\_2026.pdf](https://www.fraserbasin.bc.ca/Library/CCAQ/ExtremeHeatGuide_2026.pdf).
3. Fraser Basin Council. **Approaches to Mapping Extreme Heat in British Columbia: A Case Study Report**. Vancouver, BC: Fraser Basin Council; 2026 Jan. Available from: <https://www.fraserbasin.bc.ca/Library/CCAQ/Mapping%20Extreme%20Heat%20BC%20FINAL.pdf>.
4. Golnaraghi M, Vichev Z. **Reducing exposure and vulnerability to extreme weather**. Zurich, Switzerland: Geneva Association; 2025. Available from: [https://www.genevaassociation.org/sites/default/files/2025-05/safeguarding\\_home\\_insurance\\_140525.pdf](https://www.genevaassociation.org/sites/default/files/2025-05/safeguarding_home_insurance_140525.pdf).
5. Goulding R. **Cold weather conditions: Health outcomes among people experiencing homelessness and interventions to prevent mortality and morbidity**. Environ Health Rev. 2026 03 11. Available from: <https://ncceh.ca/resources/journal-articles/cold-weather-conditions-health-outcomes-among-people-experiencing>.
6. Kim Y-J, Yeh S-W, Wang G, Ng B. **Nonlinear increase of compound drought-heatwave events since the early 2000s**. Sci Adv. 2026;12(10):eaea3038. Available from: <https://www.science.org/doi/abs/10.1126/sciadv.aea3038>.
7. Kovats S, Lokubal P, Filippi V. **Heat and Pregnancy**. JAMA. 2026. Available from: <https://doi.org/10.1001/jama.2026.0001>.
8. Rhaman A, Russell DJ, Kardol LR, Quintrell E, Morgan S, Maung C, et al. **Prenatal ambient heat exposure and neurodevelopment: A scoping review of human and animal research**. Int J Hyg Environ Health. 2026;272:114741. Available from: <https://www.sciencedirect.com/science/article/pii/S1438463926000015>.
9. Rhaman A, Russell DJ, Kardol LR, Quintrell E, Morgan S, Maung C, et al. **Corrigendum to “Prenatal ambient heat exposure and neurodevelopment: A scoping review of human and animal research”** [Int. J. Hyg Environ. Health 272 (March 2026) 114741]. Int J Hyg Environ Health. 2026;273:114747. Available from: <https://doi.org/10.1016/j.ijheh.2026.114747>.
10. Sharmin DF, Henstra D, Thistlethwaite J. **A Systematic Review of the Impacts of Climate Change on Critical Infrastructure in Canada**. Environ Manage. 2026;76(3):103. Available from: <https://doi.org/10.1007/s00267-026-02406-3>.
11. Wabnitz KJP, Leppmeier L, Kuempfel R, Leibinger A, Nowossadeck E, Rehfuess E, et al. **Heat, health and inequalities in the WHO European region – a scoping review with an intersectional lens**. Int J Equity Health. 2026;25(1):60. Available from: <https://doi.org/10.1186/s12939-026-02787-1>.

## FLOODING

1. Azhar M, Kane B, Vahedifard F, AghaKouchak A. **Comprehensive portfolio of adaptation measures to safeguard against evolving flood risks in a changing climate**. Communications Earth & Environment. 2025;6(1):824. Available from: <https://doi.org/10.1038/s43247-025-02779-z>.

2. British Columbia Flood Strategy Team, British Columbia Ministry of Water, Land and Resource Stewardship. **From Flood Risk to Resilience: a B.C. Flood Strategy to 2035**. Victoria, BC: Government of BC; 2025. Available from: [https://www2.gov.bc.ca/assets/gov/environment/air-land-water/water/integrated-flood-hazard-mgmt/bc\\_flood\\_strategy.pdf](https://www2.gov.bc.ca/assets/gov/environment/air-land-water/water/integrated-flood-hazard-mgmt/bc_flood_strategy.pdf).
3. Del Prete C, Valente M, Mitiku Saji A, Khorram-Manesh A, Ragazzoni L. **Understanding vulnerability to flood-induced disasters: a comprehensive scoping review on at-risk individuals and evacuation challenges**. BMC Health Serv Res. 2025;26(1):171. Available from: <https://doi.org/10.1186/s12913-025-13898-w>.
4. Deschamps B, Boudreault M, Gachon P. **Contributing Factors to Residential Flood Damage in Canada**. Available at SSRN 4645910. 2025. Available from: <https://doi.org/10.1016/j.ijdr.2025.105348>.
5. Fereshtehpour M, Bashir R, Tandon NF. **Risk-based framework to determine climate-informed design storms for road drainage infrastructure**. Sci Total Environ. 2025;1001:180427. Available from: <https://www.sciencedirect.com/science/article/pii/S0048969725020674>.
6. Fernandes JN. **Core Challenges for Sustainable River Flood Management**. Sustainability. 2025;17(24):10981. Available from: <https://www.mdpi.com/2071-1050/17/24/10981>.
7. Foran H, Sinha M, Pinault L. **The intersection of flooding and deprivation: A study of neighbourhoods**. Ottawa, ON: Statistics Canada; 2025 Jan 29. Available from: <https://www150.statcan.gc.ca/n1/pub/75-006-x/2025002/article/00001-eng.htm>.
8. Haque CE, Azad MAK, Zaman JR, Choudhury M. **Social learning and collective action in flood-hazard management in Manitoba, Canada**. Environmental Hazards. 2025;24(4):365-90. Available from: <https://doi.org/10.1080/17477891.2024.2400131>.
9. Khalid S, Alam A. **Nature-Based Solutions: A Prospective Strategy in Pluvial Flood Management**. In: Mahmood S, editor. Flood Risk Reduction: Cutting-Edge Strategies and Innovative Technologies. Cham: Springer Nature Switzerland; 2026. p. 351-74. Available from: [https://doi.org/10.1007/978-3-032-12225-4\\_18](https://doi.org/10.1007/978-3-032-12225-4_18).
10. Lee J, Park SY, Wadhwa A, Packman AI, Nesbitt SW, Sharma A, et al. **Comparing multi-source urban flood indicators: satellite, simulation, and citizen-reported data**. Environmental Research: Water. 2025;1(3):035007. Available from: <https://doi.org/10.1088/3033-4942/ae0aed>.
11. Lokman K. **The power of confluence: A guide for integrated flood management for B.C. communities**. Victoria, BC: University of Victoria, Pacific Institute for Climate Solutions; 2025. Available from: <https://climatesolutions.ca/explainers/the-power-of-confluence-a-guide-for-integrated-flood-management-for-b-c-communities/>.
12. Mabrouk M. **Toward climate-resilient cities: A review of nature-based solutions for urban flood management**. Advance in Sustainability. 2025;5(1). Available from: <https://www.hillpublisher.com/ArticleDetails/5541>.
13. McCormack J, Armendariz C, Ferrante F, Grimm E, Gruenloh S. **Rising Waters, Rising Costs: Understanding Flood Risk, Insurance, & the Price of Inaction**. Milwaukee, WI: University of Wisconsin - Milwaukee; 2025 Apr. Available from: <https://uwm.edu/centerforwaterpolicy/wp-content/uploads/sites/667/2025/05/Rising-Waters-Rising-Costs-Understanding-Flood-Risk-Insurance-the-Price-of-Inaction.pdf>.

14. Morris M, Horton B, de Haldevang A, Wade K, Powell G, Morrison K, et al. **Assessing the multiple benefits of Natural Flood Management**. Edmonton, AB: Prepared by Stantec for: Royal Society of Wildlife Trusts commissioned in partnership with Intact Insurance; 2025. Available from: [https://www.wildlifetrusts.org/sites/default/files/2025-10/2025\\_FEB\\_NaturalFloodManagement\\_Full\\_Report\\_DIGITAL\\_SPREAD%201.pdf](https://www.wildlifetrusts.org/sites/default/files/2025-10/2025_FEB_NaturalFloodManagement_Full_Report_DIGITAL_SPREAD%201.pdf).
15. Natural Resources Canada. **Toolbox for Flood Hazard Education and Information**. Ottawa, ON: Government of Canada; 2025. Available from: <https://natural-resources.canada.ca/science-data/science-research/natural-hazards/flood-mapping/toolbox-flood-hazard-education-information>.
16. Quagliolo C, Roebeling P, Pezzoli A, Matos FA, López-Maciél M, Comino E. **Valuing the contribution of green roofs to pluvial flood risk mitigation: A cost-benefit analysis**. *Cities*. 2026;168:106405. Available from: <https://www.sciencedirect.com/science/article/pii/S0264275125007061>.
17. Singh A, Mansfield H, Pregnotato M, Wright N. **A Subgrid Modelling Approach to Nature-Based Solutions (NbS): Enhancing Flood Risk Management in Riseley, UK**. *Journal of Flood Risk Management*. 2025;18(2):e70067. Available from: <https://onlinelibrary.wiley.com/doi/abs/10.1111/jfr3.70067>.
18. Su J, Pedersen JW, Ringgaard IM, Larsen MAD. **Incorporating compound flood events in the weather service value chain**. *npj Natural Hazards*. 2025;2(1):26. Available from: <https://doi.org/10.1038/s44304-025-00077-4>.
19. Todini E. **Understanding and Mitigating Urban Flood Risk**. *Hydrology [serial on the Internet]*. 2025; 12(6): Available from: <https://doi.org/10.3390/hydrology12060146>.
20. 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>.
21. Xu Y, Sirianni H, Wade E, Hoover F-A, Mukherji A, Narayan S. **A global systematic review of socio-economic impact assessments of high-tide flooding**. *Frontiers in Human Dynamics*. 2025;Volume 7 - 2025. Available from: <https://www.frontiersin.org/journals/human-dynamics/articles/10.3389/fhumd.2025.1644814>.
22. Yakubu S, Mousavi S, Palade V, Eden J, Kabajulizi J, Salari N, et al. **Flooding and the risk of PTSD, depression, and anxiety: A systematic review and meta-analysis**. *Environ Res*. 2026;296:124063. Available from: <https://www.sciencedirect.com/science/article/pii/S0013935126003919>.
23. Yang S. **Assessing the feasibility of implementing the Sponge City concept as a climate change response in mid-sized Ontario cities: A case study in the City of Kingston, Ontario**. Kingston, ON: Queen's University; 2025. Available from: <https://queensu.scholaris.ca/items/dedb2758-71cc-47bb-93fa-c1120bb52531>.
24. Zhang M, Nicholls RJ, Wen J, AghaKouchak A, Bouma TJ, Darby SE, et al. **Growing compound-flood risk, driven by both climate change and land subsidence, challenges flood risk reduction in major delta cities**. *One Earth*. 2025;8(12):101489. Available from: <https://www.sciencedirect.com/science/article/pii/S259033222500315X>.

#### SEA LEVEL RISE

1. Obara C, Fletcher CH, Habel S, McDonald K, Yamamoto K. **Drainage failure and associated urban impacts under combined sea-level rise and precipitation scenarios.** *Sci Rep.* 2025;15(1):23436. Available from: <https://pmc.ncbi.nlm.nih.gov/articles/PMC12222479/>.
2. Magalhães FC, Amado M, Bras A, Flores Colen I. **Coastal Adaptation to Sea Level Rise: Global Strategies and opportunities for Urban Planning.** SSRN. 2026. Available from: [https://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=6177973](https://papers.ssrn.com/sol3/papers.cfm?abstract_id=6177973).
3. Seeger K, Minderhoud PSJ. **Sea level much higher than assumed in most coastal hazard assessments.** *Nature.* 2026. Available from: <https://doi.org/10.1038/s41586-026-10196-1>.

#### WILDFIRES, OTHER

1. Ha HJ, Long JA. **Measuring evacuation rates from mobility data during the McDougall Creek wildfire in British Columbia, Canada.** *Computers, Environment and Urban Systems.* 2025;119:102286. Available from: <https://www.sciencedirect.com/science/article/pii/S0198971525000390>.
2. Brandes OM, Donaldson D, O’Riordan J. **Wildfire Resilience and a Cross-Government Approach in British Columbia. University of Victoria’s POLIS Wildfire Resilience Project — Ember Insights Series.** Victoria, BC: University of Victoria; 2026 Mar. Available from: [https://poliswildfireproject.org/wp-content/uploads/2025/09/CrossGovernment\\_FINAL.pdf](https://poliswildfireproject.org/wp-content/uploads/2025/09/CrossGovernment_FINAL.pdf).
3. Coulson G, Bennett J, Halley C, Rindelaub J, Olivares G, Longley I. **Fire smoke and public health: From delayed warnings to real-time action.** Wellington South, New Zealand | Aotearoa: Public Health Communication Centre; 2026 Mar. Available from: <https://www.phcc.org.nz/briefing/fire-smoke-and-public-health-delayed-warnings-real-time-action>.
4. Indigenous Leadership Initiative. **A Path Forward for Indigenous Wildfire Operations and Resource Sharing.** Mashteuiatsh, QC: Indigenous Leadership Initiative; 2026 [updated Feb 17]; Available from: <https://www.ilinationhood.ca/blog/path-for-indigenous-wildfire-operations-resource-sharing>.
5. Kircheis L. **Wildfire smoke increases assaults: evidence from Seattle.** *Environmental Research Letters.* 2026;21(4):044020. Available from: <https://doi.org/10.1088/1748-9326/ae436c>.
6. McConnell K, Mueller JT, Burow PB, St. Denis LA. **Urban areas in the United States experience substantial wildfire impacts.** *Communications Earth & Environment.* 2026. Available from: <https://doi.org/10.1038/s43247-026-03336-y>.
7. Raei B, Sen A, Kinatader M, Bénichou N, Wang X. **Optimizing evacuation routes for human mobility during wildfires: A case study of the 2023 McDougall Creek Wildfire.** *Transportation Research Part D: Transport and Environment.* 2026;153:105216. Available from: <https://www.sciencedirect.com/science/article/pii/S136192092600009X>.

8. Wardle T, Syed A, Scanlan LD, Saxena P, Basu R, Holm S, et al. **Narrative review of wildfire smoke interventions: considering the unique vulnerabilities of children and pregnant individuals.** *J Expo Sci Environ Epidemiol.* 2026. Available from: <https://doi.org/10.1038/s41370-026-00847-w>.
9. Yin C, Abatzoglou JT, Jones MW, Cullen AC, Sadegh M, Wang J, et al. **Increasing synchronicity of global extreme fire weather.** *Sci Adv.* 2026;12(8):eadx8813. Available from: <https://www.science.org/doi/abs/10.1126/sciadv.adx8813>.
10. US Environmental Protection Agency. **Frequent Questions About Wildland Fire Smoke for Community Leaders.** 2026 02 26. Available from: <https://www.epa.gov/wildfires/frequent-questions-about-wildland-fire-smoke-community-leaders>.

## 5. BUILT ENVIRONMENT

### GREEN & BLUE SPACES

1. Baquedano C, Olguí A, Contreras-Huerta LS, Rosas FE, Estarellas M. **Your brain on nature: A scoping review of the neuroscience of nature exposure.** *Neurosci Biobehav Rev.* 2026;183:106565. Available from: <https://doi.org/10.1016/j.neubiorev.2026.106565>.
2. Beute F, Marselle MR, Olszewska-Guzzo A, Andreucci MB, Lammel A, Davies ZG, et al. **Mental health benefits of specific blue space types and characteristics: A systematic evidence map.** *Environ Res.* 2026;297:124054. Available from: <https://www.sciencedirect.com/science/article/pii/S0013935126003828>.
3. Williams C, Tefera Y, Soebarto V, Kandulu J, Lowe M, Humphrey J, et al. **From Policy to Action: Co-Designing Research With Local Government to Advance Urban Greening.** *Health Promot J Aust.* 2026;37(2):e70164. Available from: <https://doi.org/10.1002/hpja.70164>.

### HOUSING

1. Clean Energy Canada, Community Energy Association. **Making All New B.C. Homes EV-Ready Policy Roadmap.** Vancouver, BC: Clean Energy Canada; Morris J. Wosk Centre for Dialogue; Simon Fraser University | Harbour Centre; 2026 2026-01-28. Available from: [https://cleanenergycanada.org/wp-content/uploads/2026/01/Report\\_2026\\_EVReadinessRoadmapBC\\_V3.pdf](https://cleanenergycanada.org/wp-content/uploads/2026/01/Report_2026_EVReadinessRoadmapBC_V3.pdf).

### NOISE

1. Holland Brown T, Brown SB. **Noise pollution and its overlooked impact on child and adolescent health.** *Paediatrics & Child Health.* 2026. Available from: <https://doi.org/10.1093/pch/pxaf119>.

## PLANNING & DESIGN

1. European Commission. **EU-level technical guidance on adapting buildings to climate change. Best practice guidance.** Luxembourg: European Commission; 2023 Mar. Available from: <https://build-up.ec.europa.eu/sites/default/files/content/eu-level-technical-guidance-on-adapting-buildings-ml0923118enn.pdf>.
2. Jiao Y. **Advancing Water Resilience: Integrating Water Sensitive Urban Design (WSUD) in Vancouver.** Vancouver, BC: University of British Columbia; 2025. Available from: [https://lfs-mlws-2020.sites.olt.ubc.ca/files/2025/09/yaoyunjiao\\_1100574\\_40783746\\_Major-Project-Yunjiao-Yao-2.pdf](https://lfs-mlws-2020.sites.olt.ubc.ca/files/2025/09/yaoyunjiao_1100574_40783746_Major-Project-Yunjiao-Yao-2.pdf).
3. 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>.
4. Wu H, Han G, Yang L, Liang R. **How does the built environment affect obesity? A review from the perspective of urban planning.** *Int J Environ Sci Technol*. 2026;23(4):284. Available from: <https://doi.org/10.1007/s13762-026-07081-9>.

## TRANSPORTATION, OTHER

1. Graham B. **Electric buses are passing a brutal cold-weather test in Wisconsin.** *The Grist*. 2026 Feb 23. Available from: <https://grist.org/transportation/electric-buses-are-passing-a-brutal-cold-weather-test-in-wisconsin/>.
2. Transportation Research Board, Engineering NAOs, Medicine. **Air Quality Inside Buses.** Srebric J, Zhu S, Spengler JD, Zevitas CD, Simon MC, editors. Washington, DC: The National Academies Press; 2026. Available from: <https://nap.nationalacademies.org/catalog/29357/air-quality-inside-buses>.

## 6. NON-CLIMATE RELATED DISASTERS

### EARTHQUAKES

1. Federal Emergency Management Agency (FEMA). **Guidelines for Design of Structures for Vertical Evacuation from Tsunamis.** Washington, US: FEMA; 2019 Aug. Available from: [https://www.fema.gov/sites/default/files/documents/fema\\_rsl\\_guidelines-for-design-of-structures-for-vertical-evacuation-from-tsunamis\\_050925.pdf](https://www.fema.gov/sites/default/files/documents/fema_rsl_guidelines-for-design-of-structures-for-vertical-evacuation-from-tsunamis_050925.pdf).

### MARINE

## TERRESTRIAL, OTHER

1. Varner C. **Mass gathering events underscore serious vulnerabilities in health care capacity in Canada.** *Can Med Assoc J.* 2026;198(2):E51-E2. Available from: <https://www.cmaj.ca/content/cmaj/198/2/E51.full.pdf>.

## 7. DISEASES, VECTORS, PESTS

### COVID-19

1. Asokan S, Damilare II, Kumar S, Pandey RK, Verma G, Banerjee N, et al. **From pandemic influenza to novel coronaviruses: emerging infectious diseases of the 21<sup>st</sup> century.** *Diagn Microbiol Infect Dis.* 2026;114(4):117277. Available from: <https://doi.org/10.1016/j.diagmicrobio.2026.117277>.
2. Health Canada. **The Time to Act is Now. Report of the Expert Panel for the Review of the Federal Approach to Pandemic Science Advice and Research Coordination.** Ottawa, ON: Health Canada; 2026 Feb. Available from: <https://www.canada.ca/content/dam/hc-sc/documents/corporate/about-health-canada/public-engagement/external-advisory-bodies/review-federal-approach-pandemic-science-advice-research-coordination/time-to-act/time-to-act.pdf>.
3. Pântea I, Conlan AJK, Gaythorpe KAM. **Associations and mechanisms of influence between climate variables and norovirus seasonal incidence: a systematic review and meta-analysis.** *medRxiv.* 2026:2026.02.26.26347190. Available from: <https://www.medrxiv.org/content/medrxiv/early/2026/03/02/2026.02.26.26347190.full.pdf>.
4. Zhang N, Chang B, Lin R, Lin X, Tang J, Xiao S. **Bidirectional transfer of influenza virus between hands and environmental surfaces under multifactorial conditions.** *Int J Hyg Environ Health.* 2026;273:114766. Available from: <https://www.sciencedirect.com/science/article/pii/S143846392600026X>.

### ANIMAL VECTORS

1. Malone CJ, Clark DA, Harms NJ, Jutha N, Gouin GG, Awan M, et al. **Collaborative strategies for wildlife health: case studies from the Canadian North.** *Journal of Wildlife Management.* 2026;90(1):e70120. Available from: <https://wildlife.onlinelibrary.wiley.com/doi/10.1002/jwmg.70120>.
2. O’Keeffe J. **Chronic wasting disease in wild game: What are the food security and safety concerns? [blog].** Vancouver, BC: National Collaborating Centre for Environmental Health; 2026 03 04 Mar. Available from: <https://ncceh.ca/resources/blog/chronic-wasting-disease-wild-game-what-are-food-security-and-safety-concerns>.

## INSECT VECTORS

1. Wafy G, Ahmad S, Wilson C, Coatsworth H, Savage J, Nelder M, et al. **Surveillance for Ixodes scapularis and Ixodes pacificus ticks and their associated pathogens in Canada, 2022**. CCDR. 2026;51(1/2). Available from: <https://www.canada.ca/en/public-health/services/reports-publications/canada-communicable-disease-report-ccdr/monthly-issue/2026-52/issue-1-2-january-february-2026/surveillance-ixodes-scapularis-ixodes-pacificus-ticks-associated-pathogens-canada-2022.html>.
2. Zając Z, Woźniak A, Kulisz J. **Urban Recreation Areas as Foci of Tick Hazard: Multi-Year Seasonal Patterns of Ixodes ricinus and Dermacentor reticulatus Activity and Host Spectrum of Their Juvenile Stages in Eastern Poland**. Biology (Basel). 2026 01 29;15(3). Available from: <https://pmc.ncbi.nlm.nih.gov/articles/PMC12896652/>.

## PESTS, OTHER

1. Lorcy A, Garnier A, Daley P, Dubé È. **A qualitative scan on the challenges of AMR in Canada and experts' proposed solutions**. Can J Microbiol. 2026;72:1-10. Available from: <https://cdnsiencepub.com/doi/abs/10.1139/cjm-2025-0143>.
2. Public Health Agency of Canada. **Pan-Canadian Action Plan on Antimicrobial Resistance: Year 2 Progress Report (June 2024 to May 2025)**. Ottawa, ON: Government of Canada; 2026 Feb. Available from: <https://www.canada.ca/en/public-health/services/publications/drugs-health-products/pan-canadian-action-plan-antimicrobial-resistance-year-2-progress-report-2024-2025.html>.
3. Elmieh N. **Environmental pathways of antimicrobial resistance: A One Health case study [evidence brief]**. Vancouver, BC: National Collaborating Centre for Environmental Health; 2026 03 04 Mar. Available from: <https://ncceh.ca/resources/evidence-briefs/environmental-pathways-antimicrobial-resistance-one-health-case-study-0>.

## 8. PUBLIC HEALTH FUNDAMENTALS

### COMMUNICATION

1. National Collaborating centre for Methods and Tools. **Synthesis Swap. A collection of knowledge syntheses submitted by the public health community**. Winnipeg, MB: NCCMT; 2026; Available from: <https://www.nccmt.ca/synthesis-swap/results/>.

### HEALTH PROMOTION

#### HEALTH IMPACT ASSESSMENT

1. British Columbia Ministry of Emergency Management and Climate Readiness. **Explore the B.C. Hazard Insights Tool**. Victoria, BC: Government of BC; 2026. Available from: <https://bchazardinsightstool-bcgov03.hub.arcgis.com/#tool>.
2. Dekens J, Mielke S, Dazé A. **Engaging Communities in Climate Vulnerability Assessment**. Winnipeg, MB: International Institute for Sustainable Development; 2026 [updated Feb 27]; Available from: <https://canadacommons.ca/artifacts/44990241/engaging-communities-in-climate-vulnerability-assessment/>.
3. Nightingale E, Lewis D, Reitmeier V, Thom O, Castleden H. **Indigenous Health Impact Assessment: Systematic Review of the Literature**. Prince George, BC: National Collaborating Centre for Indigenous Health; 2026 [updated Jan 28]; Available from: <https://canadacommons.ca/artifacts/42774622/systematic-review-of-the-literature/>.

#### HEALTH EQUITY

1. Andreacchi AT, Carnide N, Fuller A, Blair A, Siddiqi A, Shahidi FV. **Socioeconomic inequities in drug poisoning deaths in Canada**. Can J Public Health. 2026. Available from: <https://doi.org/10.17269/s41997-026-01166-1>.
2. Khudadad U, McGaughey T, Zheng A, Giles AR, Pike I. **Geospatial hotspots and neighbourhood deprivation associated with unintentional home injuries in British Columbia, Canada**. Sci Rep. 2026;16(1):6610. Available from: <https://doi.org/10.1038/s41598-026-37031-x>.
3. Pearson-Stuttard J, Richardson M, Griffin S, Lübker C, Duffield S. **Closing the gap: do we need a framework for embedding equity in health technology assessment?** Int J Technol Assess Health Care. 2026;42(1):e16. Available from: <https://www.cambridge.org/core/product/D4997C87BA5B6892A08A9AD1E63A1172>.
4. World Health Organization. **WHO releases updated Health Inequality Data Repository and Health Equity Assessment Toolkit**. Geneva, Switzerland: WHO; 2026 Mar 3. Available from: <https://www.who.int/news/item/03-03-2026-who-releases-updated-health-inequality-data-repository-and-health-equity-assessment-toolkit>.
5. World Health Organization. **Health Equity Assessment Toolkit (HEAT and HEAT Plus)**. Geneva, Switzerland: WHO; 2026 Mar 3. Available from: [https://www.who.int/data/inequality-monitor/assessment\\_toolkit](https://www.who.int/data/inequality-monitor/assessment_toolkit).
6. World Health Organization. **Health Inequality Data Repository**. Geneva, Switzerland: WHO; 2026 Mar 3. Available from: <https://www.who.int/data/inequality-monitor/data>.

#### ONE HEALTH, OTHER

1. Riley T, Meredith A, Anderson NE, Cumming B, Thandrayen J, Lovett R. **Future directions for Indigenous One Health: Presenting a conceptual Indigenous One Health model.** CABI One Health. 2026. Available from: <https://doi.org/10.1079/cabionehealth.2026.0002>.
2. Szoller D. **Canada: Climate Mitigation & Economic Development.** 2026 01 27 [Jan 27]; Available from: <https://www.climatescorecard.org/author/climatecanada1/>.

## 9. OTHER TOPICS

### CANNABIS PRODUCTS

1. Gold MS. Smoking Fentanyl, Cannabis, Methamphetamine, or Tobacco. **Not safe for homes and families because of second- and third-hand exposure risks.** Psychology Today. 2026. Available from: <https://www.psychologytoday.com/us/blog/addiction-outlook/202602/smoking-fentanyl-cannabis-methamphetamine-or-tobacco>.

### TOBACCO, NICOTINE PRODUCTS

1. ANSES. **Vaping: what are the health risks?** Frances: ANSES [French Agency for Food, Environmental and Occupational Health & Safety]; 2026 Feb. Available from: <https://www.anses.fr/en/content/vaping-what-are-health-risks#:~:text=In%20its%20expert%20appraisal%20on,even%20in%20nicotine%2Dfree%20products>.

### IONIZING, NON-IONIZING RADIATION

1. Laldinpuii, Sailo L, Weller S, Varte CL, Tochwawng L, Bandara P, et al. **Effects of exposure to nearby mobile phone base stations and mobile phone usage on human blood parameters.** Electromagn Biol Med. 2026;1-20. Available from: <https://doi.org/10.1080/15368378.2026.2623473>.

### PERSONAL SERVICES ESTABLISHMENTS, OTHER

#### Microplastics

1. Arfin T, Nakhate PA. **Airborne microplastics: environmental prevalence, human health risks, and mitigation strategies.** Anal Methods. 2026;18(6):1181-200. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/41636229>.
2. Azizi M, Khashi Z, Ashoori R, Rostami F, Azhdarpoor A. **Atmospheric microplastics: A review of pollution characteristics, human exposure pathways, and emerging health risks.** Regul Toxicol

- Pharmacol. 2026;167:106053. Available from:  
<https://www.ncbi.nlm.nih.gov/pubmed/41638465>.
3. Bristi SS, Islam R. **Microplastics in poultry: Sources, bioaccumulation and human health consequences**. Poult Sci. 2026;105(3):106387. Available from:  
<https://www.ncbi.nlm.nih.gov/pubmed/41534296>.
  4. Chen H, Shen X, Lin J, Huang Q, Zhao L, Zhu R, et al. **Microplastics in crustaceans imposing potential risk on human health: transferring, degradation, synergy, and metabolism**. Crit Rev Food Sci Nutr. 2026;66(6):1067-87. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/40739710>.
  5. Kim J, Chen M, White RS. **Microplastics and the Placenta: A Call to Action for Perinatal Research**. Am J Perinatol. 2026;43(3):433-6. Available from:  
<https://www.ncbi.nlm.nih.gov/pubmed/40675609>.
  6. Lin L, Li J, Zhu S, Zhang Z, Li Z, Xu P, et al. **Micro-nanoplastics and Parkinson's disease: evidence and perspectives**. npj Parkinson's Disease. 2026. Available from: <https://doi.org/10.1038/s41531-026-01272-4>.
  7. Rao W, Fan Y, Chen M, Qian X, Zhang L. **New insights into the microbial succession and health risks of atmospheric plastispheres**. Environ Res. 2026;296:124011. Available from:  
<https://www.sciencedirect.com/science/article/pii/S0013935126003397>.
  8. Zhang Y, Kumar P, Yuan J, Haleem N, Traub J, Gu Z, et al. **Airborne microplastics and their impact on human health: A critical review**. J Environ Sci. 2026;161:277-95. Available from:  
<https://www.ncbi.nlm.nih.gov/pubmed/41461474>.

#### Misc

1. International Agency for Research on Cancer. **European Code Against Cancer, 5<sup>th</sup> edition (ECAC5)**. Geneva, Switzerland: World Health Organization; 2026. Available from: <https://cancer-code-europe.iarc.who.int/>.
2. Office of Environmental Health Hazard Assessment (OEHHA). **Release of the Final Report on Synthetic Turf**. Sacramento, CA: California Environmental Protection Agency; 2026 Mar 5. Available from: <https://oehha.ca.gov/risk-assessment/report/release-final-report-synthetic-turf>.
3. Yang S, Ceferino L, Zhang Y, Gu C, Guo T, Kondo G. **When agents learn to think: Large language model-enhanced agent-based modeling for crowd evacuation in disaster scenarios**. Reliability Engineering & System Safety. 2026;269:112056. Available from:  
<https://www.sciencedirect.com/science/article/pii/S0951832025012554>.

## 10. SPECIFIC POPULATIONS

### CHILDREN

1. Christensen KY, Meeker JD, Lehmann GM. **Systematic review of human developmental health effects following exposure to polychlorinated biphenyl mixtures in early life**. Int J Hyg Environ

Health. 2026;273:114759. Available from:  
<https://www.sciencedirect.com/science/article/pii/S1438463926000192>.

#### INDIGENOUS PEOPLES

1. Bergeron O. **Climate Risks and Impacts on the Physical Health of Indigenous Peoples in Canada**. Montreal, QC: Institut national de santé publique du Québec (INSPQ); 2026. Available from: <https://www.inspq.qc.ca/en/publications/3678>.
2. Datta R, Starlight T, Mistaken DC. **Indigenous Elder perspectives on climate change challenges and solutions: learning reflection from Blackfoot First Nation perspectives, Canada**. *AlterNative: An International Journal of Indigenous Peoples*. 2024;20(3):549-59. Available from: <https://doi.org/10.1177/11771801241251869>.
3. Dubois C, Soprovich A, Wozniak LA, Crowshoe L, Bill L, Healy B, et al. **Influence of the COVID-19 pandemic on chronic disease management among Indigenous people in Canada**. *Front Public Health*. 2026;Volume 14 - 2026. Available from: <https://www.frontiersin.org/journals/public-health/articles/10.3389/fpubh.2026.1741996>.
4. Govorchin A, Leduc M, Atleo CG, Hoogeveen D, Borgos I, Patrick L. **The right to health: indigenous data sovereignty in Canada during and beyond the COVID-19 pandemic**. *The Lancet Regional Health - Americas*. 2026;54:101335. Available from: <https://www.sciencedirect.com/science/article/pii/S2667193X25003461>.
5. Iachetti P, Evins R. **Engineering research with Indigenous communities in Canada: a systematic review of housing, infrastructure, and sustainability**. *Canadian Journal of Civil Engineering*. 2026;53:1-23. Available from: <https://cdnsiencepub.com/doi/abs/10.1139/cjce-2025-0162>.
6. Indigenous Leadership Initiative. **A Path Forward for Indigenous Wildfire Operations and Resource Sharing**. Mashteuiatsh, QC: Indigenous Leadership Initiative; 2026 [updated Feb 17]; Available from: <https://www.ilinationhood.ca/blog/path-for-indigenous-wildfire-operations-resource-sharing>.
7. Indigenous Services Canada. **National All Hazards Emergency Management Plan**. Ottawa, ON: Government of Canada; 2026 Feb. Available from: <https://www.sac-isc.gc.ca/eng/1324572607784/1535123607689>.
8. Jacob C, Burns J, Larancuent CE, Deen JF, Rai S. **Air Pollution and Pulmonary Health in American Indian/Alaska Native Children: Describing and Addressing Inequitable Environmental Exposures**. *Pediatr Pulmonol*. 2026;61(2):e71489. Available from: <https://onlinelibrary.wiley.com/doi/abs/10.1002/ppul.71489>.
9. Levkoe CZ, McGibbon K, Strutt C. **Understanding Our Food Systems: Building Indigenous food sovereignty in Northwestern Ontario**. *Can J Public Health*. 2026. Available from: <https://doi.org/10.17269/s41997-026-01150-9>.
10. Nightingale E, Lewis D, Reitmeier V, Thom O, Castleden H. **Indigenous Health Impact Assessment: Systematic Review of the Literature**. Prince George, BC: National Collaborating Centre for Indigenous Health; 2026 [updated Jan 28]; Available from: <https://canadacommons.ca/artifacts/42774622/systematic-review-of-the-literature/>.

11. Riley T, Meredith A, Anderson NE, Cumming B, Thandrayen J, Lovett R. **Future directions for Indigenous One Health: Presenting a conceptual Indigenous One Health model.** CABI One Health. 2026. Available from: <https://doi.org/10.1079/cabionehealth.2026.0002>.
12. Slack C, Donnelly T, Wesche SD, Kenny TA. **Exploring Indigenous-informed contributions to decision-making to support improved food security in Canada: a scoping review.** Int J Circumpolar Health. 2025;84(1):2497594. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/40443214>.
13. Yunker Z. **In northeast B.C., fresh food is scarce. This First Nation hopes geothermal energy could change that.** The Narwhal. 2026 Mar 5. Available from: <https://thenarwhal.ca/west-moberly-geothermal-power-greenhouse/>.

#### OLDER ADULTS

1. He X, Heinen E. **How are objective and perceived walkability associated with the health of older adults through walking behavior?** Transportation Research Part A: Policy and Practice. 2026;207:104942. Available from: <https://www.sciencedirect.com/science/article/pii/S0965856426000832>.
2. Horstmann S, Baumgart S, Bolte G. **Older adults' active mobility choices and their specific preferences and needs for their living environment: an intersectional approach.** BMC Public Health. 2026. Available from: <https://doi.org/10.1186/s12889-026-26685-x>.
3. Leung HH, Lau R, Rosas J, Wen Y. **Aging in Aging Places, Renovate to Create.** In: Fong BYF, editor. The Handbook of Public Health in the Asia-Pacific. Singapore: Springer Nature Singapore; 2025. p. 1-24. Available from: [https://doi.org/10.1007/978-981-97-1788-0\\_23-1](https://doi.org/10.1007/978-981-97-1788-0_23-1).
4. Poudel GR, Sachdev PS, Soloveva MV, Molina MA, Schroers R-D, Li W, et al. **Neighborhood street connectivity and hippocampus volume in older adults.** Nature Cities. 2026. Available from: <https://doi.org/10.1038/s44284-026-00408-0>.
5. Zhou L, Jia Y, Yang S, He H, Guo L, Sun X. **Design for all: Land use and street design interventions to promote all-age active travel.** Travel Behaviour and Society. 2026;44:101271. Available from: <https://www.sciencedirect.com/science/article/pii/S2214367X26000402>.

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This document can be cited as: National Collaborating Centre for Environmental Health. Environmental health research scan. Vancouver, BC: NCCCH. 2026 March.

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