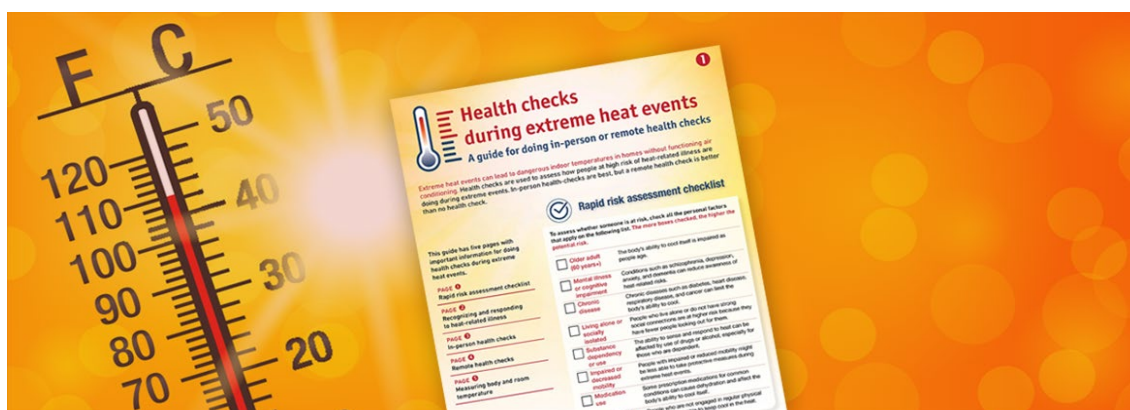


# ENVIRONMENTAL HEALTH RESEARCH SCAN

VOL 10 (6) JUNE 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>		

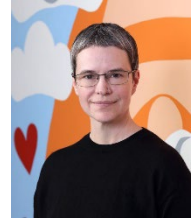
*Environmental Health (EH) Research Scan: Aims and Scope*

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

Five years after the 2021 heat dome: Building evidence to motivate action [webinar recording, June 11]

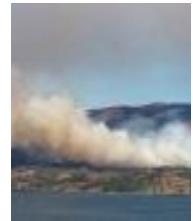
Sarah B Henderson, Scientific Director, Environmental Health Services, BCCDC and NCCEH



*“...As we approach the 5-year anniversary of the heat dome, this presentation will review all research and initiatives led by the BCCDC to understand who was most at risk of injury and death....” more*

Multiyear wildfire smoke exposure (MultiWiSE) metrics: a data-driven approach to characterizing episodic PM2.5 exposures for epidemiologic research [journal article].

*“Population exposure to wildfire smoke (WFS) has increased across North America. The health effects of short-term WFS exposure are widely documented, but little is known about longer-term exposures. Most epidemiologic studies use multiyear averages to characterize long-term air pollution exposure, but these do not reflect the episodic nature of WFS which may be associated with distinct health risks.”*



B97-09 Impact of aeroallergens and woodsmoke on differentiated airway epithelial cells [journal article].

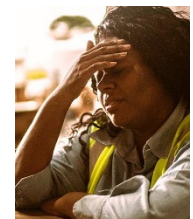
Ryan D Huff, Knowledge Translation Scientist, NCCEH



*“Our results reveal distinct yet complementary effects of allergens and wildfire smoke on epithelial inflammation and barrier function, both of which may contribute to the development or exacerbation of respiratory disease.”*

NCCEH Spotlight: Low-cost body cooling strategies to tackle overheating during strenuous activity in hot environments [blog].

Rebecca Goulding



*“In this systematic review, researchers from Australia and Canada evaluated practical and simple personal cooling strategies to address non-life-threatening hyperthermia...”*

May research scan [research scan].

National Collaborating Centre for Environmental Health



May e-news. Per- and polyfluoroalkyl substances (PFAS); more

National Collaborating Centre for Environmental Health



## ENVIRONMENTAL HEALTH RESEARCH SCAN

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1. Cleland SE, Hamilton OPX-Q, Brauer M, Henderson SB. **Multiyear wildfire smoke exposure (MultiWiSE) metrics: a data-driven approach to characterizing episodic PM2.5 exposures for epidemiologic research.** *J Expo Sci Environ Epidemiol.* 2026. Available from: <https://doi.org/10.1038/s41370-026-00876-5>.
2. Goulding R. **NCCEH Spotlight: Low-cost body cooling strategies to tackle overheating during strenuous activity in hot environments [blog].** Vancouver, BC: National Collaborating Centre for Environmental Health (NCCEH); 2026 Jun. Available from: <https://ncceh.ca/resources/blog/ncceh-spotlight-low-cost-body-cooling-strategies-tackle-overheating-during-strenuous>.
3. Henderson SB. **Five years after the 2021 heat dome: Building evidence to motivate action [webinar].** Vancouver, BC: National Collaborating Centre for Environmental Health; 2026 Jun 11, 12-1 PST. Available from: <https://ncceh.ca/events/upcoming-webinars/five-years-after-2021-heat-dome-building-evidence-motivate-action>.
4. Lim J, Lee CPS, Choudhary V, Kim S, Han J, Miscampbell A, et al. **B97-09 Impact of Aeroallergens and Woodsmoke on Differentiated Airway Epithelial Cells.** *Am J Respir Crit Care Med.* 2026;212(Supplement\_1). Available from: <https://doi.org/10.1093/ajrccm/aamag162.5270>.
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