

# ENVIRONMENTAL HEALTH RESEARCH SCAN

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

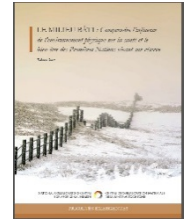
NCCEH's EH Research Scan aims to expand awareness of topics in environmental health, in line with NCCEH's vision to be the indispensable online resource for environmental health practitioners and policy-makers across Canada. "We focus on health risks associated with the physical environment and identify evidence-based interventions to mitigate those risks." This review is not official or 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. How to access the items? Click on the link related to each entry and it should take you to the item. Not all links are open access; some are abstract links where paid journal subscription is required.  
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## EDITOR PICKS

The built environment: Understanding how physical environments influence the health and well-being of First Nations peoples living on-reserve

Roberta Stout, National Collaborating Centre for Aboriginal Health, 2018

*“This paper summarizes what is known about how the built environment influences the health and well-being of First Nations reserve communities. Although the built environment is large in scope this paper focuses in five distinct areas including housing; water and wastewater management; food security; active living; and transportation.”*



Municipal guide to cannabis legalization a roadmap for Canadian local governments

Federation of Canadian Municipalities, 2018

*“This guide is designed to provide an overview of the work ahead for local governments and offer both policy and regulatory options to choose from.”*



Near-real-time surveillance of illnesses related to shellfish consumption in British Columbia: analysis of Poison Center data

Victoria Wan, Lorraine McIntyre, Debra Kent, Dara Leong, Sarah Henderson, 2018

*“The surveillance capacity is evident within poison control data as shown from the novel use of DPIC data for identifying illnesses related to shellfish consumption in BC. The further development of surveillance programs could improve and enhance response to public health emergencies related to acute illnesses, chronic diseases, and environmental exposures.”*



Community health data [online portal]

British Columbia Centre for Disease Control, 2018

*“The information found on the BC Community Health Data website can be used by regional health authorities, local governments, non-government organizations and other partner organizations in collaborative and evidence-informed community health planning and decision making.”*

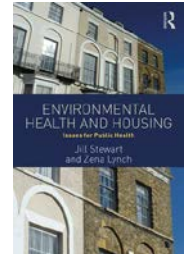


## EDITOR PICKS

### Environmental health and housing: issues for public health [book]

Jill Stewart and Zena Lynch, 2018

*“With a theory and practice approach to public health this 2<sup>nd</sup> edition focuses more on population health; health protection and improvement; and inter-agency approaches to effective intervention in housing and health through evidence based practice.”*



### HPS evidence assessment on the potential health impacts of tyre crumb used in artificial ground surfaces

Health Protection Scotland, 2017

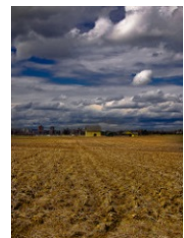
*“Health Protection Scotland has concluded that there is a clear consensus in the findings from evidence published to date, which does not support the hypothesis that exposure to tyre crumb used in artificial surfaces poses a significant risk to human health.”*



### Comparing urban and rural vulnerability to heat-related mortality: a systematic review and meta-analysis

Li et al., 2017

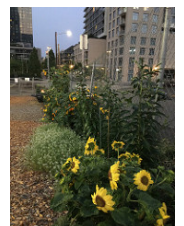
*“Our findings suggest that vulnerability to heat-related mortality in rural areas is likely to be similar to or even greater than urban areas.”*



### An adaptable Health Impact Assessment (HIA) framework for assessing health within Environmental Assessment (EA): Canadian context, international application

McCallum et al., 2018

*“By using an HIA Framework, a well-known yet underutilized tool can effectively address health issues within the EA process, both in a Canadian context and internationally.”*



### Preparing for the health impacts of climate change in Indigenous communities: The role of community-based adaptation.

Ford et al., 2018

*“We examine the application of Community Based Adaptation (CBA) approaches in Indigenous community settings.....”*



## ENVIRONMENTAL HEALTH RESEARCH SCAN

### SELECTED STAFF PUBLICATIONS (NCCEH or BCCDC)

1. Wan V, McIntyre L, Kent D, Leong D, Henderson SB. **Near-real-time surveillance of illnesses related to shellfish consumption in British Columbia: analysis of Poison Center data.** JMIR public health and surveillance [serial on the Internet]. 2018; 4(1): Available from: <https://doi.org/10.2196/publichealth.8944>.

#### NCCEH e-News (French and English)

1. Centre de collaboration nationale en santé environnementale. **e-Nouvelles du CCNSE: Surveillance des répercussions des changements climatiques sur la santé; Atelier sur la surveillance de la santé environnementale; Santé publique et surveillance des conditions de logement; plus...** Vancouver, BC: CCNSE; 2018 avril. Available from: <https://tinyurl.com/yanj9sdt>.
2. National Collaborating Center for Environmental Health. **NCCEH eNews: Monitoring health impacts of climate change; Environmental health surveillance workshop; Public health surveillance of housing conditions; more...** Vancouver, BC: NCCEH; 2018 Apr. Available from: <https://tinyurl.com/y8rgdodu>.
3. Centre de collaboration nationale des déterminants de la santé. **Leadership de la santé publique pour favoriser l'équité en santé : une revue de la littérature.** Antigonish, NS: Centre de collaboration nationale des déterminants de la santé; 2018. Available from: [http://nccdh.ca/fr/resources/entry/public-health-leadership-for-action-on-health-equity-a-literature-review?utm\\_source=FebE-News&utm\\_medium=email&utm\\_campaign=2018-Leadership1](http://nccdh.ca/fr/resources/entry/public-health-leadership-for-action-on-health-equity-a-literature-review?utm_source=FebE-News&utm_medium=email&utm_campaign=2018-Leadership1).
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4. Stout R. **The built environment: Understanding how physical environments influence the health and well-being of First Nations peoples living on-reserve.** Prince George, BC: National Collaborating Center for Aboriginal Health; 2018 Apr. Available from: [https://www.ccnsa-nccah.ca/495/The\\_built\\_environment\\_Understanding\\_how\\_physical\\_environments\\_influence\\_the\\_health\\_and\\_well-being\\_of\\_First\\_Nations\\_peoples\\_living\\_on-reserve\\_nccah?id=236](https://www.ccnsa-nccah.ca/495/The_built_environment_Understanding_how_physical_environments_influence_the_health_and_well-being_of_First_Nations_peoples_living_on-reserve_nccah?id=236).



5. Stout R. **Le milieu bâti : Comprendre l'influence de l'environnement physique sur la santé et le bien-être des Premières Nations vivant sur réserve.** Prince George, BC: Centre de collaboration nationale de la santé autochtone; 2018 avril. Available from: [https://www.ccsa-nccah.ca/525/Voir\\_publication.nccah?id=236](https://www.ccsa-nccah.ca/525/Voir_publication.nccah?id=236).

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### BUILT ENVIRONMENT

1. Hjort M, Martin W, Stewart T, Troelsen J. **Design of urban public spaces: Intent vs. Reality.** Int J Environ Res Public Health. 2018;15(4):816. Available from: <http://www.mdpi.com/1660-4601/15/4/816>.
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## CHEMICAL AGENTS – METALS, GENERAL

BPA, phthalates, other

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3. Vallette J, Stamm R, Lent T. **Eliminating toxics in carpet: Lessons for the future of recycling** Sacramento, CA: CalRecycle, Government of California; 2017 Oct. Available from: <http://www.calrecycle.ca.gov/Carpet/Status/Toxics/HBNReport.pdf>.
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## CHEMICAL AGENTS – SHALE GAS

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## CHILDREN'S ENVIRONMENTAL HEALTH

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## CLIMATE CHANGE

1. Banwell N, Rutherford S, Mackey B, Chu C. **Towards improved linkage of disaster risk reduction and climate change adaptation in health: A review.** *Int J Environ Res Public Health.* 2018;15(4):793. Available from: <http://www.mdpi.com/1660-4601/15/4/793>.
2. Berisha V, Hondula D, Roach M, White JR, McKinney B, Bentz D, et al. **Assessing adaptation strategies for extreme heat: A public health evaluation of cooling centers in Maricopa County, Arizona.** *Weather Climate and Society.* 2017;9(1):71-80. Available from: <https://journals.ametsoc.org/doi/abs/10.1175/WCAS-D-16-0033.1>.
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## ENVIRONMENTAL HEALTH SURVEILLANCE

1. British Columbia Centre for Diseases Control. **Community health data (General health by Province – Diabetes statistics from the BC Chronic Disease Registry) [online portal].** Vancouver, BC: BCCDC; [cited 2018 Apr 13]; Available from: <http://communityhealth.phsa.ca/GetTheData/SearchByTopic>.
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#### Safety

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### Security

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## GENERAL

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