

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.

EDITOR PICKS

From science to policy and practice: a critical assessment of knowledge management before, during, and after environmental public health disasters
Angela Eykelbosch (and co-authors), 2019

"Our findings suggest that preparation for and management of EPH disaster risks requires effective long-term collaboration between science, policy, and EPH practitioners at all levels to facilitate coordinated and timely deployment of multi-sectoral/jurisdictional resources when and where they are most needed."



Radon: Public health and cancer prevention – a new whiteboard video from the NCCEH [blog]
Anne-Marie Nicol, 2019

This video highlights several things that public health professionals can do to help address radon health risk: support more radon education and policies to reduce radon; host and promote testing; and engage with other professionals.



Equity 101 – Health equity videos for environmental public health professionals [blog]
Karen Rideout, 2019

This is the first of 3 NCCEH blog posts about the Health Equity video series. This blog describes videos 1-3, which introduce health equity and use examples to show how it relates to EPH practice.



Announcing the new NCCEH Healthy Built Environment Online Discussion Forum [blog]

Tina Chen, 2019

To enhance networking and foster linkages among HBE practitioners, policy-makers, and researchers, the NCCEH developed the [Healthy Built Environment in Canada Online Discussion Forum](#) in partnership with BC Centre for Disease Control's [Population and Public Health](#).



Healthy housing environments: Public health, cooperative and co-housing 101 [blog]
Amy Lubik, 2019

In order to take a deeper look at the potential health benefits of communal living, the BCCDC and NCCEH recently published a commentary entitled [Public Health should promote co-operative housing and co-housing....](#)





National Collaborating Centre
for Environmental Health

Centre de collaboration nationale
en santé environnementale

Indigenous food safety and security: community adaptations in the wake of climate pressures

Leela Steiner (right) and Casey Neathway, 2019

"This review presents evidence on six unique food safety issues..."



Implementing new regulation promotes health but may increase inequality

Reza Afshari (right) and David C Bellinger, 2019

The authors suggest the need to consider the impact on potential health inequalities as part of the deliberations on new toxicology regulations.



Current evidence on e-cigarettes: a summary of potential impacts

Public Health Ontario, Nov 2018

"This report addresses whether: the use of e-cigarettes is an effective cessation aid for smokers; the use of e-cigarettes in non-smoking youth and young people increases the likelihood of smoking initiation; and, there are health risks associated with the exposure to secondhand vapour from e-cigarettes."



Guide to infection prevention and control in personal service settings

Public Health Ontario, Nov 2018

"This document provides evidence-based scientific and technical advice that supports personal service settings."



Infection prevention in personal services settings: evidence, gaps and the way forward

Canadian Communicable Disease Report, Jan 2019

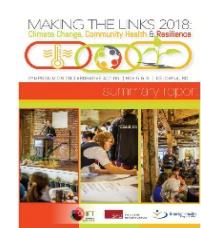
"This review involved a comprehensive examination of relevant literature and provides a summary of issues addressing the risk of infection in personal services settings."



Making the links 2018: Climate change, community health & resilience . . . Symposium on collaborative action Summary report

SHIFT, Simon Fraser University Faculty of Health Sciences, Interior Health, Nov 5-6, 2018

"Moving forward, how can we ensure that we can better understand, prepare for, and respond to the impacts of climate change on health and well-being? The Making the Links Symposium was an effort to explore this question and build capacity for collaborative action."



ENVIRONMENTAL HEALTH RESEARCH SCAN

SELECTED STAFF PUBLICATIONS (NCCEH or BCCDC)

1. Chen T. **Annonce du nouveau forum en ligne du CCNSE sur un environnement bâti sain [blogue].** Vancouver, BC: Centre de collaboration nationale en santé environnementale; 2019 fevrier 27. Available from: <http://www.ccnse.ca/content/annonce-du-nouveau-forum-en-ligne-du-ccnse-sur-un-environnement-b%C3%A2ti-sain>.
2. Chen T. **Announcing the new NCCEH Healthy Built Environment Online Discussion Forum (blog).** Vancouver, BC: National Collaborating Centre for Environmental Health; 2019 02 27. Available from: <http://www.ncceh.ca/content/announcing-new-ncceh-healthy-built-environment-online-discussion-forum>.
3. Généreux M, Lafontaine M, Eykelbosh A. **From Science to Policy and Practice: A Critical Assessment of Knowledge Management before, during, and after Environmental Public Health Disasters.** Int J Environ Res Public Health. 2019;16(4):587. Available from: <http://www.mdpi.com/1660-4601/16/4/587>.
4. Lubik A. **Logements sains : Santé publique, coopératives et cohabitation 101 [blogue].** Vancouver, BC: Centre de collaboration nationale en santé environnementale; 2019 fevrier 20. Available from: <http://www.ccnse.ca/content/logements-sains-sant%C3%A9-publique-coop%C3%A9ratives-et-cohabitation-101>.
5. Lubik A. **Healthy housing environments: Public health, cooperative and co-housing 101 (blog).** Vancouver, BC: National Collaborating Centre for Environmental Health; 2019 02 22. Available from: <http://www.ncceh.ca/content/healthy-housing-environments-public-health-cooperative-and-co-housing-101>.
6. Nicol A-M. **Radon: Public health and cancer prevention – a new whiteboard video from the NCCEH [blog].** Vancouver, BC: National Collaborating Centre for Environmental Health; 2019 Feb. Available from: <http://www.ncceh.ca/content/radon-public-health-and-cancer-prevention-%E2%80%93-new-whiteboard-video-ncceh>.
7. Nicol A-M. **Radon : santé publique et prévention du cancer – nouvelle vidéo sur tableau blanc du CCNSE [blogue].** Vancouver, BC: Centre de collaboration nationale en santé environnementale; 2019 fevrier. Available from: <http://tinyurl.com/y2tinywn>.
8. Rideout K. **Équité 101 – Vidéos sur l'équité en santé pour les professionnels de la santé publique environnementale [blogue].** Vancouver, BC: CCNSE; 2019 01 22. Available from: <http://www.ccnse.ca/content/%C3%A9quit%C3%A9-101-%E2%80%93-vid%C3%A9o-sur-l%E2%80%99%C3%A9quit%C3%A9-en-sant%C3%A9-pour-les-professionnels-de-la-sant%C3%A9-publique-environnementale-pour>.
9. Rideout K. **Équité 101 – Ce que peuvent faire les organismes de santé publique environnementale pour favoriser l'équité en santé [blogue].** Vancouver, BC: CCNSE; 2019 01 22. Available from: <http://www.ccnse.ca/content/%C3%A9quit%C3%A9-101-%E2%80%93-ce-que-peuvent-faire-les-organismes-de-sant%C3%A9-publique-environnementale-pour>.
10. Rideout K. **Équité 101 – Les professionnels de la santé publique environnementale ont les moyens de passer à l'action en matière d'équité [blogue].** Vancouver, BC: CCNSE; 2019 01 22. Available from: <http://www.ccnse.ca/content/%C3%A9quit%C3%A9-101-%E2%80%93-les-professionnels-de-la-sant%C3%A9-publique-environnementale-ont-les-moyens-de>.

11. Rideout K. **Equity 101 – Health equity videos for environmental public health professionals (blog).** Vancouver, BC: National Collaborating Centre for Environmental Health; 2019 01 22. Available from: <http://www.ncceh.ca/content/equity-101--health-equity-videos-environmental-public-health-professionals>.
12. Rideout K. **Equity 101 – Environmental public health organizations can support health equity (blog).** Vancouver, BC: National Collaborating Centre for Environmental Health; 2019 01 22. Available from: <http://www.ncceh.ca/content/equity-101--environmental-public-health-organizations-can-support-health-equity>.
13. Rideout K. **Equity 101 – Environmental public health professionals can take health equity action (blog).** Vancouver, BC: National Collaborating Centre for Environmental Health; 2019 01 22. Available from: <http://www.ncceh.ca/content/equity-101--environmental-public-health-professionals-can-take-health-equity-action>.
14. Steiner L, Neathway C. **Indigenous food safety and security: community adaptations in the wake of climate pressures.** Vancouver, BC: National Collaborating Centre for Environmental Health; 2019 Feb. Available from: <http://www.ncceh.ca/sites/default/files/Indigenous%20Food%20Safety%20and%20Security%20-%20Feb%202019%20-%20EN.pdf>.
15. Steiner L, Neathway C. **Sécurité sanitaire des aliments et sécurité alimentaire dans les communautés autochtones : mesure d'adaptation face aux pressions climatiques émergentes.** Vancouver, BC: Centre de collaboration nationale en santé environnementale; 2019 Feb. Available from: <http://www.ccnse.ca/sites/default/files/Indigenous%20Food%20Safety%20and%20Security%20-%20Feb%202019%20-%20FRN.pdf>.

NCCEH e-News (French and English)

1. Centre de collaboration nationale en santé environnementale. **e-Nouvelles du CCNSE: Webinaire : Nos meilleurs vœux pour les Fêtes; Points saillants de l'année; Vos commentaires nous permettent de nous améliorer; plus... Vancouver, BC: CCNSE; 2018 decembre.** Available from: <https://tinyurl.com/y3d3pc8y>.
2. Centre de collaboration nationale en santé environnementale. **e-Nouvelles du CCNSE: Webinaire : Favoriser l'équité en santé par un environnement bâti sain; Trousse d'outils pour ateliers sur l'équité en santé publique environnementale; Série de vidéos: Équité en santé publique environnementale; plus... Vancouver, BC: CCNSE; 2019 janvier.** Available from: <https://tinyurl.com/y3xouuwa>.
3. Centre de collaboration nationale en santé environnementale. **e-Nouvelles du CCNSE: Sécurité sanitaire des aliments et sécurité alimentaire dans les communautés autochtones : Mesure d'adaptation face aux pressions climatiques émergentes; Risques liés à la contamination microbiologique et réglementation Canadienne en matière d'aliments ethniques de spécialité; Webinaire : Sécurité sanitaire des aliments et sécurité alimentaire dans les communautés autochtones; plus... Vancouver, BC: CCNSE; 2019 février.** Available from: <http://tinyurl.com/y3ge4ejr>.
4. National Collaborating Center for Environmental Health. **NCCEH eNews: Season's greetings; Highlights from the past year; Your feedback makes us better; more... .** Vancouver, BC: NCCEH; 2018 Dec. Available from: <https://tinyurl.com/y4kyleen>.
5. National Collaborating Center for Environmental Health. **NCCEH eNews: Webinar: Supporting health equity through healthy built environments; Toolkit: Equity in EPH workshop toolkit; Video**

Series: Equity in environmental public health; more... . Vancouver, BC: NCCEH; 2019 Jan.
Available from: <https://tinyurl.com/y5uowavt>.

6. National Collaborating Center for Environmental Health. **NCCEH eNews: Webinar: Indigenous food safety and security: community adaptations in the wake of climate pressures; Factsheets: food safety for ethnic food preparation; Webinar: Indigenous food safety and security; more... .** Vancouver, BC: NCCEH; 2019 Feb. Available from: <http://tinyurl.com/yxs37rze>.

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4. Martin JM. **Aboriginal Wellbeing: A Culturally Safe, Trauma-Informed Framework for Health and Mental Health Services.** In: Martin JM, White J, Roberts S, Haussegger Z, Greenwood E, Grant K, et al., editors. *Mental Health Policy, Practice, and Service Accessibility in Contemporary Society Australia*: ICG Global; 2019. Available from: <http://www.irma-international.org/chapter/aboriginal-wellbeing/213562/>.
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AGRICULTURAL OPERATIONS

1. **What is agritecture? Agritecture is the art, science, and business of integrating agriculture into cities.** Agritecture.com; 2019 [Feb 10]; Available from: <https://www.agritecture.com/agritecture-definition/>.
2. **On rooftops and in tunnels, city farms lead food revolution.** Guardian. 2019 Feb 10. Available from: <https://www.theguardian.com/environment/2019/feb/10/urban-farming-feeding-cities-of-the-future>.

BIOLOGICAL AGENTS

BUILT ENVIRONMENT

1. de Groot R, van den Hurk K, Schoonmade LJ, de Kort W, Brug J, Lakerveld J. Urban-rural differences in the association between blood lipids and characteristics of the built environment: a systematic review and meta-analysis. *BMJ Glob Health.* 2019;4(1):e001017. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/30740247>.
2. Elsinga MG, Oostra M, Bluyssen PM. Making a home out of a temporary dwelling: a literature review and building transformation case studies AU - Overtoom, Marjolein Euwke. *Intelligent Buildings International.* 2019;11(1):46-62. Available from: <https://doi.org/10.1080/17508975.2018.1468992>.
3. Jennings V, Bamkole O. **The relationship between social cohesion and urban green space: an avenue for health promotion.** *Int J Environ Res Public Health.* 2019;16(3):452. Available from: <http://www.mdpi.com/1660-4601/16/3/452>.
4. Kestens Y, Winters M, Fuller D, Bell S, Berscheid J, Brondeel R, et al. **INTERACT: A comprehensive approach to assess urban form interventions through natural experiments.** *BMC Public Health.* 2019;19. Available from: <https://bmcpublichealth.biomedcentral.com/articles/10.1186/s12889-018-6339-z>.
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7. Sustrans. **Bike Life -Transforming cities: The potential of everyday cycling.** Bristol, UK: Sustrans; 2019 Jan. Available from: <https://www.sustrans.org.uk/bikelifetransformingcities>.

CHEMICAL AGENTS – METALS, GENERAL

General

1. Ginsberg GL, Balk SJ. **Consumer products as sources of chemical exposures to children: case study of triclosan.** 2016;28(2):235-42. Available from: https://journals.lww.com/co-pediatrics/Fulltext/2016/04000/Consumer_products_as_sources_of_chemical_exposures.18.aspx.
2. Hirsch J. **Arsenic and lead are in your fruit juice: What you need to know.** *Consum Rep.* 2019. Available from: <https://www.consumerreports.org/food-safety/arsenic-and-lead-are-in-your-fruit-juice-what-you-need-to-know/>.
3. Perkins AN, Inayat-Hussain SH, Deziel NC, Johnson CH, Ferguson SS, Garcia-Milian R, et al. **Evaluation of potential carcinogenicity of organic chemicals in synthetic turf crumb rubber.** *Environ Res.* 2019;169:163-72. Available from: <https://www.ncbi.nlm.nih.gov/m/pubmed/30458352/>.
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CHEMICAL AGENTS – PESTICIDES

1. Galvin K. **PestiSafe - First-of-its-kind mobile app developed by DEOHS provides pesticide safety information in Spanish.** Seattle, WA: University of Washington Department of Environmental &

Occupational Health Sciences 2019 Feb. Available from: https://deohs.washington.edu/hsm-blog/bilingual-app-keep-farmworkers-safe?mkt_tok=eyJpIjoiTRnNVIUWmxOV000TnpFMylsInQiOjQcFBKNW12K1JUdjFCczhBMGpNbHpNS1B5Rk9vZFR5ZEFCVmhnWU1sUU1Mb2Z4RittNndVV2RvTk9FS3JXSVppUndoeEk0MmxibjVZY2RIYmdJaktppeUhXeWZQd0d0QzE2NEVKUEYrSjY2MGIgeDRXcW5QTVNZY0pXWHM1Q2VVYm1SbIFJZm9SOTNyR0ZPUzc2TVJZMnc9PSJ9

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CHEMICAL AGENTS – SHALE GAS

CHILDREN’S ENVIRONMENTAL HEALTH

1. Agier L, Basagaña X, Maitre L, Granum B, Bird PK, Casas M, et al. Early-life exposome and lung function in children in Europe: an analysis of data from the longitudinal, population-based HELIX cohort. *The Lancet Planetary Health*. 2019. Available from: [https://doi.org/10.1016/S2542-5196\(19\)30010-5](https://doi.org/10.1016/S2542-5196(19)30010-5).
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CLIMATE CHANGE

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COMMUNICABLE AND INFECTIOUS DISEASES

DRINKING WATER

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