

# ENVIRONMENTAL HEALTH RESEARCH SCAN

VOL 2 (3) MARCH 2018



## CONTENTS

- [STAFF](#)
- [ABORIGINAL ENVIRONMENTAL HEALTH](#)
- [AGRICULTURAL OPERATIONS](#)
- [BIOLOGICAL AGENTS](#)
- [BUILT ENVIRONMENT](#)
- [CHEMICAL AGENTS – METALS, GENERAL](#)
- [CHEMICAL AGENTS – PESTICIDES](#)
- [CHEMICAL AGENTS – SHALE GAS](#)
- [CHILDREN'S ENVIRONMENTAL HEALTH](#)
- [CLIMATE CHANGE](#)
- [COMMUNICABLE AND INFECTIOUS DISEASES](#)
- [DRINKING WATER](#)
- [EMERGENCY PREPAREDNESS](#)
- [ENVIRONMENTAL HEALTH SURVEILLANCE](#)
- [ENVIRONMENTAL PLANNING](#)
- [FOOD](#)
- [GENERAL](#)
- [HEALTH EQUITY](#)
- [HEALTH IMPACT ASSESSMENT](#)
- [INDOOR AIR](#)
- [NUISANCE CONTROL](#)
- [OUTDOOR AIR](#)
- [PERSONAL SERVICE ESTABLISHMENTS](#)
- [PEST CONTROL](#)
- [PHYSICAL AGENTS](#)
- [RADIATION](#)
- [RECREATIONAL AND SURFACE WATER](#)
- [RISK ASSESSMENT, COMMUNICATION](#)
- [SENIORS' ENVIRONMENTAL HEALTH](#)
- [TOBACCO](#)
- [WASTE](#)
- [ZOOSES](#)

### *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

### Wildfires, emergency preparedness, and the importance of communication

National Environmental Health Association, Mar 2018

*“NEHA connected with and interviewed the following environmental health professionals at the EPA to learn more about their work with wildfires and emergency preparedness.”*

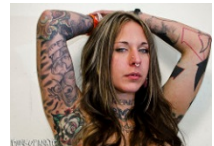


### NEHA body art model code - draft

National Environmental Health Association, Jan 2018

*Since 2016, the National Environmental Health Association has been facilitating the revision of the 1999 BAMC with a committee of body art and regulatory professionals. The code is now ready for public review.*

*[Image courtesy of Blink O'fanaye]*



### Evidence review of e-cigarettes and heated tobacco products 2018: executive summary

Public Health England, Jan 2018

*Implications of this review included the following: There is a need for continued research on the impact of regulations on smoking rates and patterns, use of e-cigarettes by adults and young people, product design and quality, and adverse effects of e-cigarettes.* *[Image courtesy of Vaping360]*



### Public health consequences of e-cigarettes

National Academies of Science and Engineering, Jan 2018

*“This report is a systematic review of the literature that evaluates the evidence about e-cigarettes and health, highlights gaps that are a priority for future research, and makes recommendations to improve the quality of this research.”*

*[Image courtesy of Vaping360]*



### Public health consequences of lead in drinking water

Levallois P, Barn P, Valcke M, Gauvin D, Kosatsky T, Mar 2018

*“The importance of drinking water as a contributor to total lead exposure depends on water lead levels and the amount consumed, as well as....”*

*[Image courtesy of Josh, Water Fountain 3]*



## ENVIRONMENTAL HEALTH RESEARCH SCAN

### SELECTED STAFF PUBLICATIONS (NCCEH or BCCDC)

1. Alexander KA, Freeman S, Angel DL. **Public attitudes and decision making in environmental resource planning — a perception gap.** *Environ Sci Pol.* 2018;80:38-43. Available from: <http://www.sciencedirect.com/science/article/pii/S1462901117306342>.
2. Eykelbosh A, Steiner L. **Growing at home: Health and safety concerns for personal cannabis cultivation.** Vancouver, BC: National Collaborating Centre for Environmental Health; 2018 Mar 20. Available from: [http://www.ncceh.ca/documents/evidence-review/growing-home-health-and-safety-concerns-personal-cannabis-cultivation?utm\\_source=Cyberimpact&utm\\_medium=email&utm\\_campaign=NCCEH-eNews---March-2018](http://www.ncceh.ca/documents/evidence-review/growing-home-health-and-safety-concerns-personal-cannabis-cultivation?utm_source=Cyberimpact&utm_medium=email&utm_campaign=NCCEH-eNews---March-2018).
3. Eykelbosh A, Steiner L. **Risques pour la santé et la sécurité associées à la culture personnelle de cannabis à domicile.** Vancouver, BC: Centre de collaboration nationale en santé environnementale; 2018 mars 20. Available from: <http://www.ccns.ca/documents/evidence-review/risques-pour-la-sant%C3%A9-et-la-s%C3%A9curit%C3%A9-associ%C3%A9es-%C3%A0-la-culture-personnelle-de>.
4. Levallois P, Barn P, Valcke M, Gauvin D, Kosatsky T. **Public health consequences of lead in drinking water.** *Curr Environ Health Rep.* 2018. Available from: <https://doi.org/10.1007/s40572-018-0193-0>.

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

1. Centre de collaboration nationale en santé environnementale. **e-Nouvelles du CCNSE: Risques pour la santé et la sécurité associées à la culture personnelle de cannabis à domicile; Ressources sur le cannabis pour les praticiens en santé environnementale; plus...** Vancouver, BC: CCNSE; 2018 mars. Available from: <https://tinyurl.com/yc7f2uh4>.
2. National Collaborating Center for Environmental Health. **NCCEH eNews: Growing at home: Health and safety concerns for personal cannabis cultivation; Cannabis resources for environmental health practitioners; more...** Vancouver, BC: NCCEH; 2018 Mar. Available from: <https://tinyurl.com/y8uxtq8z>.

### ABORIGINAL ENVIRONMENTAL HEALTH

1. Foote J, Hepi M, Rogers-Koroheke M, Taimona H. **Supporting Indigenous environmental health action: a vignette.** *Balancing Individualism and Collectivism*; Springer; 2018. p. 387-93. Available from: [https://link.springer.com/content/pdf/10.1007/978-3-319-58014-2\\_18.pdf](https://link.springer.com/content/pdf/10.1007/978-3-319-58014-2_18.pdf).
2. Gerlach A. **Exploring socially-responsive approaches to children's rehabilitation with Indigenous communities, families and children.** Prince George, BC: National Collaborating Center for Aboriginal Health; 2018 Mar. Available from: [https://www.cnsa-nccah.ca/495/Exploring\\_socially-responsive\\_approaches\\_to\\_children%E2%80%99s\\_rehabilitation\\_with\\_Indigenous\\_communities\\_families\\_and\\_children.nccah?id=235](https://www.cnsa-nccah.ca/495/Exploring_socially-responsive_approaches_to_children%E2%80%99s_rehabilitation_with_Indigenous_communities_families_and_children.nccah?id=235).
3. Gerlach A. **Examiner les approches socialement responsables pour la réadaptation des enfants chez les collectivités, les familles et les enfants autochtones.** Prince George, BC: Centre de collaboration nationale de la santé autochtone; 2018 mars. Available from: [https://www.cnsa-nccah.ca/525/Voir\\_publication.nccah?id=235](https://www.cnsa-nccah.ca/525/Voir_publication.nccah?id=235).
4. Martin-Hill D. **Co-creation of Indigenous water quality tools [presentation].** Saskatoon, SK: University of Saskatchewan; 2018. Available from: <https://gwf.usask.ca/documents/07-GWF%20General%20Meeting%20Slides%20DMH.pdf>.

## AGRICULTURAL OPERATIONS

1. Cotruvo J. **Agricultural water reuse and guidelines**. Water Technology; 2018 [Mar 8]; Available from: <https://www.watertechnology.com/agricultural-water-reuse-guidelines/>.
2. Douglas P, Robertson S, Gay R, Hansell AL, Gant TW. **A systematic review of the public health risks of bioaerosols from intensive farming**. Int J Hyg Environ Health. 2018;221(2):134-73. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/29133137>.

## BIOLOGICAL AGENTS

### BUILT ENVIRONMENT

1. Government of New Zealand. **NZS 8510:2017 Testing and decontamination of methamphetamine-contaminated properties**. Wellington, NZ: Government of New Zealand; 2017. Available from: <https://www.standards.govt.nz/sponsored-standards/testing-and-decontamination-of-methamphetamine-contaminated-properties/>.
2. Kaiser D. **Public health surveillance of housing conditions: Recent data from Montreal and thoughts on improving impacts on policy [webinar]**. Vancouver, BC: British Columbia Centre for Disease Control and the National Collaborating Centre for Environmental Health; 2018 Feb 23. Available from: <http://www.nccch.ca/content/public-health-surveillance-housing-conditions-recent-data-montreal-and-thoughts-improving>.
3. Kärmeniemi M, Lankila T, Ikäheimo T, Koivumaa-Honkanen H, Korpelainen R. **The built environment as a determinant of physical activity: A systematic review of longitudinal studies and natural experiments**. Ann Behav Med. 2018. Available from: <https://academic.oup.com/abm/article/52/3/239/4815762>.
4. Kondo M, Fluehr J, McKeon T, Branas C. **Urban green space and its impact on human health**. Int J Environ Res Public Health. 2018;15(3):445. Available from: <http://www.mdpi.com/1660-4601/15/3/445>.
5. MacMillan F, George ES, Feng X, Merom D, Bennie A, Cook A, et al. **Do natural experiments of changes in neighborhood built environment impact physical activity and diet? A systematic review**. Int J Environ Res Public Health. 2018;15(2). Available from: <https://www.ncbi.nlm.nih.gov/pubmed/29373567>.
6. Salami B, Yaskina M, Hegadoren K, Diaz E, Meherali S, Rammohan A, et al. **Migration and social determinants of mental health: Results from the Canadian Health Measures Survey**. Can J Public Health. 2017;108(4):e362-e7. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/29120306>.
7. Schram-Bijkerk D, Otte P, Dirven L, Breure AM. **Indicators to support healthy urban gardening in urban management**. Sci Total Environ. 2018;621:863-71. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/29216594>.
9. Smart Cities Council Australia New Zealand. **Smart cities guide for built environment consultants**. Australia: Smart Cities Council; 2018. Available from: <https://anz.smartcitiescouncil.com/resources/smart-cities-guide-built-environment-consultants>.
10. Winters M, Branion-Calles M, Therrien S, Fuller D, Gauvin L, Whitehurst DGT, et al. **Impacts of Bicycle Infrastructure in Mid-Sized Cities (IBIMS): protocol for a natural experiment study in three Canadian cities**. BMJ Open. 2018;8(1). Available from: <http://bmjopen.bmj.com/content/bmjopen/8/1/e019130.full.pdf>.

## CHEMICAL AGENTS – METALS, GENERAL

### General



1. Caron-Beaudoin E, Valter N, Chevrier J, Ayotte P, Frohlich K, Verner MA. **Gestational exposure to volatile organic compounds (VOCs) in Northeastern British Columbia, Canada: A pilot study.** *Environ Int.* 2018;110:131-8. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/29122312>.
2. East D, Gustafson K, Cabaj J, Navratil L. **An assessment of child care facility playground surfacing safety in Calgary, Alberta.** *Environ Health Rev.* 2018;61(1):19-1. Available from: <https://doi.org/10.5864/d2018-008>.
3. Janes C, Rodriguez L, Kelly C, White T, Beegan C. **A review of the potential risks associated with chemicals present in poured-in-place rubber surfacing.** *Environ Health Rev.* 2018;61(1):12-6. Available from: <https://doi.org/10.5864/d2018-001>.
4. Lanphear BP, Rauch S, Auinger P, Allen RW, Hornung RW. **Low-level lead exposure and mortality in US adults: a population-based cohort study.** *The Lancet Public Health.* 2018. Available from: [http://dx.doi.org/10.1016/S2468-2667\(18\)30025-2](http://dx.doi.org/10.1016/S2468-2667(18)30025-2).
5. Peterson MK, Lemay JC, Shubin SP, Prueitt RL. **Comprehensive multipathway risk assessment of chemicals associated with recycled (" crumb") rubber in synthetic turf fields.** *Environ Res.* 2018;160:256-68. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/29031215>.

#### BPA, PHTHALATES, VOCs, ETC.

1. Huang PC, Liao KW, Chang JW, Chan SH, Lee CC. **Characterization of phthalates exposure and risk for cosmetics and perfume sales clerks.** *Environ Pollut.* 2018;233:577-87. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/29102888>.
2. Huang R-p, Liu Z-h, Yin H, Dang Z, Wu P-x, Zhu N-w, et al. **Bisphenol A concentrations in human urine, human intakes across six continents, and annual trends of average intakes in adult and child populations worldwide: A thorough literature review.** *Sci Total Environ.* 2018;626:971-81. Available from: <https://www.sciencedirect.com/science/article/pii/S0048969718301694>.
3. National Toxicology Program. **Draft NTP research report on the Clarity-BPA core study.** 2018 Feb. Available from: [https://ntp.niehs.nih.gov/ntp/about\\_ntp/rrprp/2018/april/rr09peerdraft.pdf](https://ntp.niehs.nih.gov/ntp/about_ntp/rrprp/2018/april/rr09peerdraft.pdf).
4. Rochester JR, Bolden AL, Kwiatkowski CF. **Prenatal exposure to bisphenol A and hyperactivity in children: a systematic review and meta-analysis.** *Environ Int.* Available from: <https://www.sciencedirect.com/science/article/pii/S0160412017311960>.
5. Rochester JR, Bolden AL, Kwiatkowski CF. **Prenatal exposure to bisphenol A and hyperactivity in children: a systematic review and meta-analysis.** *Environ Int.* 2018. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/29525285>.
6. Rubinstein ML, Delucchi K, Benowitz NL, Ramo DE. **Adolescent exposure to toxic volatile organic chemicals from e-cigarettes.** *Pediatrics.* 2018. Available from: <http://pediatrics.aappublications.org/content/pediatrics/early/2018/03/01/peds.2017-3557.full.pdf>.

#### CHEMICAL AGENTS - PESTICIDES

1. Freeman S, Kaufman-Shriqui V, Berman T, Varsano R, Shahar DR, Manor O. **Children's diets, pesticide uptake, and implications for risk assessment: An Israeli case study.** *Food Chem Toxicol.* 2016;87:88-96. Available from: <http://www.sciencedirect.com/science/article/pii/S0278691515300958>.
2. Mesnage R, Antoniou MN. **Facts and fallacies in the debate on glyphosate toxicity.** *Frontiers in Public Health.* 2017;5(316). Available from: <https://www.frontiersin.org/article/10.3389/fpubh.2017.00316>.
3. Mesnage R, Antoniou MN. **Ignoring adjuvant toxicity falsifies the safety profile of commercial pesticides.** *Frontiers in Public Health.* 2018;5(361). Available from: <https://www.frontiersin.org/article/10.3389/fpubh.2017.00361>.
4. Zhang Q, Li Z, Chang CH, Lou JL, Zhao MR, Lu C. **Potential human exposures to neonicotinoid insecticides: A review.** *Environmental Pollution (Barking, Essex: 1987).* 2018;236:71-81. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/29414376>.

## CHEMICAL AGENTS – SHALE GAS

1. Physicians for Social Responsibility. **Compendium of scientific, medical, and media findings demonstrating risks and harms of fracking – fifth edition.** Washington, DC: Physicians for Social Responsibility; 2018. Available from: <http://www.psr.org/resources/fracking-compendium.html>.

## CHILDREN'S ENVIRONMENTAL HEALTH

1. Gillman MW, Blaisdell CJ. **Environmental influences on child health outcomes, a Research Program of the National Institutes of Health.** *Curr Opin Pediatr.* 2018;30(2):260-2. Available from: [https://journals.lww.com/co-pediatrics/Citation/2018/04000/Environmental\\_influences\\_on\\_Child\\_Health\\_Outcomes\\_17.aspx](https://journals.lww.com/co-pediatrics/Citation/2018/04000/Environmental_influences_on_Child_Health_Outcomes_17.aspx).

## CLIMATE CHANGE

1. Gao J, Kovats S, Vardoulakis S, Wilkinson P, Woodward A, Li J, et al. **Public health co-benefits of greenhouse gas emissions reduction: A systematic review.** *Sci Total Environ.* 2018;627:388-402. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/29426161>.
2. Macintyre H, Heaviside C, Taylor J, Picetti R, Symonds P, Cai X-M, et al. **Assessing urban population vulnerability and environmental risks across an urban area during heatwaves–Implications for health protection.** *Sci Total Environ.* 2018;610:678-90. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/28822935>.
3. Sheffield P, Uijtewaal S, Stewart J, Galvez M. **Climate change and schools: Environmental hazards and resiliency.** *Int J Environ Res Public Health.* 2017;14(11):1397. Available from: <http://www.mdpi.com/1660-4601/14/11/1397>.

## COMMUNICABLE AND INFECTIOUS DISEASES

1. Neufeld J. **A provincial antimicrobial stewardship program: successes and challenges in Alberta.** Winnipeg, MB: National Collaborating Centre for Infectious Diseases; 2017. Available from: <https://nccid.ca/publications/provincial-antimicrobial-stewardship-program-successes-challenges-alberta/>.
2. Neufeld J. **Un programme provincial de gérance des antimicrobiens : Succès et défis en Alberta.** Winnipeg, MB: Centre de collaboration nationale des maladies infectieuses; 2017. Available from: <https://ccnmi.ca/publications/programme-provincial-de-gerance-antimicrobiens-succes-defis-alberta/>.

## DRINKING WATER

1. Levallois P, Barn P, Valcke M, Gauvin D, Kosatsky T. **Public health consequences of lead in drinking water.** *Curr Environ Health Rep.* 2018. Available from: <https://doi.org/10.1007/s40572-018-0193-0>.
2. McLaren L, Petit R. **Universal and targeted policy to achieve health equity: a critical analysis of the example of community water fluoridation cessation in Calgary, Canada in 2011.** *Critical Public Health.* 2018;28(2):153-64. Available from: <https://www.tandfonline.com/doi/abs/10.1080/09581596.2017.1361015>.
2. Vilela CLS, Bassin JP, Peixoto RS. **Water contamination by endocrine disruptors: Impacts, microbiological aspects and trends for environmental protection.** *Environmental Pollution (Barking, Essex: 1987).* 2018;235:546-59. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/29329096>.

## EMERGENCY PREPAREDNESS

1. National Environmental Health Association. **Wildfires, emergency preparedness, and the importance of communication.** Denver, CO: NEHA; 2018 Mar. Available from: <http://neha.org/node/59651>.
2. Pfefferbaum B, Pfefferbaum RL, Van Horn RL. **Involving children in disaster risk reduction: The importance of participation.** European Journal of Psychotraumatology. 2018;9(Suppl 2). Available from: <https://www.ncbi.nlm.nih.gov/pubmed/29441155/>.
3. Radeloff VC, Helmers DP, Kramer HA, Mockrin MH, Alexandre PM, Bar-Massada A, et al. **Rapid growth of the US wildland-urban interface raises wildfire risk.** Proceedings of the National Academy of Sciences. 2018. Available from: <http://www.pnas.org/content/pnas/early/2018/03/06/1718850115.full.pdf>.
4. Ramsbottom A, O'Brien E, Ciotti L, Takacs J. **Enablers and barriers to community engagement in public health emergency preparedness: A literature review.** J Community Health. 2018;43(2):412-20. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/28840421>.

## ENVIRONMENTAL HEALTH SURVEILLANCE

1. Brook JR, Setton EM, Seed E, Shooshtari M, Doiron D. **The Canadian Urban Environmental Health Research Consortium—a protocol for building a national environmental exposure data platform for integrated analyses of urban form and health.** BMC Public Health. 2018;18(1):114. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/29310629>.

## ENVIRONMENTAL PLANNING

1. Liu L, Jensen MB. **Green infrastructure for sustainable urban water management: Practices of five forerunner cities.** Cities. 2018;74:126-33. Available from: <https://www.sciencedirect.com/science/article/pii/S0264275117301890>.
2. Schneider RJ. **"Complete Streets" policies and eliminating pedestrian fatalities.** Am J Public Health. 2018;108(4):431-3. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/29513584>.

## FOOD

### Safety

1. Alegbeleye OO, Singleton I, Sant'Ana AS. **Sources and contamination routes of microbial pathogens to fresh produce during field cultivation: A review.** Food Microbiology. 2018;73:177-208. Available from: <https://www.sciencedirect.com/science/article/pii/S0740002017310158>.
2. Dauvergne P. **The power of environmental norms: marine plastic pollution and the politics of microbeads.** Environmental Politics. 2018:1-19. Available from: <https://www.tandfonline.com/doi/abs/10.1080/09644016.2018.1449090>.
3. Dawson AL, Kawaguchi S, King CK, Townsend KA, King R, Huston WM, et al. **Turning microplastics into nanoplastics through digestive fragmentation by Antarctic krill.** Nature Communications. 2018;9(1):1001. Available from: <https://doi.org/10.1038/s41467-018-03465-9>.
4. Esri UK. **The plastic tide map.** UK: Esri UK; Available from: <https://www.arcgis.com/apps/Style/index.html?appid=aabe6a80b30a40faad519958c75fab1>.

5. Maia RL, Teixeira P, Mateus TL. **Risk communication strategies (on listeriosis) for high-risk groups.** Trends in Food Science & Technology. 2018. Available from: <https://www.sciencedirect.com/science/article/pii/S0924224417303710>.
6. Oldroyd R, Birkin M, Morris M. **Identifying online methods for monitoring foodborne illness: a scoping review of existing public health surveillance techniques.** JMIR Public Health and Surveillance. 2018. Available from: <http://eprints.whiterose.ac.uk/127108/>.
7. Roblin L, Truscott R, Boddy MR. **The development of a provincial food and nutrition strategy through cross-sector collaboration.** Can J Diet Pract Res. 2018;79(1):28-34. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/29388446>.
8. Thaivalappil A, Waddell L, Greig J, Meldrum R, Young I. **A systematic review and thematic synthesis of qualitative research studies on factors affecting safe food handling at retail and food service.** Food Control. 2018;89:97-107. Available from: <https://www.sciencedirect.com/science/article/pii/S0956713518300409>.
9. Tyree C, Morrison D. **Invisibles. The plastics inside us.** Washington, DC: Orb Media; 2018. Available from: [https://orbmedia.org/stories/Invisibles\\_plastics](https://orbmedia.org/stories/Invisibles_plastics).

### Security

1. Cutumisu N, Traore I, Paquette MC, Cazale L, Camirand H, Lalonde B, et al. **Association between junk food consumption and fast-food outlet access near school among Quebec secondary-school children: findings from the Quebec Health Survey of High School Students (QSHSS) 2010-11.** Public Health Nutr. 2017;20(5):927-37. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/27881202>.
2. McIsaac KE, Stock DC, Lou W. **Household food security and breast-feeding duration among Canadian Inuit.** Public Health Nutr. 2017;20(1):64-71. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/27465413>.

### Organic

1. Apaolaza V, Hartmann P, D'Souza C, López CM. **Eat organic–Feel good? The relationship between organic food consumption, health concern and subjective wellbeing.** Food Quality and Preference. 2018;63:51-62. Available from: <https://www.sciencedirect.com/science/article/pii/S0950329317301702>.
2. Lacour C, Seconda L, Allès B, Hercberg S, Langevin B, Pointereau P, et al. **Environmental impacts of plant-based diets: How does organic food consumption contribute to environmental sustainability?** Frontiers in nutrition. 2018;5:8. Available from: <https://www.frontiersin.org/articles/10.3389/fnut.2018.00008/full>.

### GENERAL

1. Fok N. **Relevant research article summaries.** Environ Health Rev. 2018;61(1):20-1. Available from: <https://doi.org/10.5864/d2018-006>.
2. Gray K. **From content knowledge to community change: A review of representations of environmental health literacy.** Int J Environ Res Public Health. 2018;15(3):466. Available from: <http://www.mdpi.com/1660-4601/15/3/466>.
3. Tuomisto HL, Scheelbeek PFD, Chalabi Z, Green R, Smith RD, Haines A, et al. **Effects of environmental change on population nutrition and health: A comprehensive framework with a focus on fruits and vegetables.** Wellcome Open Res. 2017;2:21. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/29511740>.



## HEALTH EQUITY

1. 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).
2. McPherson C, Ndumbe-Eyoh S, Betker C, Oickle D, Peroff-Johnston N. **Swimming against the tide: A Canadian qualitative study examining the implementation of a province-wide public health initiative to address health equity.** Int J Equity Health. 2016;15(1):129. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/27539080>.
3. National Collaborating Centre for Determinants of Health, Betker R. **Public health leadership for action on health equity: a literature review.** Antigonish, NS: National Collaborating Centre for Determinants of Health; 2018. Available from: <http://nccdh.ca/resources/entry/public-health-leadership-for-action-on-health-equity-a-literature-review>.
4. Perera F. **Pollution from fossil-fuel combustion is the leading environmental threat to global pediatric health and equity: Solutions exist.** Int J Environ Res Public Health. 2018;15(1):16. Available from: <http://www.mdpi.com/1660-4601/15/1/16>.

## HEALTH IMPACT ASSESSMENT

### INDOOR AIR

1. Patino EDL, Siegel JA. **Indoor environmental quality in social housing: A literature review.** Build Environ. 2018. Available from: <https://www.sciencedirect.com/science/article/pii/S0360132318300192>.

### NUISANCE CONTROL

### OUTDOOR AIR

1. An R, Zhang S, Ji M, Guan C. **Impact of ambient air pollution on physical activity among adults: a systematic review and meta-analysis.** Perspect Public Health. 2018;138(2):111-21. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/28829249>.
2. Yao J, Raffuse SM, Brauer M, Williamson GJ, Bowman DMJS, Johnston FH, et al. **Predicting the minimum height of forest fire smoke within the atmosphere using machine learning and data from the CALIPSO satellite.** Remote Sensing Environ. 2018;206:98-106. Available from: <http://www.sciencedirect.com/science/article/pii/S003442571730603X>.

### PERSONAL SERVICE ESTABLISHMENTS

1. National Environmental Health Association. **NEHA body art model code – draft.** Denver, CO: NEHA; 2018 Mar. Available from: <http://neha.civicomment.org/body-art-model-code-bamc>.

## PEST CONTROL

1. Stephens M, Hazard K, Moser D, Cox D, Rose R, Alkon A. **An integrated pest management intervention improves knowledge, pest control, and practices in family child care homes.** Int J Environ Res Public Health. 2017;14(11):1299. Available from: <http://www.mdpi.com/1660-4601/14/11/1299>.

## PHYSICAL AGENTS

1. Basner M, McGuire S. **WHO environmental noise guidelines for the European region: A systematic review on environmental noise and effects on sleep.** Int J Environ Res Public Health. 2018;15(3):519. Available from: <http://www.mdpi.com/1660-4601/15/3/519>.
2. Pohl J, Gabriel J, Hübner G. **Understanding stress effects of wind turbine noise—The integrated approach.** Energy Policy. 2018;112:119-28. Available from: <https://www.sciencedirect.com/science/article/pii/S0301421517306304>.

## RADIATION

1. Reichrath J, Lindqvist PG, De Grujil FR, Pilz S, Kimball SM, Grant WB, et al. **A critical appraisal of the recent reports on sunbeds from the European Commission's Scientific Committee On Health, Environmental And Emerging Risks And from the World Health Organization.** Anticancer Res. 2018;38(2):1111-20. Available from: <http://ar.iiarjournals.org/content/38/2/1111.abstract>.
2. Sagar S, Dongus S, Schoeni A, Roser K, Eeftens M, Struchen B, et al. **Radiofrequency electromagnetic field exposure in everyday microenvironments in Europe: A systematic literature review.** J Expo Sci Environ Epidemiol. 2018;28(2):147-60. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/28766560>.

## RECREATIONAL AND SURFACE WATER

1. Andrade L, O'Dwyer J, O'Neill E, Hynds P. **Surface water flooding, groundwater contamination, and enteric disease in developed countries: A scoping review of connections and consequences.** Environmental Pollution (Barking, Essex: 1987). 2018;236:540-9. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/29428708>.
2. Papadakis A, Chochlakis D, Sandalakis V, Keramarou M, Tselentis Y, Psaroulaki A. **Legionella spp. Risk assessment in recreational and garden areas of hotels.** Int J Environ Res Public Health. 2018;15(4):598. Available from: <http://www.mdpi.com/1660-4601/15/4/598>.

## RISK ASSESSMENT, COMMUNICATION

## SENIORS' ENVIRONMENTAL HEALTH

## TOBACCO, CANNABIS

1. Arnaout A, Khashaba H, Dobbs T, Dewi F, Pope-Jones S, Sack A, et al. **The Southwest UK Burns Network (SWUK) experience of electronic cigarette explosions and review of literature.** *Burns* (03054179). 2017;43(4):e1-e6. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/28412133>.
2. Barraza LF, Weidenaar KE, Cook LT, Logue AR, Halpern MT. **Regulations and policies regarding e-cigarettes.** *Cancer* (0008543X). 2017;123(16):3007-14. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/28440949>.
3. Berg CJ, Henriksen L, Cavazos-Rehg P, Haardoefer R, Freisthler B. **The emerging marijuana retail environment: Key lessons learned from tobacco and alcohol retail research.** *Addict Behav.* 2018. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/29421347>.
4. Burki TK. **Public Health England publishes e-cigarette review.** *Lancet Oncol.* 2018. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/29456090>.
5. Capler R, Bilsker D, van Pelt K, MacPherson D. **Cannabis use and driving: Evidence review.** Canadian Drug Policy Coalition; 2017 Mar. Available from: <https://drugpolicy.ca/wp-content/uploads/2017/02/CDPC-Cannabis-and-Driving-Evidence-Review-FINALV2-March27-2017.pdf>.
6. Charlebois S, Somogyi S, Sterling B. **Cannabis-infused food and Canadian consumers' willingness to consider "recreational" cannabis as a food ingredient.** *Trends in Food Science & Technology.* 2018;74:112-8. Available from: <http://www.sciencedirect.com/science/article/pii/S0924224417306209>.
7. Chen R, Aherrera A, Isichei C, Olmedo P, Jarmul S, Cohen JE, et al. **Assessment of indoor air quality at an electronic cigarette (Vaping) convention.** *J Expo Sci Environ Epidemiol.* 2017. Available from: <https://doi.org/10.1038/s41370-017-0005-x>.
8. Dunbar Z, Das A, O'Connor R, Goniewicz M, Wei B, Travers M. **Brief report: Lead levels in selected electronic cigarettes from Canada and the United States.** *Int J Environ Res Public Health.* 2018;15(1):154. Available from: <http://www.mdpi.com/1660-4601/15/1/154>.
9. Farsalinos KE, Gillman G. **Carbonyl emissions in e-cigarette aerosol: A systematic review and methodological considerations.** *Front Physiol.* 2017;8:1119. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/29375395>.
10. Glantz SA, Bareham DW. **E-cigarettes: Use, effects on smoking, risks, and policy implications.** *Annu Rev Public Health.* 2018;39(1):null. Available from: <http://www.annualreviews.org/doi/abs/10.1146/annurev-publhealth-040617-013757>.
11. Health Canada. **Proposed approach to the regulation of cannabis – summary of comments received during the public consultation. Background.** Ottawa, ON: Health Canada; 2018 Mar. Available from: <https://www.canada.ca/en/health-canada/news/2018/03/proposed-approach-to-the-regulation-of-cannabis-summary-of-comments-received-during-the-public-consultation.html>.
12. Hopkins C. **First Nations communities and cannabis [presentation].** 2017. Available from: <http://docs.firstnationsth.ca/VC10690/Handouts/Cannabis%20and%20First%20Nations%20Communities%20Alb%20erta.pdf>.
13. Hua-Hie Y, Hitchman SC, Cummings KM, Borland R, Gravely SML, McNeill A, et al. **Does the regulatory environment for e-cigarettes influence the effectiveness of e-cigarettes for smoking cessation? Longitudinal findings From the ITC Four Country Survey.** *Nicotine Tob Res.* 2017;19(11):1268-76. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/28340053>.
14. Jankowski M, Brožek G, Lawson J, Skoczyński S, Zejda JE, Brožek G, et al. **E-smoking: emerging public health problem?** *Int J Occup Med Environ Health.* 2017;30(3):329-44. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/28481369>.
15. Krishnan-Sarin S, Morean M, Kong G, Bold KW, Camenga DR, Cavallo DA, et al. **E-Cigarettes and "dripping" among high-school youth.** *Pediatrics.* 2017;139(3). Available from: <http://pediatrics.aappublications.org/content/early/2017/02/02/peds.2016-3224>.
16. Levy DT, Cummings KM, Villanti AC, Niaura R, Abrams DB, Fong GT, et al. **A framework for evaluating the public health impact of e-cigarettes and other vaporized nicotine products.** *Addiction.* 2017;112(1):8-17. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/27109256>.

17. Merry S, Bullen C. **E-cigarette use in New Zealand--a systematic review and narrative synthesis.** N Z Med J. 2018;131(1470):37-50. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/29470471>.
18. National Academies of Sciences Engineering and Medicine. **Public health consequences of e-cigarettes.** Washington, DC: National Academies of Sciences Engineering and Medicine; 2018 Jan. Available from: <http://www.nationalacademies.org/hmd/reports/2018/public-health-consequences-of-e-cigarettes.aspx>.
19. Peterson LA, Hecht SS. **Tobacco, e-cigarettes, and child health.** Curr Opin Pediatr. 2017;29(2):225-30. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/28059903>.
20. Public Health England. **Evidence review of e-cigarettes and heated tobacco products 2018: executive summary.** London, UK: Public Health England; 2018 Feb. Available from: <https://www.gov.uk/government/publications/e-cigarettes-and-heated-tobacco-products-evidence-review/evidence-review-of-e-cigarettes-and-heated-tobacco-products-2018-executive-summary>.
21. Ramaekers JG. **Driving under the influence of cannabis: An increasing public health concern.** JAMA. 2018. Available from: <http://dx.doi.org/10.1001/jama.2018.1334>.
22. Soneji S, Barrington-Trimis JL, Wills TA, Leventhal AM, Unger JB, Gibson LA, et al. **Association between initial use of e-cigarettes and subsequent cigarette smoking among adolescents and young adults: A systematic review and meta-analysis.** JAMA Pediatrics. 2017;171(8):788-97. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/28654986>.
23. Stratton K, Kwan LY, Eaton DL, Committee on the Review of the Health Effects of Electronic Nicotine Delivery Systems. **Public health consequences of e-cigarettes.** Washington, DC: National Academies of Sciences, Engineering, and Medicine; 2018. Available from: <https://www.nap.edu/catalog/24952/public-health-consequences-of-e-cigarettes>.
24. Villanti AC, Feirman SP, Niaura RS, Pearson JL, Glasser AM, Collins LK, et al. **How do we determine the impact of e-cigarettes on cigarette smoking cessation or reduction? Review and recommendations for answering the research question with scientific rigor.** Addiction. 2018;113(3):391-404. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/28975720>.
25. Zulkifli A, Abidin EZ, Abidin NZ, Amer Nordin AS, Praveena SM, Syed Ismail SN, et al. **Electronic cigarettes: a systematic review of available studies on health risk assessment.** Rev Environ Health. 2018;33(1):43-52. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/27101543>.

## WASTE

## ZOOZOSES

1. Braks MAH, van Wieren SE, Takken W, Sprong H, editors. **Ecology and prevention of Lyme borreliosis.** The Netherlands: Wageningen Academic Publishers; 2018. Available from: <http://www.wageningenacademic.com/doi/book/10.3920/978-90-8686-838-4>.
2. Eisen RJ, Eisen L. **The Blacklegged Tick, Ixodes scapularis: An increasing public health concern.** Trends Parasitol. 2018. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/29336985>.
3. Sonenshine DE. **Range expansion of tick disease vectors in North America: Implications for spread of tick-borne disease.** Int J Environ Res Public Health. 2018;15(3). Available from: <https://www.ncbi.nlm.nih.gov/pubmed/29522469>.

For more on environmental health information and evidence, visit [NCCHEH.ca](http://NCCHEH.ca)