

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

Reducing COVID-19 transmission through cleaning and disinfection of household surfaces [guidance]

National Collaborating Centre for Environmental Health



“This document provides information to public health professionals who may be consulted on the appropriate use of cleaning and disinfection products as well as frequency of cleaning and disinfecting in homes to protect the health of the public.”

Environmental Health Resources for the COVID-19 Pandemic [topic page]

National Collaborating Centre for Environmental Health



NCCEH has prepared a specially curated topic page on Covid-19. Visit <http://www.ncceh.ca/environmental-health-canada/ncceh-health-agency-project/desc>

An introduction to SARS-CoV-2 [evidence review]

National Collaborating Centre for Environmental Health



“This document provides an introduction to the basic virology and transmission of SARS-CoV-2 to inform the measures taken to mitigate the spread of the virus.”

When hand washing is not handy: Cautions for hand sanitizer use [blog]

National Collaborating Centre for Environmental Health



“...There are serious adverse outcomes that can occur from the production or use of homemade products.”

Managing Legionella risks in the COVID-19 pandemic [topic page]

National Collaborating Centre for Environmental Health



“The resources listed below provide current guidance on maintaining building water systems, and recommendations for re-occupancy when facilities begin to reopen.”

ENVIRONMENTAL HEALTH RESEARCH SCAN

AGRICULTURAL OPERATIONS

1. British Columbia Ministry of Health. **Protecting BC farmers and farm workers during the COVID-19 pandemic.** Victoria, BC: Government of British Columbia; 2020; Available from: <https://www2.gov.bc.ca/assets/gov/health/about-bc-s-health-care-system/office-of-the-provincial-health-officer/covid-19/covid-19-pho-guidance-farms-farm-workers.pdf>.

BUILT ENVIRONMENT

1. American Public Gardens Association. **COVID-19 : Resources for Gardens.** Kennett Square, PA: APGA; 2020. Available from: <https://www.publicgardens.org/covid-19>.
2. Barton D, Haase D, Mascarenhas A, Langemeyer J, Baro F, Kennedy C, et al. **Enabling Access to Greenspace During the Covid-19 Pandemic—Perspectives from Five Cities.** New York, NY: The Nature of Cities; 2020 May 4. Available from: <https://www.thenatureofcities.com/2020/05/04/enabling-access-to-greenspace-during-the-covid-19-pandemic-perspectives-from-five-cities/>.
3. British Columbia Housing. **COVID-19 Community Garden Guidelines.** Vancouver, BC: BC Housing; 2020 Apr. Available from: <https://www.bchousing.org/publications/Covid-19-Community-Garden-Guidelines.pdf>.
4. Coil D. **#COVID19 Journal Club: COVID-19: “The environmental implications of shedding SARS-CoV-2 in human faeces”.** 2020; Available from: <http://microbe.net/category/related-science/coronavirus/>.
5. Dietz L, Horve PF, Coil DA, Fretz M, Eisen JA, Wymelenberg KVD. Correction for Dietz et al., “2019 Novel Coronavirus (COVID-19) Pandemic: Built Environment Considerations To Reduce Transmission”. *mSystems*. 2020;5(3):e00375-20. Available from: <https://msystems.asm.org/content/msys/5/3/e00375-20.full.pdf>.
6. Favas C. **Guidance for the prevention of COVID-19 infections among high-risk individuals in urban settings.** London, UK: London School of Hygiene and Tropical Medicine; 2020 Apr 30. Available from: <https://www.lshtm.ac.uk/media/35726>.
7. Health Canada. **Mobilizing knowledge on active transport.** Ottawa, ON: Health Canada; 2014. Available from: <https://www.canada.ca/en/public-health/services/health-promotion/healthy-living/physical-activity/mobilizing-knowledge-on-active-transportation.html>.
8. Honey-Roses J, Anguelovski I, Bohigas J, Chireh V, Daher C, Konijnendijk C, et al. **The Impact of COVID-19 on Public Space: A Review of the Emerging Questions.** OSF Preprints. 2020.
9. Losavio J, Charles A. **Cities are especially vulnerable to COVID-19. These organizations are leading the urban response.** Geneva, Switzerland: World Economic Forum; 2020 May 5. Available from: <https://www.weforum.org/agenda/2020/05/cities-urbanization-urban-living-coronavirus-covid19-pandemic-design/>.
10. Madurai Elavarasan R, Pugazhendhi R. **Restructured society and environment: A review on potential technological strategies to control the COVID-19 pandemic.** *Sci Total Environ*. 2020:138858. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/32336562>.

11. Medical Officers of Health in the Greater Toronto-Hamilton Area. **Improving Health by Design in the Greater Toronto-Hamilton Area**. Peel Region: Greater Toronto-Hamilton Area; 2014 May. Available from: <https://www.peelregion.ca/health/resources/healthbydesign/pdf/moh-report.pdf>.
12. National Association of City Transportation Officials. **Rapid Response: Tools for Cities**. New York, NY: NACTO; 2020. Available from: <https://nacto.org/covid19-rapid-response-tools-for-cities/>.
13. Oppel L. **Concrete versus COVID-19: How the built environment can limit the spread of disease**. Vancouver, BC: BCMJ; 2020 May. Available from: <https://www.bcmj.org/cohp-covid-19/concrete-versus-covid-19-how-built-environment-can-limit-spread-disease>.
14. Sofo A, Sofo A. Converting Home Spaces Into Food Gardens At the Time of Covid-19 Quarantine: All the Benefits of Plants in This Difficult and Unprecedented Period. *Hum Ecol Interdiscip J*. 2020;1-9. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/32322132>.
15. Toronto Public Health. **COVID-19 Guidance for Community & Allotment Gardens [fact sheet]**. Toronto, ON: Toronto Public Health; 2020 May 1. Available from: <http://torontourbangrowers.org/img/upload/COVID-19-Gardens-Toronto-final.pdf>.
16. Waller A, Chakrabarti M. **Cities That Heal: How The Coronavirus Pandemic Could Change Urban Design**. Boston, MA: WBUR; 2020 [updated Apr 28]; Available from: <https://www.wbur.org/onpoint/2020/04/28/coronavirus-pandemic-change-evolution-of-cities-and-urban-design>.
17. World Health Organization. **Strengthening preparedness for COVID-19 in Cities and Urban Settings**. Geneva, Switzerland: WHO; 2020 Apr 28. Available from: <https://www.who.int/publications-detail/strengthening-preparedness-for-covid-19-in-cities-and-urban-settings>.

CHILDREN'S ENVIRONMENTAL HEALTH

Pregnancy, other

1. Campbell AM. **An increasing risk of family violence during the Covid-19 pandemic: Strengthening community collaborations to save lives**. *Forensic Science International: Reports*. 2020;2:100089. Available from: <http://www.sciencedirect.com/science/article/pii/S2665910720300384>.
2. Carsetti R, Quintarelli C, Quinti I, Piano Mortari E, Zumla A, Ippolito G, et al. **The immune system of children: the key to understanding SARS-CoV-2 susceptibility?** *The Lancet Child & Adolescent Health*. 2020. Available from: [https://doi.org/10.1016/S2352-4642\(20\)30135-8](https://doi.org/10.1016/S2352-4642(20)30135-8).
3. Favre GP, Léo; Qi, Xiaolong; Nielsen-Saines, Karin; Musso, Didier; Baud, David. **Guidelines for pregnant women with suspected SARS-CoV-2 infection**. *The Lancet Infectious Diseases*. 2020. Available from: [https://doi.org/10.1016/S1473-3099\(20\)30157-2](https://doi.org/10.1016/S1473-3099(20)30157-2).
4. Godoy M. **Mystery Inflammatory Syndrome In Kids And Teens Likely Linked To COVID-19**. *National Public Radio*; 2020 May 7. Available from: <https://www.npr.org/sections/health-shots/2020/05/07/851725443/mystery-inflammatory-syndrome-in-kids-and-teens-likely-linked-to-covid-19>.
5. Kass DA, Duggal P, Cingolani O. **Obesity could shift severe COVID-19 disease to younger ages**. *The Lancet*. 2020. Available from: [https://doi.org/10.1016/S0140-6736\(20\)31024-2](https://doi.org/10.1016/S0140-6736(20)31024-2).
6. Mullins E, Evans D, Viner RM, O'Brien P, Morris E. **Coronavirus in pregnancy and delivery: rapid review**. *Ultrasound in Obstetrics & Gynecology*. 2020;55(5):586-92. Available from: <https://obgyn.onlinelibrary.wiley.com/doi/abs/10.1002/uog.22014>.

7. Riphagen S, Gomez X, Gonzalez-Martinez C, Wilkinson N, Theocharis P. **Hyperinflammatory shock in children during COVID-19 pandemic.** The Lancet. 2020. Available from: [https://doi.org/10.1016/S0140-6736\(20\)31094-1](https://doi.org/10.1016/S0140-6736(20)31094-1).
8. Zimmermann PC, Nigel. Coronavirus Infections in Children Including COVID-19: An Overview of the Epidemiology, Clinical Features, Diagnosis, Treatment and Prevention Options in Children. *Pediatr Infect Dis J.* 2020;39(5):355-68. Available from: https://journals.lww.com/pidj/Fulltext/2020/05000/Coronavirus_Infections_in_Children_Including.1.aspx.

Schools

1. American Libraries. **How to Sanitize Collections in a Pandemic.** Chicago, IL: American Libraries; 2020; Available from: <https://americanlibrariesmagazine.org/blogs/the-scoop/how-to-sanitize-collections-covid-19/>.
2. Institute of Museum and Library Services. **COVID-19 Resources for Libraries and Museums.** Washington, D.C: Institute of Museum and Library Services; 2020. Available from: <https://www.ims.gov/coronavirus-covid-19-updates/covid-19-resources-libraries-and-museums>.
3. Northeast Document Conservation Center. **3.5 Disinfecting Books and Other Collections.** Andover, MA: NEDCC; 2020. Available from: <https://www.nedcc.org/free-resources/preservation-leaflets/3.-emergency-management/3.5-disinfecting-books>.
4. Russell A. **Tips for teaching your kids at home during COVID-19.** University of the Fraser Valley; 2020 [updated May 5]; Available from: <https://blogs.ufv.ca/blog/2020/05/tips-for-teaching-your-kids-at-home-during-covid-19/>.
5. StatCan. **COVID-19 Pandemic: School Closures and the Online Preparedness of Children.** Ottawa, ON: Statistics Canada; 2020 Apr 15. Available from: <https://www150.statcan.gc.ca/n1/pub/45-28-0001/2020001/article/00001-eng.htm>.

Mental Health (children-specific; for 'Genera' see separate category below on 'Mental Health' general)

1. United Nations. **Policy Brief: The Impact of COVID-19 on children** New York, NY: United Nations; 2020 Apr 15. Available from: https://unsdg.un.org/sites/default/files/2020-04/160420_Covid_Children_Policy_Brief.pdf.

CLIMATE CHANGE

1. Barker S, Dellios J, Mulholland E, Standen M. **What does COVID-19 mean for climate risk assessment and disclosure in FY20?** : Minter Ellison; 2020 May. Available from: <https://www.minterellison.com/-/media/Minter-Ellison/Files/Article-PDFs/MinterEllison-Climate-reporting-FY20.ashx>.
2. Jüni P, Rothenbühler M, Bobos P, Thorpe KE, da Costa BM, Fisman DN, et al. **Impact of climate and public health interventions on the COVID-19 pandemic: A prospective cohort study.** *Can Med Assoc J.* 2020. Available from: <https://www.cmaj.ca/sites/default/files/additional-assets/site/press/cmaj.200920.pdf>.
3. O'Reilly KM, Auzenbergs M, Jafari Y, Liu Y, Flasche S, Lowe R. **Effective transmission across the globe: the role of climate in COVID-19 mitigation strategies.** *The Lancet Planetary Health.* 2020. Available from: [https://doi.org/10.1016/S2542-5196\(20\)30106-6](https://doi.org/10.1016/S2542-5196(20)30106-6).

4. Sera FA, Ben; Tobias, Aurelio; Vicedo-Cabrera, Ana Maria; Åström, Christofer; Bell, Michelle L; Chen, Bing-Yu; de Sousa Zanotti Stagliorio Coelho, Micheline; Matus Correa, Patricia; Cruz, Julio Cesar; Dang, Tran Ngoc; Hurtado-Diaz, Magali; Do Van, Dung; Forsberg, Bertil; Guo, Yue Leon; Guo, Yuming; Hashizume, Masahiro; Honda, Yasushi; Iñiguez, Carmen; Jaakkola, Jouni J K; Kan, Haidong; Kim, Ho; Lavigne, Eric; Michelozzi, Paola; Ortega, Nicolas Valdes; Osorio, Samuel; Pascal, Mathilde; Ragetti, Martina S; Ryti, Niilo R I; Saldiva, Paulo Hilario Nascimento; Schwartz, Joel; Scortichini, Matteo; Seposo, Xerxes; Tong, Shilu; Zanobetti, Antonella; Gasparrini, Antonio. **How urban characteristics affect vulnerability to heat and cold: a multi-country analysis.** *Int J Epidemiol.* 2019;48(4):1101-12. Available from: <https://doi.org/10.1093/ije/dyz008>.
5. US Centers for Disease Control. **Coronavirus Disease 2019 (COVID-19). COVID-19 and Cooling Centers.** Atlanta, GA: US Department of Health and Human Services; 2020 Apr 19. Available from: <https://www.cdc.gov/coronavirus/2019-ncov/php/cooling-center.html>.

DRINKING WATER

1. Association of State Drinking Water Administrators. **COVID-19 and Drinking Water.** Arlington, VA: ASTDWA; 2020; Available from: <https://www.asdwa.org/covid19/>.
2. La Rosa G, Bonadonna L, Lucentini L, Kenmoe S, Suffredini E. **Coronavirus in water environments: Occurrence, persistence and concentration methods - A scoping review.** *Water Research.* 2020;179:115899. Available from: <http://www.sciencedirect.com/science/article/pii/S004313542030436X>.
3. Lee BY. **Can COVID-19 Coronavirus Live In Water? What About Drinking Water And Swimming.** *Forbes*; 2020 [May]; Available from: <https://www.forbes.com/sites/brucelee/2020/05/03/can-covid-19-coronavirus-live-in-water-what-about-drinking-water-and-swimming/#6af2b5214360>.
4. National Collaborating Centre for Environmental Health. **Managing Legionella risks in the COVID-19 pandemic [topic page].** Vancouver, BC: NCCEH; 2020 04 30 Apr 29. Available from: <https://ncceh.ca/environmental-health-in-canada/health-agency-projects/managing-legionella-risks-covid-19-pandemic>.
5. Public Health Ontario. Personal Protective Equipment (PPE) use during the COVID-19 Pandemic. Recommendations on the use and conservation of PPE from Ontario Health. Toronto, ON: Ontario Health; 2020 [updated May]; Available from: <https://www.publichealthontario.ca/-/media/documents/ncov/updated-ipac-measures-covid-19.pdf?la=en>.
6. Vancouver Coastal Health. **Messaging to Water System Operators.** Vancouver, BC: VCH; 2020 Mar 28. Available from: http://www.vch.ca/Documents/HealthProtection/Water%20Systems_Message.pdf.

EMERGENCY PREPAREDNESS

1. Alberta Health Services. **Coping with emergencies.** Edmonton, AB: Government of Alberta; 2020; Available from: <https://www.albertahealthservices.ca/eph/Page15235.aspx>.
2. Barnett DJ, Rosenblum AJ, Strauss-Riggs K, Kirsch TD. **Readying for a Post-COVID-19 World: The Case for Concurrent Pandemic Disaster Response and Recovery Efforts in Public Health.** *J Public Health Manag Pract.* 2020. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/32341285>.
3. British Columbia Centre for Disease Control, British Columbia Ministry of Municipal Affairs and Housing, British Columbia Ministry of Health. **COVID-19: Joint Provincial Program Framework for Emergency Response Centres.** Vancouver, BC: BCCDC; 2020 Apr 16. Available from:

<https://www2.gov.bc.ca/assets/gov/health/about-bc-s-health-care-system/office-of-the-provincial-health-officer/covid-19/covid-19-pho-guidance-joint-povincial-program-framework-for-ercs.pdf>.

4. Disaster Information Management Research Center. **DisasterLit. Database for Disaster Medicine and Public Health**. Bethesda, MD: US National Library of Medicine; 2020. Available from: <https://disasterinfo.nlm.nih.gov/disaster-lit>.
5. Ishiwatari M, Koike T, Hiroki K, Toda T, Katsube T. **Managing disasters amid COVID-19 pandemic: Approaches of response to flood disasters**. Progress in Disaster Science. 2020:100096. Available from: <http://www.sciencedirect.com/science/article/pii/S2590061720300338>.

ETHICS

1. America's Health Insurance Plans. **Ethics of resource allocation**. Washington, DC: AHIP; 2020. Available from: https://docs.google.com/document/d/1-kTxwaPCW-FsY_OSBf8eqyxUvUtTQRZySzcSa4L0_YA/edit.
2. National Collaborating Centre for Healthy Public Policy. **Public Health Ethics and COVID-19: Selected Resources**. Montreal, QC: University of Montreal; 2020 Apr 16. Available from: <https://www.publichealthontario.ca/-/media/documents/ncov/ncov-daily-lit.pdf?la=en>.

FOOD

Safety

1. Canada Infection Protection and Control. **Rats Vacating Cities Due to COVID-19 Restaurant Closures**. Winnipeg, MB: IPAC; 2020; Available from: <https://ipac-canada.org/coronavirus-resources.php>.
2. Canadian Institute of Food Safety. **What Could the Food Industry Look Like Post COVID-19?** Toronto, ON: CIFS; 2020 [Apr 8]; Available from: <https://www.foodsafety.ca/blog/what>.
3. Cornell University Institute for Food Safety. **Food Facility COVID-19 Strategy Checklist**. Geneva, NY: Cornell University; 2020 [Apr 28]; Available from: <https://instituteforfoodsafety.cornell.edu/coronavirus-covid-19/risk-management-strategy-checklist/>.
4. European Commission. **COVID-19 and food safety. Questions and Answers**. Brussels, Belgium: EC; 2020 Apr 8. Available from: https://ec.europa.eu/food/sites/food/files/safety/docs/biosafety_crisis_covid19_qandas_en.pdf.
5. Galanakis CM. **The Food Systems in the Era of the Coronavirus (COVID-19) Pandemic Crisis**. Foods. 2020;9(4). Available from: <https://www.ncbi.nlm.nih.gov/pubmed/32331259>.
6. National Environmental Health Association. **Just in Time: Farmers markets safe operations [video]**. Denver, CO: NEHA; 2020. Available from: <https://www.neha.org/just-in-time/just-in-time-farmers-market-safe-operations>.
7. Oakenfull RJ, Wilson AJ. Qualitative Risk Assessment: What is the risk of food or food contact materials being a source or transmission route of SARS-CoV-2 for UK consumers? London, UK: Food Standards Agency; 2020 Mar 26. Available from: [file:///C:/Users/mwiens/Downloads/web-version-qualitative-risk-assessment-risk-of-food-or-food-contact-materials-as-transmission-route-of-sars-cov-2-002%20\(1\).pdf](file:///C:/Users/mwiens/Downloads/web-version-qualitative-risk-assessment-risk-of-food-or-food-contact-materials-as-transmission-route-of-sars-cov-2-002%20(1).pdf).
8. Public Health England. **COVID-19: Guidance for food businesses on coronavirus (COVID-19)**. London, UK: PHE; 2020 Mar 25. Available from: <https://www.gov.uk/government/publications/covid-19-guidance-for-food-businesses>.

9. Restaurants Canada. **Restaurants Canada COVID-19 Reopening Best Practices**. Toronto, ON: Restaurants Canada; 2020 May. Available from: http://www.restaurantscanada.org/wp-content/uploads/2020/05/RC_COVID19_Reopening_BestPractices.pdf.
10. UK Food Standards Agency, Oakenfull RJ, Wilson AJ. Qualitative Risk Assessment: What is the risk of food or food contact materials being a source or transmission route of SARS-CoV-2 for UK consumers? London, UK: UK Government; 2020 Mar 26. Available from: <https://www.food.gov.uk/sites/default/files/media/document/web-version-qualitative-risk-assessment-risk-of-food-or-food-contact-materials-as-transmission-route-of-sars-cov-2-002.pdf>.
11. US Food and Drug Administration. **12 Tips for Grocery Shopping During the Pandemic [whiteboard video]**. White Oak, MD: US FDA; 2020 May 1. Available from: <https://www.youtube.com/watch?v=3TtHg5XgZzl&feature=youtu.be>.
12. Vancouver Coastal Health. **Recommendations for Minimizing COVID-19 Risk for Community-Based Food Programs**. Vancouver, BC: VCH; 2020 Apr 9. Available from: <http://www.vch.ca/Documents/COVID-19%20Information%20for%20Meal%20Programs.PDF>.
13. Washington State Department of Health. **COVID-19 Guidelines for Farmers Markets Providing Essential Services**. Government of Washington; 2020 Apr 21. Available from: https://www.netchd.org/fileadmin/user_upload/Disease%20Prevention%20%26%20Control/COVID-19FarmersMarketsGuide.pdf.
14. Wei G. **Food safety issues related to wildlife have not been taken seriously from SARS to COVID-19**. Environ Res. 2020;186:109605. Available from: <http://www.sciencedirect.com/science/article/pii/S0013935120304989>.

GENERAL

1. Alberta Health Services. **novel Coronavirus (COVID-19)**. Edmonton, AB: Government of Alberta; 2020. Available from: <https://www.albertahealthservices.ca/topics/Page16944.aspx>.
2. Alberta Health Services. **Environmental public health**. Edmonton, AB: Government of Alberta; 2020; Available from: <https://www.albertahealthservices.ca/eph/eph.aspx>.
3. ASTM Standards. **ASTM Standards & COVID-19**. West Conshohocken, PA: ASTM; 2020. Available from: <https://www.astm.org/COVID-19/>.
4. Australian Government Department of Health. **Coronavirus Disease 2019 (COVID-19). CDNA National guidelines for public health units**. Australia: Government of Australia; 2020 May 5. Available from: <https://www1.health.gov.au/internet/main/publishing.nsf/Content/cdna-song-novel-coronavirus.htm>.
5. CanCOVID. **About CanCOVID**. ON: CanCOVID; 2020; Available from: <https://cancovid.ca/#home>.
6. City of Vancouver Open Data Portal. **VanDashboard** [database on the Internet]. City of Vancouver. 2020. Available from: <https://opendata.vancouver.ca/pages/vandashboard/>.
7. Condor Security. **How Canadians can protect themselves against coronavirus COVID-19**. Toronto, ON: Condor Security; 2020 Apr. Available from: <https://www.condorsecurity.ca/how-canadians-can-protect-themselves-against-coronavirus-covid-19/>.
8. EPPI. **COVID-19: living map of the evidence**. London, UK: University College London, UCL Institute of Education; 2020. Available from: http://eppi.ioe.ac.uk/COVID19_MAP/covid_map_v8.html.
9. European Public Health Alliance. **COVID-19**. EPHA; 2020. Available from: <https://epha.org/covid-19/>.
10. Fraser Health. **COVID-19**. Vancouver, BC: British Columbia Provincial Health Services Authority; 2020. Available from: <https://www.fraserhealth.ca/health-topics-a-to-z/coronavirus#.XqQzm2hKg2w>.

11. Haleem AJ, Mohd; Vaishya, Raju; Deshmukh, S. G. **Areas of academic research with the impact of COVID-19.** Am J Emerg Med. 2020. Available from: <http://www.sciencedirect.com/science/article/pii/S0735675720302503>.
12. Health Canada. **Coronavirus (Covid-19) Guidance documents.** Vancouver, BC: BCCDC; 2020. Available from: <https://www.canada.ca/en/public-health/services/diseases/2019-novel-coronavirus-infection/guidance-documents.html>.
13. Human Resources Professionals Association. **COVID-19 Resources.** Toronto, ON: HRP; 2020. Available from: <https://www.hrpa.ca/Pages/COVID-19Resources.aspx>.
14. Institut national de santé publique. **Données COVID-19 au Québec.** Montreal, QC: INSPQ; 2020; Available from: <https://www.inspq.qc.ca/covid-19/donnees>.
15. Interior Health. **Latest COVID-19 news and information.** Kelowna, BC: British Columbia Provincial Health Services Authority; 2020. Available from: <https://news.interiorhealth.ca/covid-19/>.
16. McMaster University. **Our guide to COVID-19 evidence sources.** Hamilton, ON: McMaster University; 2020. Available from: <https://www.mcmasterforum.org/networks/covid-end/resources-to-support-decision-makers/our-guide-to-covid-19-evidence-sources>.
17. Medical Library Association. **COVID-19 Resources for Medical Librarians & Other Health Information Professionals.** Chicago, IL: American Library Association; 2020. Available from: <https://www.mlanet.org/p/cm/ld/fid=1712>.
18. National Association of County and City Health Officials. **Coronavirus Resources for Local Health.** Washington, DC: NACCHO; 2020; Available from: <https://covid19-naccho.hub.arcgis.com/>.
19. National Collaborating Centre for Environmental Health. **Environmental Health Resources for the COVID-19 Pandemic [topic page].** Vancouver, BC: NCCEH; 2020 04 20 Apr 20. Available from: <https://ncceh.ca/environmental-health-in-canada/health-agency-projects/environmental-health-resources-covid-19>.
20. National Collaborating Centre for Environmental Health. **Covid-19 Research scan (April 2 - April 20, 2020) [blog].** Vancouver, BC: National Collaborating Center for Environmental Health; 2020 04 23 Apr 23. Available from: <https://ncceh.ca/content/blog/covid-19-research-scan-april-2-april-20-2020>.
21. National Collaborating Centre for Environmental Health. **An introduction to SARS-CoV-2 [evidence review].** Vancouver, BC: NCCEH; 2020 04 24 Apr 17. Available from: <https://ncceh.ca/documents/evidence-review/introduction-sars-cov-2>.
22. National Collaborating Centre for Methods and Tools. **COVID-19 Rapid Evidence Reviews.** Hamilton, ON: McMaster University, NCCMT; 2020; Available from: <https://www.nccmt.ca/knowledge-repositories/covid-19-evidence-reviews>.
23. National Collaborating Centres for Public Health, Hardy S. **COVID-19 Topics.** Winnipeg, MB: NCCPH; 2020 Mar 11. Available from: <https://nccph.ca/news/entry/covid-19-topics>.
24. National Environmental Health Association. **Rapid Needs Assessment (convenience sample) of the Environmental Health workforce relative to COVID19** Denver, CO: NEHA; 2020 Mar 25. Available from: https://www.neha.org/sites/default/files/eh-topics/preparedness/NEHA_COVID-19_EH_Workforce_Rapid_Assessment_Report_FINAL.pdf.
25. National Institutes of Health. **Welcome to the COVID-19 Portfolio.** Bethesda, MD: NIH; 2020. Available from: <https://icite.od.nih.gov/covid19/search/>.
26. New Brunswick Government. **New Brunswick pandemic planning. Guide for municipal governments and First Nations communities** Saint John, NB: Government of New Brunswick; 2020 Mar. Available from: <https://umnb.ca/wp-content/uploads/2020/03/NEW-BRUNSWICK-PANDEMIC-PLANNING-GUIDE-FOR-MUNICIPAL-GOVERNMENTS-AND-FIRST-NATIONS-COMMUNITIES.pdf>.

27. Northern Health. **Coronavirus information (COVID-19)**. Prince George, BC: British Columbia Provincial Health Services Authority; 2020. Available from: <https://www.northernhealth.ca/health-topics/coronavirus-information-covid-19#trusted-information#northern-health>.
28. Public Health Agency of Canada. **Coronavirus disease 2019 (COVID-19) Daily epidemiology update**. Ottawa, ON: PHAC; 2020 May 5. Available from: <https://www.canada.ca/content/dam/phac-aspc/documents/services/diseases/2019-novel-coronavirus-infection/surv-covid19-epi-update-eng.pdf>.
29. Public Health Foundation. **Coronavirus Disease 2019 (COVID-19) Training**. Washington, DC: PHF; 2020. Available from: http://www.phf.org/resourcestools/Pages/Coronavirus_Disease_2019_COVID_19_Training.aspx.
30. Public Health Ontario. **COVID-19 Public resources**. Toronto, ON: PHO; 2020 Mar 11. Available from: <https://www.publichealthontario.ca/en/diseases-and-conditions/infectious-diseases/respiratory-diseases/novel-coronavirus/public-resources>.
31. Public Health Ontario. **Coronavirus Disease 2019 (COVID-19)**. Toronto, ON: PHO; 2020 May 1. Available from: <https://www.publichealthontario.ca/-/media/documents/ncov/ncov-daily-lit.pdf?la=en>.
32. Public Health Ontario. **COVID-19 Daily scan of selected public health organizations**. Toronto, ON: PHO; 2020. Available from: <https://www.publichealthontario.ca/-/media/documents/ncov/ncov-daily-lit.pdf?la=en>.
33. Publons. **COVID-19 related publications**. Web of Science; 2020. Available from: https://publons.com/publon/covid-19/?sort_by=date.
34. SmartCitiesWorld news team. **City of Vancouver launches Covid-19 dashboard**. London, UK: Smart Cities World; 2020; Available from: <https://www.smartcitiesworld.net/news/news/city-of-vancouver-launches-covid-19-dashboard-5212>.
35. UNICEF. **Key messages and actions for coronavirus disease (COVID-19) prevention and control in schools**. UNICEF; 2020 Mar. Available from: <https://www.unicef.org/reports/key-messages-and-actions-coronavirus-disease-covid-19-prevention-and-control-schools>.
36. University of British Columbia. **COVID-19 research funding opportunities**. Vancouver, BC: UBC; 2020. Available from: <https://mednet.med.ubc.ca/Research/Pages/COVID-19-Research-Funding.aspx>.
37. University of Nottingham. **Centre of Evidence-based dermatology (CEBD) Coronavirus Dermatology Resource**. Nottingham, UK: University of Nottingham; 2020. Available from: <https://www.nottingham.ac.uk/research/groups/cebd/resources/Coronavirus-resource/Coronavirushome.aspx>.
38. US AID. **Leadership during a pandemic: What your municipality can do** US Agency International Development; 2020. Available from: https://www.paho.org/disasters/index.php?option=com_docman&view=download&category_slug=tools&alias=518-what-your-municipality-complete-toolkit&Itemid=1179&lang=en.
39. US Centers for Disease Control. **COVID-19 (2019 Novel coronavirus) Research Guide**. Atlanta, GA: CDC; 2020. Available from: <https://www.cdc.gov/library/researchguides/2019NovelCoronavirus.html>.
40. US Centers for Disease Control. **Coronavirus (COVID-19)**. Atlanta, GA: CDC; 2020; Available from: <https://www.cdc.gov/coronavirus/2019-nCoV/index.html>.
41. US Centers for Disease Control. **Coronavirus Disease 2019 (COVID-19). Environmental health practitioners**. Atlanta, GA: US Department of Health and Human Services; 2020 Apr 30. Available from: <https://www.cdc.gov/coronavirus/2019-ncov/community/eh-practitioners.html>.
42. Vancouver Coastal Health. **Deferment of Health Permit Fees**. Vancouver, BC: VCH; 2020 Mar 31. Available from: <http://www.vch.ca/Documents/Deferring%20health%20permit%20fees.pdf>.

43. Vancouver Coastal Health. **Environmental health & inspections COVID-19 Resources**. Vancouver, BC: VCH; 2020; Available from: <http://www.vch.ca/public-health/environmental-health-inspections>.
44. Vancouver Coastal Health. **COVID-19. I have a question about COVID-19 Who do I call?** Vancouver, BC: VCH; 2020; Available from: <http://www.vch.ca/covid-19>.
45. Vancouver Island Health. **COVID-19**. Vancouver, BC: VIH; 2020; Available from: <https://www.islandhealth.ca/learn-about-health/covid-19>.
46. Washington State Department of Health. **2019-nCoV Literature Situation Report (Lit Rep)**. Government of Washington; 2020 May. Available from: https://www.doh.wa.gov/Portals/1/Documents/1600/coronavirus/LitRep_20200505.pdf.
47. Wong SYSKO, Kwok; Chan, Francis K.L. **What can countries learn from Hong Kong's response to the COVID-19 pandemic?** Can Med Assoc J. 2020:cmaj.200563. Available from: <https://www.cmaj.ca/content/cmaj/early/2020/04/24/cmaj.200563.full.pdf>.

GUIDANCE (for 'Occupational Guidance' – see separate topic heading)

Cleaning

1. British Columbia Centre for Disease Control. **Cleaning and disinfecting**. Vancouver, BC: BCCDC; 2020; Available from: <http://www.bccdc.ca/health-info/diseases-conditions/covid-19/prevention-risks/cleaning-and-disinfecting>.
2. Chang A, Schnall AH, Law R, Bronstein AC, Marraffa JM, Spiller HA, et al. Cleaning and Disinfectant Chemical Exposures and Temporal Associations with COVID-19 - National Poison Data System, United States, January 1, 2020-March 31, 2020. MMWR Morb Mortal Wkly Rep. 2020;69(16):496-8. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/32324720>.
3. Health Canada. **Guidance document - Safety and efficacy requirements for hard surface disinfectant drugs**. Ottawa, ON: Government of Canada; 2014 Jan. Available from: <https://www.canada.ca/en/health-canada/services/drugs-health-products/drug-products/applications-submissions/guidance-documents/disinfectants/safety-efficacy-requirements-hard-surface-disinfectant-drugs.html>.
4. Institut national de santé publique. **COVID-19: Surface cleaning. Questions and answers**. Montreal, QC: INSPQ; 2020. Available from: <https://www.inspq.qc.ca/en/covid-19/environment/surface-cleaning>.
5. Le Roux G, Sinno-Tellier S, Descatha A. **COVID-19: home poisoning throughout the containment period**. Lancet Public Health. 2020. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/32339480>.
6. Marchitelli R. **Canadians are accidentally poisoning themselves while cleaning to prevent COVID-19**. Ottawa, ON: CBC News; 2020 May 5. Available from: <https://www.cbc.ca/news/health/covid-19-accidental-poisoning-cleaning-products-1.5552779>.
7. National Collaborating Centre for Environmental Health. **Reducing COVID-19 transmission through cleaning and disinfection of household surfaces [guidance document]**. Vancouver, BC: National Collaborating Centre for Environmental Health; 2020 Mar. Available from: <https://ncceh.ca/documents/guide/reducing-covid-19-transmission-through-cleaning-and-disinfecting-household-surfaces>.
8. National Collaborating Centre for Environmental Health. **When hand washing is not handy: Cautions for hand sanitizer use [blog]**. Vancouver, BC: NCCEH; 2020 04 27 Apr 27. Available from: <https://ncceh.ca/content/blog/when-hand-washing-not-handy-cautions-hand-sanitizer-use>.
9. US Centers for Disease Control. **Coronavirus Disease 2019 (COVID-19). Reopening Guidance for Cleaning and Disinfecting Public Spaces, Workplaces, Businesses, Schools, and Homes**. Atlanta,

GA: US Department of Health and Human Services; 2020 Apr 28. Available from:
https://www.cdc.gov/coronavirus/2019-ncov/community/reopen-guidance.html?deliveryName=USCDC_248-DM22547.

10. US Food and Drug Administration. Guidance for Industry: Temporary Policy for Preparation of Certain Alcohol-Based Hand Sanitizer Products During the Public Health Emergency (COVID-19). White Oak, MD: US FDA; 2020 Mar. Available from: <https://www.fda.gov/regulatory-information/search-fda-guidance-documents/guidance-industry-temporary-policy-preparation-certain-alcohol-based-hand-sanitizer-products-during>.

Death

1. Fineschi V, Aprile A, Aquila I, Arcangeli M, Asmundo A, Bacci M, et al. Management of the corpse with suspect, probable or confirmed COVID-19 respiratory infection - Italian interim recommendations for personnel potentially exposed to material from corpses, including body fluids, in morgue structures and during autopsy practice. *Pathologica*. 2020. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/32324727>.
2. Food and Agriculture Organization of the United Nations, World Health Organization. **Infection Prevention and Control for the safe management of a dead body in the context of COVID-19**. Geneva, Switzerland: WHO; 2020 Apr 22. Available from: https://apps.who.int/iris/bitstream/handle/10665/331842/WHO-2019-nCoV-Food_Safety_authorities-2020.1-eng.pdf.
3. Health Canada. **Interim guidance: Death care services and handling of dead bodies during the coronavirus disease (COVID-19) pandemic**. Ottawa, ON: Health Canada; 2020 [updated 2020 Apr 25]; Available from: <https://www.canada.ca/en/public-health/services/diseases/2019-novel-coronavirus-infection/guidance-documents/death-care-services-handling-dead-bodies.html>.
4. Healthy Choice Arizona. **Coronavirus Disease 2019 (COVID-19). Funeral and Burial Services for Tribal Communities**. Phoenix, AZ: US Centers for Disease Control and Prevention, US Department of Health and Human Services; 2020. Available from: https://www.healthchoiceaz.com/wp-content/uploads/mdocs/COVID19_Funeral_and_Burial_Services%20For_Tribal_Communities.pdf.
5. Ontario Ministry of Health. **COVID-19 Guidance: Funeral and Bereavement Services**. Toronto, ON: Ministry of Health; 2020 Mar 29. Available from: http://www.health.gov.on.ca/en/pro/programs/publichealth/coronavirus/docs/funeral_bereavement_guidance.pdf.
6. Toronto Public Health. **COVID-19 Guidance for funeral homes [fact sheet]**. Toronto, ON: Toronto Public Health; 2020 May 5. Available from: <https://www.toronto.ca/wp-content/uploads/2020/05/8eb8-COVID-19-Fact-Sheet-Funeral-Homes.pdf>.
7. UK Department for Environment FRA. **Guidance - Coronavirus (COVID-19): Accessing food and essential supplies**. London, UK: UK Government; 2020 Apr 29. Available from: <https://www.gov.uk/guidance/coronavirus-covid-19-accessing-food-and-essential-supplies>.
8. UK Government. **COVID-19: guidance for managing a funeral during the coronavirus pandemic**. London, UK: UK Government; 2020 Apr 19. Available from: <https://www.gov.uk/government/publications/covid-19-guidance-for-managing-a-funeral-during-the-coronavirus-pandemic/covid-19-guidance-for-managing-a-funeral-during-the-coronavirus-pandemic>.

9. UK Government. **COVID-19: guidance for care of the deceased**. London, UK: UK Government; 2020 Apr 20. Available from: <https://www.gov.uk/government/publications/covid-19-guidance-for-care-of-the-deceased>.
10. US Centers for Disease Control. COVID-19 (2019 Novel coronavirus) Frequently Asked Questions: Funeral and Burial Services for American Indians and Alaska Natives. Atlanta, GA: CDC; 2020. Available from: <https://www.cdc.gov/coronavirus/2019-ncov/community/tribal/faq-burial-practice.html>.
11. World Health Organization. **Infection Prevention and Control for the safe management of a dead body in the context of COVID-19**. Geneva, Switzerland: WHO; 2020 Mar 24. Available from: https://apps.who.int/iris/bitstream/handle/10665/331538/WHO-COVID-19-IPC_DBMgmt-2020.1-eng.pdf.

Face Masks

1. Barr GD. A simple model to show the relative risk of viral aerosol infection from breathing and the benefit of wearing masks in different settings with implications for Covid-19. medRxiv. 2020:2020.04.28.20082990. Available from: <https://www.medrxiv.org/content/medrxiv/early/2020/05/07/2020.04.28.20082990.full.pdf>.
2. Beans C. **In plea for face masks, researchers visualize how speech sends fluid droplets flying**. PHAS Journal Club. 2020. Available from: <https://blog.pnas.org/2020/04/in-plea-for-face-masks-researchers-visualize-how-speech-sends-fluid-droplets-flying/>.
3. Cadnum JL, Li D, Redmond SN, John AR, Pearlmutter B, Donskey C. **Effectiveness of Ultraviolet-C Light and a High-Level Disinfection Cabinet for Decontamination of N95 Respirators**. Pathogens and Immunity. 2020;5(1):52-67. Available from: <https://paijournal.com/index.php/paijournal/article/view/372>.
4. Cheng VCCW, S. C.; Chuang, V. W. M.; So, S. Y. C.; Chen, J. H. K.; Sridhar, S.; To, K. K. W.; Chan, J. F. W.; Hung, I. F. N.; Ho, P. L.; Yuen, K. Y. **The role of community-wide wearing of face mask for control of coronavirus disease 2019 (COVID-19) epidemic due to SARS-CoV-2**. J Infect. 2020. Available from: <https://dx.doi.org/10.1016%2Fj.jinf.2020.04.024>.
5. Esposito S, Principi N, Leung CC, Migliori GB. **Universal use of face masks for success against COVID-19: evidence and implications for prevention policies**. Eur Respir J. 2020:2001260. Available from: <https://erj.ersjournals.com/content/erj/early/2020/04/27/13993003.01260-2020.full.pdf>.
6. Healthcare Coalition N95 Working Group. **Evaluation of Decontamination Techniques for the Reuse of N95 Respirators**. US Department of Health and Human Services, Public Health Emergency; 2020 Apr 3. Available from: <https://c19hcc.org/static/img/insights/Evaluation-of-Respirator-Decontamination-Techniques.pdf>.
7. Institut national de santé publique. **COVID-19: Interim Recommendations Concerning the Use of Expired N95 Masks**. Montreal, QC: INSPQ; 2020 Apr 15. Available from: <https://www.inspq.qc.ca/en/publications/2921-use-expired-n95-masks-covid19>.
8. Lenormand R, Lenormand G. **Effect of ethanol cleaning on the permeability of FFP2 mask**. medRxiv. 2020:2020.04.28.20083840. Available from: <https://www.medrxiv.org/content/medrxiv/early/2020/05/05/2020.04.28.20083840.full.pdf>.
9. Matava CT, Yu J, Denning S. **Clear plastic drapes may be effective at limiting aerosolization and droplet spray during extubation: implications for COVID-19**. Canadian Journal of Anesthesia/Journal canadien d'anesthésie. 2020. Available from: <https://doi.org/10.1007/s12630-020-01649-w>.

10. McNeill G. **Barriers for business: Safety glass installers busy in Cape Breton.** 2020 Mar 30. Available from: <https://www.thechronicleherald.ca/business/regional-business/barriers-for-business-safety-glass-installers-busy-in-cape-breton-431529/>.
11. Mungmungpantipantip R, Wiwanitkit V. **Ocular manifestation, eye protection, and COVID-19.** Graefe's archive for clinical and experimental ophthalmology = Albrecht von Graefes Archiv fur klinische und experimentelle Ophthalmologie. 2020:1-. Available from: <https://pubmed.ncbi.nlm.nih.gov/32232568>
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7104709/>.
12. Perencevich EN, Diekema DJ, Edmond MB. **Moving Personal Protective Equipment Into the Community: Face Shields and Containment of COVID-19.** JAMA. 2020. Available from: <https://doi.org/10.1001/jama.2020.7477>.
13. Perski O. **What is the effectiveness and unintended consequences of face masks to prevent community transmission of respiratory viruses?** Hamilton, ON: McMaster University, NCCMT; 2020; Available from: <https://www.nccmt.ca/knowledge-repositories/covid-19-evidence-reviews/18>.
14. Public Health Ontario. **Coronavirus Disease 2019 (COVID-19). Mask Use for Non-Healthcare Workers [fact sheet].** Toronto, ON: PHO; 2020 May 2. Available from: <https://www.publichealthontario.ca/-/media/documents/ncov/factsheet/2020/05/factsheet-covid-19-masks-not-healthcare.pdf?la=en>.
15. Science News. **Sewage poses potential COVID-19 transmission risk, experts warn.** University of Stirling; 2020 May 6. Available from: <https://www.sciencedaily.com/releases/2020/05/200506133603.htm>.
16. Tsai PB. **Barrier Shields: Not Just for Intubations in Today's COVID-19 World?** Anesth Analg. 2020; Publish Ahead of Print. Available from: https://journals.lww.com/anesthesia-analgesia/Fulltext/9000/Barrier_Shields_Not_Just_for_Intubations_in.95665.aspx.
17. US Centers for Disease Control. **Coronavirus Disease 2019 (COVID-19). Use of Cloth Face Coverings to Help Slow the Spread of COVID-19.** Atlanta, GA: US Department of Health and Human Services; 2020 Apr 13. Available from: <https://www.cdc.gov/coronavirus/2019-ncov/prevent-getting-sick/diy-cloth-face-coverings.html>.
18. US Food and Drug Administration. **Issuance: Manufacturers of Face Shields;** 2020. Available from: <https://www.fda.gov/media/136842/download>.
19. Vogel L. **Who should wear a face mask? Experts weigh in on Canada's COVID-19 response.** CMAJ. 2020;192(16):E440-e1. Available from: <https://www.cmaj.ca/content/192/16/E440>.
20. Wong DHT, Mak ST, Yip NKF, Li KKW. **Protective shields for ophthalmic equipment to minimise droplet transmission of COVID-19.** Graefes Arch Clin Exp Ophthalmol. 2020. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/32322964>.

Hand Hygiene

1. Goldust M, Abdelmaksoud A, Navarini A. **Hand disinfection in the combat against Covid-19.** J Eur Acad Dermatol Venereol. 2020(n/a). Available from: <https://onlinelibrary.wiley.com/doi/abs/10.1111/jdv.16574>.

Personal Protective Equipment - General

1. Alberta Health. Alberta personal protective equipment guideline for care of individuals with suspect or confirmed covid-19 in health care settings. Edmonton, AB: Government of Alberta; 2020. Available from: <https://www.alberta.ca/assets/documents/covid-19-healthcare-ppc-guidance.pdf>.
2. Canadian Centre for Occupational Health. **Designing an Effective PPE Program**. Ottawa, ON: Government of Canada, CCOH; 2020; Available from: <https://www.ccohs.ca/oshanswers/prevention/ppe/designin.html>.
3. Cavanagh G, Wambier C. **Reply to: Personal Protective Equipment Recommendations Based on COVID-19 Route of Transmission**. J Am Acad Dermatol. 2020. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/32344068>.
4. Crawford MA. **Coronavirus PPE: a positive pressure hood assembled from ubiquitous, low-cost materials**. medRxiv. 2020:2020.04.14.20064808. Available from: <https://www.medrxiv.org/content/medrxiv/early/2020/04/17/2020.04.14.20064808.full.pdf>.
5. Jefferson T, Jones M, Al Ansari LA, Bawazeer G, Beller E, Clark J, et al. Physical interventions to interrupt or reduce the spread of respiratory viruses. Part 1 - Face masks, eye protection and person distancing: systematic review and meta-analysis. medRxiv. 2020:2020.03.30.20047217. Available from: <https://www.medrxiv.org/content/medrxiv/early/2020/04/07/2020.03.30.20047217.full.pdf>.
6. Lee E, Loh W, Ang I, Tan Y. **Plastic Bags as Personal Protective Equipment During the COVID-19 Pandemic: Between the Devil and the Deep Blue Sea**. The Journal of Emergency Medicine. 2020. Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7151254/>.
7. Tsuchida T, Fujitani S, Yamasaki Y, Kunishima H, Matsuda T. **Development of a protective device for RT-PCR testing SARS-CoV-2 in COVID-19 patients**. Infect Control Hosp Epidemiol. 2020:1-2. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/32279701>.
8. University of California Merced. **Types of PPE**. Merced, CA: University of California; 2020; Available from: <https://ehs.ucmerced.edu/researchers-labs/ppe/selection>.
9. World Health Organization. **Rational use of personal protective equipment for coronavirus disease 2019 (COVID-19) Interim guidance**. Geneva, Switzerland: WHO; 2020. Available from: https://apps.who.int/iris/bitstream/handle/10665/331215/WHO-2019-nCov-IPCPE_use-2020.1-eng.pdf.

Quarantine, Isolation

1. Brooks SK, Webster RK, Smith LE, Woodland L, Wessely S, Greenberg N, et al. **The psychological impact of quarantine and how to reduce it: rapid review of the evidence**. The Lancet. 2020;395(10227):912-20. Available from: [https://doi.org/10.1016/S0140-6736\(20\)30460-8](https://doi.org/10.1016/S0140-6736(20)30460-8).
2. Nussbaumer-Streit B, Mayr V, Dobrescu AI, Chapman A, Persad E, Klerings I, et al. **Quarantine alone or in combination with other public health measures to control COVID-19: a rapid review**. Cochrane Database Syst Rev. 2020;4:Cd013574. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/32267544>.

Social Distancing

1. Du Z, Xu X, Wang L, Fox SJ, Cowling BJ, Galvani AP, et al. **Proactive social distancing mitigates COVID-19 outbreaks within a month across 58**. 2020. Available from: <https://www.medrxiv.org/content/10.1101/2020.04.22.20075762v1>.

2. Galanis S. **Social Proximity As a Tool to Fight Pandemics**. Available at SSRN 3581802. 2020. Available from: https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3581802.
3. Setti L, Passarini F, De Gennaro G, Barbieri P, Perrone MG, Borelli M, et al. **Airborne Transmission Route of COVID-19: Why 2 Meters/6 Feet of Inter-Personal Distance Could Not Be Enough**. Int J Environ Res Public Health. 2020;17(8). Available from: <https://www.ncbi.nlm.nih.gov/pubmed/32340347>.

Border Control

1. Nova Scotia Government. **Self-isolation requirements for people crossing the border**. Halifax, NS: Government of Nova Scotia; 2020 Apr 25. Available from: <https://covid19-employer-assessment.novascotia.ca/en/Assessment/CrossingNSBorder>.

HEALTH EQUITY

1. International Federation of Red Cross and Red Crescent Societies. **Protection, gender and inclusion in the response to COVID-19 – technical guidance note**. Geneva, Switzerland: IFRC; 2020. Available from: <https://media.ifrc.org/ifrc/document/protection-gender-inclusion-response-covid-19-technical-guidance-note/>.
2. National Collaborating Centre for Determinants of Health, Stief J. **Stigma, discrimination, health impacts and COVID-19**. Antigonish, NS: St. Francis Xavier University; 2020 [updated Mar 16]; Available from: <http://nccdh.ca/blog/entry/stigma-discrimination-health-impacts-and-covid-19>.
3. Pineda VS, Corburn J. **Disability, Urban Health Equity, and the Coronavirus Pandemic: Promoting Cities for All**. Journal of Urban Health : Bulletin of the New York Academy of Medicine. 2020. Available from: <https://doi.org/10.1007/s11524-020-00437-7>.
4. US Centers for Disease Control. **COVID-19 in Racial and Ethnic Minority Groups**. Atlanta, GA: CDC; 2020. Available from: <https://www.cdc.gov/coronavirus/2019-ncov/need-extra-precautions/racial-ethnic-minorities.html>.

HEALTH IMPACT ASSESSMENT

1. Douglas M, Katikireddi SV, Taulbut M, McKee M, McCartney G. **Mitigating the wider health effects of covid-19 pandemic response**. BMJ. 2020;369:m1557. Available from: <https://www.bmj.com/content/bmj/369/bmj.m1557.full.pdf>.

HEALTH POLICY

1. Alexander D, Karger E. **Do Stay-at-Home Orders Cause People to Stay at Home? Effects of Stay-at-Home Orders on Consumer Behavior**. Chicago, IL: Federal Reserve Bank of Chicago; 2020 Apr. Available from: <https://www.chicagofed.org/publications/working-papers/2020/2020-12>.
2. Çetin E, Kiremitci S, Kiremitci B. **Developing Optimal Policies to Fight Pandemics and COVID-19 Combat in the United States**. 2020. 2020;13(2):21. Available from: <https://ejpam.com/index.php/ejpam/article/view/3700>.
3. Czeisler MÉ, Howard ME, Robbins R, Barger LK, Facer-Childs ER, Rajaratnam SM, et al. **COVID-19: Public Compliance with and Public Support for Stay-at-Home Mitigation Strategies**. medRxiv.

2020:2020.04.22.20076141. Available from:

<https://www.medrxiv.org/content/medrxiv/early/2020/04/24/2020.04.22.20076141.full.pdf>.

4. Gates B. **Responding to Covid-19 — A Once-in-a-Century Pandemic?** N Engl J Med. 2020;382(18):1677-9. Available from: <https://www.nejm.org/doi/full/10.1056/NEJMp2003762>.
5. International Union for Health Promotion and Education. **Bringing a Health Promotion perspective to COVID-19 response by EUPHA-HP, IUHPE and UNESCO Chair Global Health & Education.** Montreal, QC: IUHPE; 2020. Available from: <https://www.iuhpe.org/index.php/en/iuhpenews>.
6. Pristera P, Papageorgiou V, Kaur M, Atchison C, Redd R, Bowman L, et al. **Report 14: Online community involvement in COVID-19 research & outbreak response: early insights from a UK perspective.** London, UK: Imperial College; 2020 Apr 3. Available from: <https://spiral.imperial.ac.uk/handle/10044/1/77842>.
7. Tabari P, Amini M, Moghadami M, Moosavi M. **International Public Health Responses to COVID-19 Outbreak: A Rapid Review.** Iranian Journal of Medical Sciences. 2020;45(3):157-69. Available from: http://ijms.sums.ac.ir/article_46525_f5e85df9512bd5ad85de4ff92b6af154.pdf.
8. World Health Organization. **Considerations in adjusting public health and social measures in the context of COVID-19.** Geneva, Switzerland: WHO; 2020 Apr 16. Available from: https://apps.who.int/iris/bitstream/handle/10665/331773/WHO-2019-nCoV-Adjusting_PH_measures-2020.1-eng.pdf.
9. World Health Organization Regional Office for Europe. **Strengthening and adjusting public health measures throughout the COVID-19 transition phases. Policy considerations for the WHO European Region, 24 April 2020.** Copenhagen, Denmark: WHO; 2020 Apr 24. Available from: <http://www.euro.who.int/en/health-topics/health-emergencies/coronavirus-covid-19/novel-coronavirus-2019-ncov-technical-guidance/coronavirus-disease-covid-19-outbreak-technical-guidance-europe/strengthening-and-adjusting-public-health-measures-throughout-the-covid-19-transition-phases.-policy-considerations-for-the-who-european-region,-24-april-2020>.

Health Policy Orders

1. British Columbia Office of the Provincial Health Officer. **COVID-19 (Novel Coronavirus). Orders, Notices & Guidance.** Victoria, BC: Government of British Columbia; 2020; Available from: https://www2.gov.bc.ca/gov/content/health/about-bc-s-health-care-system/office-of-the-provincial-health-officer/current-health-topics/covid-19-novel-coronavirus?bcgovtm=20200319_GCPE_AM_COVID_4_NOTIFICATION_BCGOV_BCGOV_EN_BC_NOTIFICATION.
2. British Columbia Office of the Provincial Health Officer. **Class Order (mass gatherings) re: COVID-19** Victoria, BC: Government of British Columbia; 2020; Available from: https://www2.gov.bc.ca/assets/gov/health/about-bc-s-health-care-system/office-of-the-provincial-health-officer/reports-publications/covid-19-pho-class-order-mass-gatherings.pdf?bcgovtm=20200319_GCPE_AM_COVID_4_NOTIFICATION_BCGOV_BCGOV_EN_BC_NOTIFICATION.
3. British Columbia Office of the Provincial Health Officer. **Order of the Office of the Provincial Health Officer Re: Covid-19 - To: Owners And Operators Of Premises At Which Food And/Or Drink Is Prepared And Served; Owners And Operators Of Premises At Which Meals And Drinks, Including Drinks Containing Liquor Are Prepared And Served; Owners And Operators Of Retail Liquor Establishments.** Victoria, BC: Government of British Columbia; 2020; Available from: <https://www2.gov.bc.ca/assets/gov/health/about-bc-s-health-care-system/office-of-the-provincial-health-officer/reports-publications/covid-19-pho-order-nightclubs-food-drink->

[services.pdf?bcgovtm=20200319_GCPE_AM_COVID_4_NOTIFICATION_BCGOV_BCGOV_EN_BC_NOTIFICATION_N.](#)

4. British Columbia Office of the Provincial Health Officer. Order of the Office of the Provincial Health Officer Re: Covid-19 - To: Vendors At And Market Managers Of Episodic Vending Markets (Also Known As “Farmers Markets” Or “Community Markets”). Victoria, BC: Government of British Columbia; 2020; Available from: https://www2.gov.bc.ca/assets/gov/health/about-bc-s-health-care-system/office-of-the-provincial-health-officer/covid-19/covid-19-pho-order-vending-merchandise-at-markets.pdf?bcgovtm=20200319_GCPE_AM_COVID_4_NOTIFICATION_BCGOV_BCGOV_EN_BC_NOTIFICATION_N.
5. British Columbia Office of the Provincial Health Officer. Order of the Office of the Provincial Health Officer Re: Covid-19 - To: Operators of Personal Service Establishments and Persons Who Provide Personal Services. Victoria, BC: Government of British Columbia; 2020; Available from: https://www2.gov.bc.ca/assets/gov/health/about-bc-s-health-care-system/office-of-the-provincial-health-officer/covid-19/covid-19-pho-order-personal-services.pdf?bcgovtm=20200319_GCPE_AM_COVID_4_NOTIFICATION_BCGOV_BCGOV_EN_BC_NOTIFICATION_N.

De-escalation, Re-opening

1. Park M. **Environmental scan of lockdown de-escalation measures in response to COVID-19.** Hamilton, ON: McMaster University, NCCMT; 2020; Available from: <https://www.nccmt.ca/knowledge-repositories/covid-19-evidence-reviews/55>.
2. Thiessen B, O’Ferrall K, Hamill C, Hofer L. **The Employer’s COVID-19 Return to the Workplace Playbook.** Osler; 2020 May 4. Available from: <https://www.osler.com/en/resources/regulations/2020/the-employer-s-covid-19-return-to-the-workplace-playbook>.
3. Zussman R. **COVID-19: Small gatherings, elective surgeries to be allowed in B.C. mid-May.** Vancouver, BC: Global News; 2020 May 6. Available from: <https://globalnews.ca/news/6911210/coronavirus-premier-plan-reopen/>.

HOMELESS, VULNERABLE POPULATIONS

1. Association of State and Territorial Health Officials. **COVID-19 Intervention Actions: Supporting Individuals Experiencing Homelessness.** Arlington, VA: ASTHO; 2020; Available from: <https://www.astho.org/COVID-19/Supporting-Individuals-Experiencing-Homelessness/>.

INDOOR AIR

1. Chung SW, Jo JJ. **Pressure Control of HVAC System for Corona Virus.** European Journal of Engineering Research and Science. 2020;5(4):462-8. Available from: <https://ejers.org/index.php/ejers/article/view/1872>.
2. Correia G, Rodrigues L, Gameiro da Silva M, Gonçalves T. **Airborne route and bad use of ventilation systems as non-negligible factors in SARS-CoV-2 transmission.** Med Hypotheses. 2020;141:109781. Available from: <http://www.sciencedirect.com/science/article/pii/S030698772030801X>.
3. Ham S. **Prevention of exposure and dispersion of COVID-19 using air purifiers: challenges and concerns.** Epidemiol Health. 2020:e2020027. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/32311865>.

4. Institut national de santé publique. **COVID-19 : Environnement intérieur. Questions-réponses.** Montreal, QC: INSPQ; 2020; Available from: <https://www.inspq.qc.ca/covid-19/environnement/air-interieur-ventilation>.
5. Jianyun L, Jieni G, Kuibiao L, Conghui X, Wenzhe S, Zhisheng L, et al. **COVID-19 Outbreak Associated with Air Conditioning in Restaurant, Guangzhou, China, 2020.** Emerging Infectious Disease journal. 2020;26(7). Available from: https://wwwnc.cdc.gov/eid/article/26/7/20-0764_article.

INDIGENOUS ENVIRONMENTAL HEALTH

1. Assembly of First Nations. **Assembly of First Nations Establishes COVID-19 National Task Force to Assist First Nations in Ongoing Planning and Response.** Ottawa, ON: AFN; 2020 May 5. Available from: <https://www.afn.ca/assembly-of-first-nations-bulletin-afn-covid-19-c-19-national-task-force/>.
2. First Nations Health Authority. **Novel coronavirus (COVID-19).** West Vancouver, BC: FNHA; 2020 Apr. Available from: <https://www.fnha.ca/what-we-do/communicable-disease-control/coronavirus>.
3. Kiddell-Monroe R, Ranta M, Enook S, Saranchuk P. **Inuit communities can beat COVID-19 and tuberculosis.** The Lancet. 2020. Available from: [https://www.thelancet.com/pdfs/journals/lanpub/PIIS2468-2667\(20\)30091-8.pdf](https://www.thelancet.com/pdfs/journals/lanpub/PIIS2468-2667(20)30091-8.pdf).
4. National Collaborating Centre for Determinants of Health. **Indigenous perspectives on COVID-19 [webinar].** Antigonish, NS: St. Francis Xavier University; 2020 Apr 15. Available from: <http://nccdh.ca/workshops-events/entry/health-equity-determinants-of-health-and-covid-19-conversation-3>.
5. National Collaborating Centre for Indigenous Health. **Maintaining the health and well-being of First Nations, Inuit and Métis children and teens during COVID-19.** Prince George, BC: University of Northern British Columbia; 2020 Apr. Available from: https://www.nccih.ca/495/Maintaining_the_health_and_well-being_of_First_Nations,_Inuit_and_M%C3%A9tis_children_and_teens_during_COVID-19.nccih?id=296.
6. National Collaborating Centre for Indigenous Health. Podcast: Voices from the Field Episode 7 Public health measures for COVID-19 in northern and remote communities: Public health roles, measures (Michael Isaac). Prince George, BC: National Collaborating Centre for Indigenous Health, University of Northern British Columbia; 2020 Mar 30. Available from: <https://nccid.ca/podcast-2019-ncov/#subMenuSection4>.
7. National Collaborating Centre for Indigenous Health. Podcast: Voices from the Field Episode 5 Preparing in First Nations Communities for COVID-19: Pandemic preparedness in First Nations communities (Marlene Larocque, Mryle Ballard). Prince George, BC: National Collaborating Centre for Indigenous Health, University of Northern British Columbia; 2020 Mar 17. Available from: <https://nccid.ca/podcast-2019-ncov/#subMenuSection4>.
8. National Collaborating Centre for Indigenous Health. **Podcast: Voices from the Field Episode 8 Livestock, farming and One Health considerations for COVID-19 (Simon Otto).** Prince George, BC: National Collaborating Centre for Indigenous Health, University of Northern British Columbia; 2020 Mar 30. Available from: <https://nccid.ca/podcast-2019-ncov/#subMenuSection4>.
9. National Collaborating Centre for Indigenous Health. Podcast: Voices from the Field Episode 6 Preparing for COVID-19 in Long Term Care Homes: Long Term Care homes, as well as supportive residences for seniors (David Strang). Prince George, BC: National Collaborating Centre for

Indigenous Health, University of Northern British Columbia; 2020 Mar 17. Available from: <https://nccid.ca/podcast-2019-ncov/#subMenuSection4>.

MENTAL HEALTH

General

1. British Columbia Centre for Disease Control. **Mental well-being during COVID-19**. Vancouver, BC: BCCDC; 2020. Available from: <http://www.bccdc.ca/health-info/diseases-conditions/covid-19/about-covid-19/mental-well-being-during-covid-19>.
2. Flint AJ, Bingham KS, Iaboni A. **Effect of COVID-19 on the Mental Health Care of Older People in Canada**. *Int Psychogeriatr*. 2020:1-10. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/32326993>.
3. Knipe D, Evans H, Marchant A, Gunnell D, John A. Mapping population mental health concerns related to COVID-19 and the consequences of physical distancing: a Google trends analysis [version 1; peer review: awaiting peer review]. *Wellcome Open Research*. 2020;5(82). Available from: <https://wellcomeopenresearch.org/articles/5-82/v1>.
4. The Lancet Psychiatry. **Mental health and COVID-19: change the conversation**. *The Lancet Psychiatry*. 2020. Available from: [https://doi.org/10.1016/S2215-0366\(20\)30194-2](https://doi.org/10.1016/S2215-0366(20)30194-2).
5. Vahia IVB, Dan G.; Smith, Gwenn S.; Karp, Jordan F.; Steffens, David C.; Forester, Brent P.; Tampi, Rajesh; Agronin, Marc; Jeste, Dilip V.; Reynolds, Charles F. **COVID-19, Mental Health and Aging: A Need for New Knowledge to Bridge Science and Service**. *Am J Geriatr Psychiatry*. 2020. Available from: <http://www.sciencedirect.com/science/article/pii/S1064748120302712>.
6. Yang H, Ma J. How an Epidemic Outbreak Impacts Happiness: Factors that Worsen (vs. Protect) Emotional Well-being during the Coronavirus Pandemic. *Psychiatry Res*. 2020:113045. Available from: <http://www.sciencedirect.com/science/article/pii/S0165178120309902>.

See also Children's Environmental Health – Mental Health sub topic

MULTI-UNIT BUILDINGS

1. British Columbia Housing. **Tips for residents of apartments and other multi-unit buildings**. Vancouver, BC: BC Housing; 2020. Available from: https://www2.gov.bc.ca/assets/gov/health-safety/7473_covid-19_apartment_poster_85x11.pdf?bcgovtm=20200319_GCPE_AM_COVID_4_NOTIFICATION_BCGOV_BCGOV_EN_BC_NOTIFICATION&fbclid=IwAR0_L2gkV9KWhE_8OTkmQHW67QZaxFVoroBNy71_9d9tqy4vpTBJtjAA2c.
2. San Francisco Department of Public Health. **Using Shared Laundry Facilities During the COVID-19 Pandemic**. San Francisco, CA: Department of Public Health; 2020 Apr 15. Available from: <https://www.sfgdp.org/wp-content/uploads/2020/04/COVID19-Using-Shared-Laundry-Facilities-FINAL-04.15.2020.pdf>.
3. Wellington-Dufferin-Guelph Public Health. **COVID-19 Guidance for Building Managers and Residents of Multi Unit Residential Dwellings**. ON: WDG Public Health; 2020 Apr. Available from: https://dufferincounty.ca/sites/default/files/clerks/covid/Guidance%20for%20MUDS_Final.pdf.

OCCUPATIONAL GUIDANCE

Occupational

1. British Columbia Centre for Disease Control. **Malls, shops and stores.** Vancouver, BC: BCCDC; 2020. Available from: <http://www.bccdc.ca/health-info/diseases-conditions/covid-19/community-settings/malls-stores>.
2. British Columbia Centre for Disease Control. **Recreation facilities.** Vancouver, BC: BCCDC; 2020. Available from: <http://www.bccdc.ca/health-info/diseases-conditions/covid-19/community-settings/recreation-facilities>.
3. British Columbia Centre for Disease Control. **Event planning.** Vancouver, BC: BCCDC; 2020. Available from: <http://www.bccdc.ca/health-info/diseases-conditions/covid-19/event-planning>.
4. British Columbia Centre for Disease Control, British Columbia Ministry of Health. **Coronavirus (COVID-19) Protecting Workers at Large Industrial Camps During the COVID-19 Pandemic.** Vancouver, BC: BCCDC; 2020 Apr 28. Available from: <https://www2.gov.bc.ca/assets/gov/health/about-bc-s-health-care-system/office-of-the-provincial-health-officer/covid-19/covid-19-pho-guidance-large-industrial-work-camps.pdf>.
5. British Columbia Ministry of Energy Mines and Petroleum Resources. **Guidance to mining and smelting operations during COVID-19.** Victoria, BC: Government of British Columbia; 2020 Mar 25. Available from: https://www2.gov.bc.ca/assets/gov/health/about-bc-s-health-care-system/office-of-the-provincial-health-officer/covid-19/covid-19_guidance_to_mining_and_smelting_march_25_2020.pdf.
6. British Columbia Ministry of Health. **Guidance to construction sites operating during COVID-19.** Victoria, BC: Government of British Columbia; 2020 Mar 22. Available from: <https://www2.gov.bc.ca/assets/gov/health/about-bc-s-health-care-system/office-of-the-provincial-health-officer/covid-19/covid-19-pho-guidance-construction-sites.pdf>.
7. British Columbia Ministry of Jobs Economic Development and Competitiveness. **Guidance to B.C. manufacturers during COVID-19.** Victoria, BC: Government of British Columbia; 2020 Mar 25. Available from: https://www2.gov.bc.ca/assets/gov/health/about-bc-s-health-care-system/office-of-the-provincial-health-officer/covid-19/covid-19_guidance_to_manufacturing_march_25_2020.pdf.
8. Chandrinos A. **The pandemic of covid-19 and the use of contact lenses.** 2020. Available from: https://www.researchgate.net/publication/340898072_The_Pandemic_of_COVID-19_and_the_Use_of_Contact_Lenses.
9. Government of Canada. **Risk-informed decision-making guidelines for workplaces and businesses during the COVID-19 pandemic.** Ottawa, ON: Government of Canada; 2020 Apr 17. Available from: <https://www.canada.ca/en/public-health/services/diseases/2019-novel-coronavirus-infection/guidance-documents/risk-informed-decision-making-workplaces-businesses-covid-19-pandemic.html>.
10. Government of Canada. **Infection Prevention and Control for COVID-19: Second Interim Guidance for Acute Healthcare Settings.** Ottawa, ON: Government of Canada; 2020. Available from: <https://www.canada.ca/en/public-health/services/diseases/2019-novel-coronavirus-infection/health-professionals/infection-prevention-control-covid-19-second-interim-guidance.html>.
11. Institut national de santé publique. **COVID-19: Interim Recommendations for the Food Processing Industry.** Montreal, QC: INSPQ; 2020 Apr 10. Available from: <https://www.inspq.qc.ca/en/publications/2952-food-industry-covid19>.

12. Institut national de santé publique. **COVID-19: Interim Recommendations concerning Police Officers and Security Guards.** Montreal, QC: INSPQ; 2020 Apr 15. Available from: <https://www.inspq.qc.ca/en/publications/2935-police-officers-security-guards-covid19>.
13. Institut national de santé publique. COVID-19: Interim Recommendations for Drivers in the Taxi and Ride-sharing Industry, such as UBER or The Volunteer Bureau/Transportation (CAB). Montreal, QC: INSPQ; 2020 Apr 28. Available from: <https://www.inspq.qc.ca/en/publications/2938-drivers-taxi-ride-sharing-industry-covid19>.
14. Institut national de santé publique. **COVID-19: Interim Recommendations for Movers.** Montreal, QC: INSPQ; 2020. Available from: <https://www.inspq.qc.ca/en/publications/2923-movers-covid19>.
15. Jones L, Walsh K, Willcox M, Morgan P, Nichols J. **The COVID-19 pandemic: Important considerations for contact lens practitioners.** Contact Lens and Anterior Eye. 2020. Available from: <http://www.sciencedirect.com/science/article/pii/S1367048420300552>.
16. Lai THT, Tang EWH, Chau SKY, Li KKW. **Reply to ocular manifestation, eye protection, and COVID-19.** Graefe's archive for clinical and experimental ophthalmology = Albrecht von Graefes Archiv fur klinische und experimentelle Ophthalmologie. 2020:1-. Available from: <https://pubmed.ncbi.nlm.nih.gov/32239278>
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7111588/>.
17. Li J-PO, Lam DSC, Chen Y, Ting DSW. Novel Coronavirus disease 2019 (COVID-19): The importance of recognising possible early ocular manifestation and using protective eyewear. Br J Ophthalmol. 2020;104(3):297-8. Available from: <https://bjoo.bmj.com/content/bjophthalmol/104/3/297.full.pdf>.
18. Molteni M. **Why Meatpacking Plants Have Become Covid-19 Hot Spots.** Wired; 2020 [May 7]; Available from: [https://www.wired.com/story/why-meatpacking-plants-have-become-covid-19-hot-spots/?ct=t\(RSS_EMAIL_CAMPAIGN\)](https://www.wired.com/story/why-meatpacking-plants-have-become-covid-19-hot-spots/?ct=t(RSS_EMAIL_CAMPAIGN)).
19. Nova Scotia Government. **Information for businesses with seasonal workers entering Nova Scotia.** Halifax, NS: Government of Nova Scotia; 2020 Apr 25. Available from: <https://covid19-employer-assessment.novascotia.ca/en/Assessment/BusinessWithSeasonalWorkers>.
20. Ontario Ministry of Health. **Guidance for Temporary Foreign Workers.** Toronto, ON: Ministry of Health; 2020 Mar. Available from: http://www.health.gov.on.ca/en/pro/programs/publichealth/coronavirus/docs/2019_foreign_workers_guidance.pdf.
21. Ontario Ministry of Health. **COVID-19 Guidance for Industry Operators.** Toronto, ON: Government of Ontario; 2020 Mar 29. Available from: http://www.health.gov.on.ca/en/pro/programs/publichealth/coronavirus/docs/2019_operators_guidance.pdf.
22. Ontario Ministry of Health. **COVID-19 Guidance: Primary Care Providers in a Community Setting.** Toronto, ON: Government of Ontario; 2020 Apr 25. Available from: http://www.health.gov.on.ca/en/pro/programs/publichealth/coronavirus/docs/2019_primary_care_guidance.pdf.
23. Ontario Workplace Safety and Prevention Services. **Guidance on Health and Safety for Marinas during COVID-19.** Toronto, ON: Ontario Workplace Safety and Prevention Services; 2020. Available from: <https://www.wsps.ca/WSPS/media/Site/Resources/Downloads/covid-19-marinas-health-and-safety-guidance.pdf?ext=.pdf>.
24. Pourazizi M, Peyman A. **Coronavirus disease 2019 and ophthalmologists: introducing a simple protective shield for slitlamp biomicroscopic examination.** J Cataract Refract Surg. 2020. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/32347689>.

25. Pringle J. **Plastic shields installed in Ottawa taxis to protect customers and drivers.** CTV News. 2020 Apr 5. Available from: <https://ottawa.ctvnews.ca/plastic-shields-installed-in-ottawa-taxis-to-protect-customers-and-drivers-1.4883358>.
26. Public Health Agency of Canada. **Risk-informed decision-making for mass gatherings during COVID-19 pandemic.** Ottawa, ON: PHAC; 2020 [updated 2020 Apr 3]; Available from: <https://www.canada.ca/en/public-health/services/publications/diseases-conditions/cleaning-disinfecting-public-spaces.html>.
27. Romano MR, Montericcio A, Montalbano C, Raimondi R, Allegrini D, Ricciardelli G, et al. **Facing COVID-19 in Ophthalmology Department.** Curr Eye Res. 2020;1-6. Available from: <https://doi.org/10.1080/02713683.2020.1752737>.
28. StatCan. **COVID-19 Disruptions and Agriculture: Temporary Foreign Workers.** Ottawa, ON: Statistitcs Canada; 2020 Apr 17. Available from: <https://www150.statcan.gc.ca/n1/pub/45-28-0001/2020001/article/00002-eng.htm>.
29. US Centers for Disease Control. **Interim Infection Prevention and Control Guidance for Dental Settings During the COVID-19 Response.** Atlanta, GA: CDC; 2020; Available from: <https://www.cdc.gov/coronavirus/2019-ncov/hcp/dental-settings.html>.
30. US Centers for Disease Control. **Coronavirus Disease 2019 (COVID-19). Meat and Poultry Processing Workers and Employers.** Interim Guidance from CDC and the Occupational Safety and Health Administration (OSHA). Atlanta, GA: US Department of Health and Human Services; 2020 Apr 26. Available from: <https://www.cdc.gov/coronavirus/2019-ncov/community/organizations/meat-poultry-processing-workers-employers.html>.
31. US Centers for Disease Control. **Coronavirus Disease 2019 (COVID-19). Guidance for Administrators in Parks and Recreational Facilities.** Atlanta, GA: US Department of Health and Human Services; 2020 Apr 10. Available from: <https://www.cdc.gov/coronavirus/2019-ncov/community/parks-rec/park-administrators.html>.
32. Vancouver Coastal Health. **COVID-19 Public Washrooms and Showers FAQ.** Vancouver, BC: VCH; 2020 Mar 26. Available from: <http://www.vch.ca/Documents/COVID-19%20Public%20Washroom%20Guidelines.pdf>.
33. Wellington-Dufferin-Guelph Public Health. **Covid-19 information for the public / workplaces, food premises, living spaces and other sectors.** ON: WDG Public Health; 2020. Available from: <https://wdgpublichealth.ca/your-health/covid-19-information-public/workplaces-food-premises-living-spaces-and-other-sectors>.
34. Wellington-Dufferin-Guelph Public Health. **Mobile Food Vendors – Guidance During COVID-19.** ON: WDG Public Health; 2020. Available from: [https://wdgpublichealth.ca/sites/default/files/file-attachments/mobile food vendors - guidance during covid 19 april 14 2020.pdf](https://wdgpublichealth.ca/sites/default/files/file-attachments/mobile%20food%20vendors%20-%20guidance%20during%20covid%2019%20april%2014%202020.pdf).
35. WorksafeBC. **Agriculture and COVID-19 safety.** Richmond, BC: WorksafeBC; 2020; Available from: <https://www.worksafebc.com/en/about-us/covid-19-updates/covid-19-industry-information/agriculture>.
36. WorksafeBC. **Forestry field work and COVID-19 safety.** Richmond, BC: WorksafeBC; 2020; Available from: <https://www.worksafebc.com/en/about-us/covid-19-updates/covid-19-industry-information/forestry>.
37. WorksafeBC. **Health care and COVID-19 safety.** Richmond, BC: WorksafeBC; 2020; Available from: <https://www.worksafebc.com/en/about-us/covid-19-updates/covid-19-industry-information/health-care>.
38. WorksafeBC. **Manufacturing and COVID-19 safety.** Richmond, BC: WorksafeBC; 2020; Available from: <https://www.worksafebc.com/en/about-us/covid-19-updates/covid-19-industry-information/manufacturing>.

39. WorksafeBC. **Retail and COVID-19 safety**. Richmond, BC: WorksafeBC; 2020; Available from: <https://www.worksafebc.com/en/about-us/covid-19-updates/covid-19-industry-information/retail>.
40. WorksafeBC. **Small business and COVID-19 safety**. Richmond, BC: WorksafeBC; 2020; Available from: <https://www.worksafebc.com/en/about-us/covid-19-updates/covid-19-industry-information/small-business>.
41. WorksafeBC. **COVID-19 information and resources**. Richmond, BC: WorksafeBC; 2020; Available from: <https://www.worksafebc.com/en/about-us/covid-19-updates>.

OUTDOOR AIR

1. British Columbia Centre for Disease Control. **COVID-19. Wildfires**. Vancouver, BC: BCCDC; 2020. Available from: <http://www.bccdc.ca/health-info/diseases-conditions/covid-19/prevention-risks/wildfires>.
2. Brook J. **Make our communities healthier with better air quality during and post-pandemic: CANUE [blog]**. Vancouver, BC: National Collaborating Centre for Environmental Health; 2020 04 23 Apr 23. Available from: <https://ncceh.ca/content/blog/make-our-communities-healthier-better-air-quality-during-and-post-pandemic-canue>.
3. European Environment Agency. **Monitoring Covid-19 impacts on air pollution**. Copenhagen, Denmark: EEA; 2020 Apr 23. Available from: <https://www.eea.europa.eu/themes/air/air-quality-and-covid19/monitoring-covid-19-impacts-on>.
4. Goldberg PVM. **Air pollution, COVID-19 and death: The perils of bypassing peer review**. The Conversation. 2020. Available from: <https://theconversation.com/air-pollution-covid-19-and-death-the-perils-of-bypassing-peer-review-136376>.
5. Henderson S. **Summer is coming: wildfire smoke + COVID-19 [blog]**. Vancouver, BC: National Collaborating Centre for Environmental Health; 2020 04 21 Apr 21. Available from: <https://ncceh.ca/content/blog/summer-coming-wildfire-smoke-covid-19>.
6. Sciomer S, Moscucci F, Magri D, Badagliacca R, Piccirillo G, Agostoni P. **SARS-CoV-2 spread in Northern Italy: what about the pollution role?** Environ Monit Assess. 2020;192(6):325. Available from: <https://doi.org/10.1007/s10661-020-08317-y>.
7. US Centers for Disease Control. **Coronavirus Disease 2019 (COVID-19). COVID-19 Considerations for Cleaner Air Shelters and Cleaner Air Spaces to Protect the Public from Wildfire Smoke**. Atlanta, GA: US Department of Health and Human Services; 2020 May 1. Available from: <https://www.cdc.gov/coronavirus/2019-ncov/php/cleaner-air-shelters.html>.

PERSONAL SERVICE ESTABLISHMENTS

1. Bellefontaine M. **Alberta barbers and hairstylists to get COVID-19 guidance 'soon'**. Edmonton, AB: CBC News; 2020 May 7. Available from: <https://www.cbc.ca/news/canada/edmonton/alberta-hair-salon-barbershops-1.5560663>.

PETS

1. American Veterinary Medical Association. **COVID-19: What veterinarians need to know**. Schaumburg, IL: AVMA; 2020 Mar 12. Available from: <https://www.avma.org/resources-tools/animal-health-and-welfare/covid-19>.

2. Canadian Veterinary Medical Association. **COVID-19 and animals frequently asked questions for veterinarians.** CVMA; 2020 Apr 30. Available from: <https://www.canadianveterinarians.net/documents/new-covid-19-and-animals-frequently-asked-questions-for-veterinarians>.
3. Public Health Ontario. **Coronavirus 2019 (COVID-19) – How to care for pets and other animals.** Toronto, ON: PHO; 2020 Apr 16. Available from: <https://www.publichealthontario.ca/-/media/documents/ncov/factsheet/factsheet-covid-19-domestic-animals.pdf?la=en>.
4. University of Washington, Department of Environmental and Occupational Health Sciences. **Can pets get COVID-19?** WA: University of Washington; 2020 Apr 17. Available from: https://deohs.washington.edu/hsm-blog/can-pets-get-covid-19?mkt_tok=eyJpIjoiWkdFNFptRXINelZrWldRMilsluQiOiJtb1ZKbU9jeTZWZDZlNjVjOENUVm1NVEpSdGNNT3NZT1wvMDVoWEJxS3grUFBaaWJleDIRa2N6ZlJBSFkyV1VnRmtURU15RzIKOE1RUzFUdHNyTjU0WlJNQzdFTEx4aBTa0xjaWhWXC9nTk9Rc0NWSVhJcVpTdUhcLzI2K1wvVUx3SXkifQ%3D%3D.
5. US Centers for Disease Control. Interim Infection Prevention and Control Guidance for Veterinary Clinics Treating Companion Animals During the COVID-19 Response. Atlanta, GA: CDC; 2020 [updated May 1]; Available from: <https://www.cdc.gov/coronavirus/2019-ncov/community/veterinarians.html>.
6. US Food and Drug Administration. **Helpful Questions and Answers about Coronavirus (COVID-19) and Your Pets.** White Oak, MD: US FDA; 2020. Available from: <https://www.fda.gov/consumers/consumer-updates/helpful-questions-and-answers-about-coronavirus-covid-19-and-your-pets>.
7. WSAVA Global Veterinary Community. **WSAVA Advice for Animal Welfare organisations during the COVID-19 Pandemic.** Toronto, ON: WSAVA; 2020 May. Available from: https://wsava.org/wp-content/uploads/2020/05/Organisations_WSAVA-Animal-Welfare-Advice-during-COVID-19.pdf.

PUBLIC FACILITIES

Jails

1. Montoya-Barthelemy A, Lee CD, Cundiff D, Smith E. **COVID-19 and the Correctional Environment: The American Prison as a Focal Point for Public Health.** Am J Prev Med. Available from: <https://doi.org/10.1016/j.amepre.2020.04.001>.
2. US Centers for Disease Control. Coronavirus Disease 2019 (COVID-19). Verbal Screening and Temperature Check Protocols for Incarcerated/Detained Persons, Staff, and Visitors. Atlanta, GA: US Department of Health and Human Services; 2020 Apr 18. Available from: <https://www.cdc.gov/coronavirus/2019-ncov/community/correction-detention/guidance-correctional-detention.html#verbal-screening>.
3. US Centers for Disease Control and Prevention. **Coronavirus Disease 2019 (COVID-19). Correction and detention facilities.** Atlanta, GA: US Department of Health and Human Services; 2020 [updated Apr 30]; Available from: <https://www.cdc.gov/coronavirus/2019-ncov/community/correction-detention/index.html>.

Transportation (see separate category, 'Transit, Transportation')

RECREATIONAL AND SURFACE WATER

1. Farquhar D. **Maintaining Pools and Hot Tubs During COVID-19 Shutdown**. Denver, CO: National Environmental Health Association; 2020 Apr 22. Available from: <https://www.neha.org/membership-communities/get-involved/day-in-life/maintaining-pools-and-hot-tubs-during-covid-19>.

RISK ASSESSMENT, COMMUNICATION

1. Han X, Wang J, Zhang M, Wang X. **Using Social Media to Mine and Analyze Public Opinion Related to COVID-19 in China**. Int J Environ Res Public Health. 2020;17(8). Available from: <https://www.ncbi.nlm.nih.gov/pubmed/32316647>.
2. Ker AP. **Risk management in Canada's agricultural sector in light of COVID-19**. Canadian Journal of Agricultural Economics/Revue canadienne d'agroeconomie. 2020;n/a(n/a). Available from: <https://onlinelibrary.wiley.com/doi/abs/10.1111/cjag.12232>.

SENIORS' ENVIRONMENTAL HEALTH

1. Australian Government Department of Health. **Consultation on draft Aged Care Visitor Access Code**. Australia: Government of Australia; 2020 May 1. Available from: <https://www.health.gov.au/news/consultation-on-draft-aged-care-visitor-access-code>.
2. Eghtesadi M. **Breaking Social Isolation Amidst COVID-19: A Viewpoint on Improving Access to Technology in Long-Term Care Facilities**. J Am Geriatr Soc. 2020. Available from: <https://doi.org/10.1111/jgs.16478>.
3. Public Health Ontario. **Coronavirus 2019 (COVID-19) – How to protect yourself from COVID-19. Older Adults and People with Chronic Medical Conditions or Weakened Immune Systems [fact sheet]**. Toronto, ON: PHO; 2020 May 2. Available from: <https://www.publichealthontario.ca/-/media/documents/ncov/factsheet/2020/05/factsheet-covid-19-immunocompromised.pdf?la=en>.
4. US Centers for Disease Control and Prevention. **Coronavirus Disease 2019 (COVID-19). Preventing the Spread of COVID-19 in Retirement Communities and Independent Living Facilities (Interim Guidance)**. Atlanta, GA: US Department of Health and Human Services; 2020 [updated Mar 20]; Available from: <https://www.cdc.gov/coronavirus/2019-ncov/community/retirement/guidance-retirement-response.html>.
5. White P, Marston H, Shore L, Turner R. **Learning from COVID-19: Design, Age-friendly Technology, Hacking and Mental Models [version 1; peer review: awaiting peer review]**. Emerald Open Research. 2020;2(21). Available from: <https://emeraldopenresearch.com/articles/2-21/v1>.

SURVEILLANCE, BIOMONITORING

1. Association of State and Territorial Health Officials. **Making Contact: A Training for COVID-19 Contact Tracers**. Arlington, VA: ASTHO; 2020; Available from: <https://learn.astho.org/p/ContactTracer>.
2. Australian Government Department of Health. **COVIDSafe app**. Australia: Government of Australia; 2020. Available from: <https://www.health.gov.au/resources/apps-and-tools/covidsafe-app>.

3. ESRI Canada. **COVID-19 Canadian Outbreak Tracker**. Toronto, ON: ESRI Canada; 2020. Available from: <https://resources-covid19canada.hub.arcgis.com/app/eb0ec6ffdb654e71ab3c758726c55b68>.
4. European Centre for Disease Control and Prevention. **Contact tracing for COVID-19: current evidence, options for scale-up and an assessment of resources needed**. Stockholm, Sweden: ECDCP; 2020 [updated 2020 May 5]; Available from: <https://www.ecdc.europa.eu/en/covid-19/questions-answers>.
5. StatCan. **COVID-19 A data perspective**. Ottawa, ON: StatCan; 2020. Available from: <https://www.statcan.gc.ca/eng/covid19?HPA=1>.

SURVIVAL TIME

1. Aboubakr HA, Sharafeldin T, Goyal SM. Stability of SARS-CoV2 and other coronaviruses in the environment and on common touch surfaces and the influence of climatic conditions: a review. OSF Preprints. 2020. Available from: <https://osf.io/y2rth/download>.
2. Fiorillo L, Cervino G, Matarese M, D'Amico C, Surace G, Paduano V, et al. **COVID-19 Surface Persistence: A Recent Data Summary and Its Importance for Medical and Dental Settings**. Int J Environ Res Public Health. 2020;17(9):3132. Available from: <https://www.mdpi.com/1660-4601/17/9/3132>.
3. Wang T, Lien C, Liu S, Selveraj P. **Effective Heat Inactivation of SARS-CoV-2**. medRxiv. 2020:2020.04.29.20085498. Available from: <https://www.medrxiv.org/content/medrxiv/early/2020/05/05/2020.04.29.20085498.full.pdf>.

TOBACCO, CANNABIS, VAPING

1. British Columbia Centre for Disease Control. **Vaping, Smoking and COVID-19**. Vancouver, BC: BCCDC; 2020. Available from: <http://www.bccdc.ca/health-info/diseases-conditions/covid-19/prevention-risks/vaping-smoking-and-covid-19>.
2. Vázquez JC, Redolar-Ripoll D. **COVID-19 outbreak impact in Spain: A role for tobacco smoking?** Tobacco Induced Diseases. 2020;18:30. Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7177389/>.

TRANSMISSION

General

1. Bahl P, Doolan C, de Silva C, Chughtai AA, Bourouiba L, MacIntyre CR. **Airborne or Droplet Precautions for Health Workers Treating Coronavirus Disease 2019?** J Infect Dis. 2020. Available from: <https://doi.org/10.1093/infdis/jiaa189>.
2. Biswas P, Dhawan S. **Evaporation of Emitted Droplets Are An Important Factor Affecting the Lifetime of the Airborne Coronavirus**. St Louis: Washington University in St Louis; 2020. Available from: https://cpb-us-w2.wpmucdn.com/sites.wustl.edu/dist/a/171/files/2020/04/AirborneTrans_Opinion_Apr_10_2020-1.pdf.
3. Bourouiba L. **Turbulent Gas Clouds and Respiratory Pathogen Emissions: Potential Implications for Reducing Transmission of COVID-19**. JAMA. 2020. Available from: <https://doi.org/10.1001/jama.2020.4756>.

4. Demongeot J, Flet-Berliac Y, Seligmann H. **Temperature Decreases Spread Parameters of the New Covid-19 Case Dynamics**. *Biology*. 2020;9(5):94. Available from: <https://www.mdpi.com/2079-7737/9/5/94>.
5. Galbadage T, Peterson BM, Gunasekera RS. **Does COVID-19 Spread Through Droplets Alone?** *Frontiers in Public Health*. 2020;8(163). Available from: <https://www.frontiersin.org/article/10.3389/fpubh.2020.00163>.
6. Guerrero N, Brito J, Cornejo P. **COVID-19. Transport of respiratory droplets in a microclimatologic urban scenario**. medRxiv. 2020. Available from: <https://www.medrxiv.org/content/medrxiv/early/2020/04/23/2020.04.17.20064394.full.pdf>.
7. Kohanski MA, Palmer JN, Cohen NA. **Aerosol or droplet: critical definitions in the COVID-19 era**. *Int Forum Allergy Rhinol*. 2020. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/32323923>.
8. Konda A, Prakash A, Moss GA, Schmoltdt M, Grant GD, Guha S. **Aerosol Filtration Efficiency of Common Fabrics Used in Respiratory Cloth Masks**. *ACS Nano*. 2020. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/32329337>.
9. Mahabee-Gittens EM, Merianos AL, Matt GE. Letter to the Editor Regarding: “An Imperative Need for Research on the Role of Environmental Factors in Transmission of Novel Coronavirus (COVID-19)” -Secondhand and Thirdhand Smoke As Potential Sources of COVID-19. *Environ Sci Technol*. 2020. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/32319756>.
10. Sase CERSE. **An All-Hazards Approach to Pandemic COVID-19: Clarifying Transmission Pathways Toward the Public Health Response**. *J Environ Health*. 2018;82(9). Available from: <https://www.neha.org/node/61345>.
11. Shi P, Dong Y, Yan H, Zhao C, Li X, Liu W, et al. **Impact of temperature on the dynamics of the COVID-19 outbreak in China**. *Sci Total Environ*. 2020;728:138890. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/32339844>.
12. Siddiqui MK, Morales-Menendez R, Gupta PK, Iqbal HM, Hussain F, Khatoun K, et al. **Correlation Between Temperature and COVID-19 (Suspected, Confirmed and Death) Cases based on Machine Learning Analysis**. *J Pure Appl Microbiol*. 2020;14. Available from: https://www.researchgate.net/publication/340730958_Correlation_Between_Temperature_and_COVID-19_Suspected_Confirmed_and_Death_Cases_based_on_Machine_Learning_Analysis.
13. Tuite AR, Fisman DN, Greer AL. **Mathematical modelling of COVID-19 transmission and mitigation strategies in the population of Ontario, Canada**. *Can Med Assoc J*. 2020:cmaj.200476. Available from: <https://www.cmaj.ca/content/cmaj/early/2020/04/09/cmaj.200476.full.pdf>.
14. Wadia R. **Transmission routes of COVID-19 in the dental practice**. *Br Dent J*. 2020;228(8):595. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/32332957>.
15. Williams M, Blake S, Matthews H. **Mitigating the risk of aerosol generation from power tools during the COVID-19 pandemic**. *Ann R Coll Surg Engl*. 2020:1. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/32324054>.
16. Workman A, Bleier BS. **Response to “Aerosol or Droplet: Critical Definitions in the COVID-19 Era”**. *Int Forum Allergy Rhinol*. 2020. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/32339412>.
17. Wu Y, Jing W, Liu J, Ma Q, Yuan J, Wang Y, et al. **Effects of temperature and humidity on the daily new cases and new deaths of COVID-19 in 166 countries**. *Sci Total Environ*. 2020;729:139051. Available from: <http://www.sciencedirect.com/science/article/pii/S0048969720325687>.
18. Zhai R, Fu B, Shi X, Sun C, Liu Z, Wang S, et al. Contaminated in-house environment contributes to the persistence and transmission of NDM-producing bacteria in a Chinese poultry farm. *Environ Int*. 2020;139:105715. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/32315891>.

Faecal-Oral

1. Amirian ES. **Potential Fecal Transmission of SARS-CoV-2: Current Evidence and Implications for Public Health.** Int J Infect Dis. 2020. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/32335340>.
2. Australian Government Department of Health. **Additional safety protections relating to COVID-19 for faecal microbiota transplant (FMT) products.** Australia: Government of Australia; 2020. Available from: <https://www.tga.gov.au/alert/additional-safety-protections-relating-covid-19-faecal-microbiota-transplant-fmt-products>.
3. Coil D. **#COVID19 Journal Club: COVID-19: “The environmental implications of shedding SARS-CoV-2 in human faeces”.** 2020; Available from: <http://microbe.net/category/related-science/coronavirus/>.
4. Ding S, Liang TJ. **Is SARS-CoV-2 Also an Enteric Pathogen with Potential Fecal-Oral Transmission: A COVID-19 Virological and Clinical Review.** Gastroenterology. 2020. Available from: <http://www.sciencedirect.com/science/article/pii/S0016508520305710>.
5. Heller L, Mota CR, Greco DB. **COVID-19 faecal-oral transmission: Are we asking the right questions?** Sci Total Environ. 2020;729:138919. Available from: <http://www.sciencedirect.com/science/article/pii/S0048969720324360>.
6. McDermott CV, Alicic RZ, Harden N, Cox EJ, Scanlan JM. **Put a lid on it: Are faecal bio-aerosols a route of transmission for SARS-CoV-2?** J Hosp Infect. 2020. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/32315667>.
7. Science News. **Sewage poses potential COVID-19 transmission risk, experts warn.** University of Stirling; 2020 May 6. Available from: <https://www.sciencedaily.com/releases/2020/05/200506133603.htm>.
8. Sun J, Zhu A, Li H, Zheng K, Zhuang Z, Chen Z, et al. **Isolation of Infectious SARS-CoV-2 from Urine of a COVID-19 Patient.** Emerg Microbes Infect. 2020:1-8. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/32342724>.

Fomites

1. Pastorino B, Touret F, Gilles M, de Lamballerie X, Charrel RN. **Prolonged viability of SARS-CoV-2 in fomites.** OSF Preprints. 2020. Available from: <https://doi.org/10.31219/osf.io/7etga>.

TRANSIT, TRANSPORTATION

1. CBC News. **City of Saskatoon resists call to shut down some roads to allow cyclists, pedestrians to spread out.** Saskatoon, SK: CBC; 2020 Apr 15. Available from: <https://www.cbc.ca/news/canada/saskatoon/saskatoon-cycle-walking-paths-pedestrians-1.5532745>.
2. Chung E. **Are physical distancing measures giving bikes a new lease on life?** . CBC News. 2020 Apr 10. Available from: <https://www.cbc.ca/news/technology/are-physical-distancing-measures-giving-bikes-a-new-lease-on-life-1.5528224>.
3. Chung E. **Keeping a distance: How safe are running and cycling amid COVID-19 measures?** . CBC News. 2020 Apr 16. Available from: <https://www.cbc.ca/news/technology/keeping-a-distance-how-safe-are-running-and-cycling-amid-covid-19-measures-1.5534086>.
4. City of Brampton. **Media Release: City implements interim bike lanes to promote safe active transportation opportunities during COVID-19 pandemic.** Brampton, ON: City of Brampton;

- 2020 Apr 17. Available from: <https://www.brampton.ca/EN/City-Hall/News/Pages/Media-Release.aspx/735>.
5. City of Calgary. **Changing travel trends during COVID-19**. Calgary, AB: City of Calgary; 2020 Apr 17. Available from: <https://newsroom.calgary.ca/changing-travel-trends-during-covid-19/>.
 6. European Centre for Disease Control and Prevention. **Considerations for infection prevention and control measures on public transport in the context of COVID-19**. Stockholm, Sweden: ECDCP; 2020 [updated 2020 Apr 29]; Available from: <https://www.ecdc.europa.eu/en/publications-data/covid-19-prevention-and-control-measures-public-transport>.
 7. Hansen-Gillis L. **While many Canadian cities implement emergency bike lanes, some lag behind in their response**. Toronto, ON: Canadian Cycling Magazine; 2020 Apr 28. Available from: <https://cyclingmagazine.ca/sections/news/while-many-canadian-cities-implement-emergency-bike-lanes-some-lag-behind-in-their-response/>.
 8. Kelowna Now. **City of Kelowna asks residents to shift their mindset as cycling season begins**. Kelowna, BC: Kelowna Now; 2020 Apr 13. Available from: https://www.kelownanow.com/watercooler/news/news/Kelowna/City_of_Kelowna_asks_residents_to_shift_their_mindset_as_cycling_season_begins/.
 9. National Association of Transportation Officials. **NATCO transportation action updates**. New York, NY: NATCO; 2020. Available from: https://docs.google.com/spreadsheets/d/1xBf6gMAwNSzNTr0-CbK_uTA0ZapWGjOP58Dfn6qeC6Y/edit#gid=1511672872.
 10. Pringle J. **City has no plans to close roads for pedestrians, cyclists during COVID-19 pandemic**. CTV News. 2020 Apr 6. Available from: <https://ottawa.ctvnews.ca/city-has-no-plans-to-close-roads-for-pedestrians-cyclists-during-covid-19-pandemic-1.4885252>.
 11. Stankov IG, Leandro M. T.; Mascoll, Maria Antonietta; Montes, Felipe; Meisel, José D.; Gouveia, Nelson; Sarmiento, Olga L.; Rodriguez, Daniel A.; Hammond, Ross A.; Caiaffa, Waleska Teixeira; Diez Roux, Ana V. **A systematic review of empirical and simulation studies evaluating the health impact of transportation interventions**. Environ Res. 2020;186:109519. Available from: <http://www.sciencedirect.com/science/article/pii/S0013935120304126>.
 12. Thoelen J. **Why in times of COVID-19 you should not walk/run/bike close behind each other — Follow Up with Q&A by the investigators.**: Medium; 2020 [Apr 13]; Available from: <https://medium.com/@jurgenthoele/why-in-times-of-covid-19-you-should-not-walk-run-bike-close-behind-each-other-follow-up-with-q-a-ca44e12cc54d>.
 13. Transit App. **How Coronavirus is disrupting public transit**. Vancouver, BC: Transit App; 2020. Available from: <https://transitapp.com/coronavirus>.
 14. Transport Association of Canada. **Digest of resources on COVID-19**. Ottawa, ON: Government of Canada; 2020; Available from: https://www.tac-atc.ca/sites/default/files/site/doc/COVID_19/zoteroreport.html.
 15. Velo Canada Bikes. **BikePed CoVid response**. Winnipeg, MB: Velo Canada Bikes; 2020. Available from: https://docs.google.com/spreadsheets/d/19X2GhrVSv8_v5s3gfXvqt8rnM5iU99wpl51LbRYou2U/edit#gid=2054921953.
 16. WorksafeBC. **Transportation and COVID-19 safety**. Richmond, BC: WorksafeBC; 2020; Available from: <https://www.worksafebc.com/en/about-us/covid-19-updates/covid-19-industry-information/transportation>.
 17. World Health Organization Regional Office for Europe. **Moving around during the COVID-19 outbreak**. Copenhagen, Denmark: WHO; 2020. Available from: <http://www.euro.who.int/en/health->

COVID-19 Special Issue, Environmental Health Research Scan

Search Methodology

Rapid literature searches were conducted to locate Covid-19 articles specific to Environmental Health topics that have been relevant to NCCEH work in the past. The searches aimed to capture scientific and grey literature relevant to each topic with specific interest in the past year. Articles were selected by title rather than abstract or full-text review; the goal was to scope relevant literature by topic quickly, prepare a list for distribution and then, depending on follow-up interest, knowledge translation scientists would further review and evaluate. Bibliographies of review articles were scanned to retrieve more articles. Any related articles and suggested articles appearing within a search engine were also considered for inclusion.

Inclusion of articles with publishing dates from years 2019-2020 (including pre-prints) were preferable, but articles were not excluded by date if their material was of particular interest. Grey literature was included for additional topic information and description. The searches were restricted to English language articles and the searches were run between April 23 – May 8, 2020.

With respect to databases used, articles were identified through EBSCOhost (to access MEDLINE, CINAHL, PsycINFO, Biomedical Reference Collection, and Academic Search Complete), Ovid (to access Elsevier Science Direct, Evidence Based Medicine, SAGE journals online, and Cochrane Database of Systematic Reviews), Google Scholar (to access books, book chapters, older articles, and articles from journals not indexed through major database platforms) and Google (for websites, fact sheets, and primarily government/organization material). Broad keywords and search statements (and iterations of these) for gathering material were used. The approach was not systematic, yet consistency in Covid-19 search terms was a goal across searches. **This should not be viewed as a comprehensive list**; more as a foundation for select environmental health topics. Some topics were searched more thoroughly depending upon field inquiries received while searching.

Additional description of search engines/databases for sources of information:

- University of British Columbia Library – Ebscohost (includes Medline, Cinahl, Academic Search Complete, ERIC, etc.)
- Pubmed
- ScienceDirect
- Ingentaconnect
- Embase
- Web of Science
- Indigenous Journals
- Google Scholar
- Google

For more on environmental health information and evidence, visit NCCEH.ca

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