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Planetary Health Resources

A selected list of resources on the topic of planetary health (the effects of climate change and other environmental factors on health) available through the College library. Enter your CPSID and password to access the e-resources.

Note: Resources and links are provided for general reference only and are not considered College policy.

Ebooks

- [One health: the theory and practice of integrated health approaches](#). Zinsstag J, editor, 2021.
- [Outdoor therapies: an introduction to practices, possibilities, and critical perspectives](#). Harper NJ, Dobud WW, editors, 2021.
- [Planetary health: protecting nature to protect ourselves](#). Myers S, Frumkin H, 2020.
- [Essentials of environmental health](#). Friis RH, 2019.
- [Oxford textbook of nature and public health: the role of nature in improving the health of a population](#). van den Bosch M, Bird W, editors, 2018.
- [One health case studies: addressing complex problems in a changing world](#). Cork SC, Hall DC, Liljebjelke KA, editors, 2016.

Ebook chapters

The links in the list below will take you to the ebook. Select the chapter of interest in the table of contents. Additional book chapters from print books are on the last page of this list.

- **Chapter 17, Global environmental changes reshaping health in the 21st century**. Frumkin H. In: Boulton ML, Wallace RB, editors. [Maxcy-Rosenau-Last public health & preventive medicine](#), 16th ed., 2022.
- **Chapter 3, Disasters and societal trauma: complex and societal trauma**. In: Pagel JF, [Post-traumatic stress disorder: a guide for primary care clinicians and therapists](#), 2021. p. 21.
- **Chapter 16, Summary statement on sustainability and public health nutrition**. Jones S, Lanigan D. In: Barth MM, et al, editors. [Public health nutrition: rural, urban, and global community-based practice](#). p. 413.
- **Section VI, Environmental health**. Solomon GM et al. In: LaDou J, Harrison RJ. [Current diagnosis & treatment: occupational & environmental medicine](#). 6th ed., 2021. p. 755.
- **Chapter 12, Environmental health**. In: Guidotti TL. [The handbook of occupational and environmental medicine: principles, practice, populations, and problem-solving](#), 2nd ed., 2020.

Guidelines

- [Taking a stand against air pollution-the impact on cardiovascular disease: a joint opinion from the World Heart Federation, American College of Cardiology, American Heart Association, and the European Society of Cardiology](#). Brauer M, Casadei B, Harrington RA, Kovacs R, Sliwa K. *Circulation*. 2021 Apr 6;143(14):e800-e4.
- [Guidance to reduce the cardiovascular burden of ambient air pollutants: a policy statement from the American Heart Association](#). Kaufman JD, Elkind MSV, Bhatnagar A, et al. *Circulation*. 2020 Dec 8;142(23):e432-e47.

Selected articles: general and overviews

Review articles with a focus on practical tips for clinical use.

- [Climate change and extreme heat events: how health systems should prepare](#). Patel L, Conlon Kathryn C, Sorensen C, et al. *NEJM Catalyst*. 2022 Jun 15;3(7):CAT.21.0454.
- [Extreme heat and cardiovascular health: what a cardiovascular health professional should know](#). Chaseling GK, Iglesias-Grau J, Juneau M, et al. *Can J Cardiol*. 2021 Nov;37(11):1828-36.
- [Reducing the health effects of hot weather and heat extremes: from personal cooling strategies to green cities](#). Jay O, Capon A, Berry P, et al. *Lancet*. 2021 Aug 21;398(10301):709-24.
- [Climate change: an enduring challenge for vector-borne disease prevention and control](#). Rocklöv J, Dubrow R. *Nat Immunol*. 2020 May;21(5):479-83.
- [Environmental determinants of cardiovascular disease: lessons learned from air pollution](#). Al-Kindi SG, Brook RD, Biswal S, Rajagopalan S. *Nat Rev Cardiol*. 2020 Oct;17(10):656-72.
- [Green environments and cardiovascular health](#). Yeager RA, Smith TR, Bhatnagar A. *Trends Cardiovasc Med*. 2020 May;30(4):241-6.
- [Individual- and household-level interventions to reduce air pollution exposures and health risks: a review of the recent literature](#). Allen RW, Barn P. *Curr Environ Health Rep*. 2020 Dec;7(4):424-40.
- [Personal-level protective actions against particulate matter air pollution exposure: a scientific statement from the American Heart Association](#). Rajagopalan S, Brauer M, Bhatnagar A, et al. *Circulation*. 2020 Dec 8;142(23):e411-e31.
- [Climate change and temperature extremes: a review of heat- and cold-related morbidity and mortality concerns of municipalities](#). Gronlund CJ, Sullivan KP, Kefelegn Y, Cameron L, O'Neill MS. *Maturitas*. 2018 Aug;114:54-9.
- [Developing a clinical approach to air pollution and cardiovascular health](#). Hadley MB, Baumgartner J, Vedanthan R. *Circulation*. 2018 Feb 13;137(7):725-42.
- [Health risks of flood disasters](#). Paterson DL, Wright H, Harris PNA. *Clin Infect Dis*. 2018 Oct 15;67(9):1450-4.
- [Shade as an environmental design tool for skin cancer prevention](#). Holman DM, Kapelos GT, Shoemaker M, Watson M. *Am J Public Health*. 2018 Dec;108(12):1607-12.

Selected articles: sustainability

Review articles with a focus on practical tips for clinical use.

- [Operationalising positive tipping points towards global sustainability](#). Lenton TM, Benson S, Smith T, et al. *Global Sustainability*. 2022;5:e1.
- [Empowering surgeons, anesthesiologists, and obstetricians to incorporate environmental sustainability in the operating room](#). Yates EF, Bowder AN, Roa L, et al. *Ann Surg*. 2021 Jun 1;273(6):1108-14.
- [Considerations for environmentally sustainable head and neck surgical oncology practice](#). Sanabria A, Kowalski LP, Nixon IJ, Shaha A, De Bree R, Mäkitie AA, Rinaldo A, Ferlito A. *Am J Otolaryngol*. 2020 Nov-Dec;41(6):102719.
- [Environmental sustainability in anaesthesia and critical care](#). McGain F, Muret J, Lawson C, Sherman JD. *Br J Anaesth*. 2020 Nov;125(5):680-92.
- [Sustainability in the operating room: reducing our impact on the planet](#). Gordon D. *Anesthesiol Clin*. 2020 Sep;38(3):679-92.

Selected articles: mental distress as a consequence of climate change

Review articles with a focus on practical tips for clinical use.

- [Climate change and Indigenous mental health in the circumpolar north: a systematic review to inform clinical practice](#). Lebel L, Paquin V, Kenny TA, et al. *Transcult Psychiatry*. 2022 Jun;59(3):312-36.
- [Climate change and mental health: implications for the psychiatric workforce](#). Hwong AR, Kuhl EA, Compton WM, et al. *Psychiatr Serv*. 2022 May;73(5):592-5.
- [Climate change and mental health: a scoping review](#). Charlson F, Ali S, Benmarhnia T, et al. *Int J Environ Res Public Health*. 2021 Apr 23;18(9).
- [Effects of extreme weather events on child mood and behavior](#). Barkin JL, Buoli M, Curry CL, et al. *Dev Med Child Neurol*. 2021 Jul;63(7):785-90.
- [The interplay between social and ecological determinants of mental health for children and youth in the climate crisis](#). Gislason MK, Kennedy AM, Witham SM. *Int J Environ Res Public Health*. 2021 Apr 26;18(9).
- [Climate anxiety: psychological responses to climate change](#). Clayton S. *J Anxiety Disord*. 2020 Aug;74:102263.
- [Climate change and risk of completed suicide](#). Dumont C, Haase E, Dolber T, Lewis J, Coverdale J. *J Nerv Ment Dis*. 2020 Jul;208(7):559-65.
- [Coping with climate change: three insights for research, intervention, and communication to promote adaptive coping to climate change](#). Mah AYJ, Chapman DA, Markowitz EM, Lickel B. *J Anxiety Disord*. 2020 Oct;75:102282.
- [Effect of extreme weather events on mental health: a narrative synthesis and meta-analysis for the UK](#). Cruz J, White PCL, Bell A, Coventry PA. *Int J Environ Res Public Health*. 2020 Nov 19;17(22).

- [Global climate change and mental health](#). Palinkas LA, Wong M. *Curr Opin Psychol*. 2020 Apr;32:12-6.
- [A scoping review of non-occupational exposures to environmental pollutants and adult depression, anxiety, and suicide](#). Dickerson AS, Wu AC, Liew Z, Weisskopf M. *Curr Environ Health Rep*. 2020 Sep;7(3):256-71.
- [Addressing mental health in a changing climate: incorporating mental health indicators into climate change and health vulnerability and adaptation assessments](#). Hayes K, Poland B. *Int J Environ Res Public Health*. 2018 Aug 22;15(9).
- [The long-term physical and psychological health impacts of flooding: a systematic mapping](#). Zhong S, Yang L, Toloo S, et al. *Sci Total Environ*. 2018 Jun 1;626:165-94.

Selected articles: specific populations and interventions

Review articles with a focus on practical tips for clinical use.

- [Climate change, fossil-fuel pollution, and children's health](#). Perera F, Nadeau K. *N Engl J Med*. 2022 Jun 16;386(24):2303-14.
- [Heatstroke-induced coagulopathy: biomarkers, mechanistic insights, and patient management](#). Iba T, Connors JM, Levi M, Levy JH. *EClinicalMedicine*. 2022 Feb;44:101276.
- [Climate change and cancer: converging policies](#). Vineis P, Huybrechts I, Millett C, Weiderpass E. *Mol Oncol*. 2021 Mar;15(3):764-9.
- [Climate change, weather, housing precarity, and homelessness: a systematic review of reviews](#). Bezgrebelna M, McKenzie K, Wells S, et al. *Int J Environ Res Public Health*. 2021 May 28;18(11).
- [Inflammasome activation in pollution-induced skin conditions](#). Ferrara F, Prieux R, Woodby B, Valacchi G. *Plast Reconstr Surg*. 2021 Jan 1;147(1S-2):15S-24S.
- [Particulate matter inhalation and the exacerbation of cardiopulmonary toxicity due to metabolic disease](#). Kobos L, Shannahan J. *Exp Biol Med (Maywood)*. 2021 Apr;246(7):822-34.
- [Cardiopulmonary impact of particulate air pollution in high-risk populations: JACC state-of-the-art review](#). Newman JD, Bhatt DL, Rajagopalan S, et al. *J Am Coll Cardiol*. 2020 Dec 15;76(24):2878-94.
- [Climate change in healthcare: exploring the potential role of inhaler prescribing](#). Starup-Hansen J, Dunne H, Sadler J, Jones A, Okorie M. *Pharmacol Res Perspect*. 2020 Dec;8(6):e00675.
- [Effectiveness of the air purification strategies for the treatment of allergic asthma: a meta-analysis](#). van Boven FE, de Jong NW, Braunstahl GJ, Arends LR, Gerth van Wijk R. *Int Arch Allergy Immunol*. 2020;181(5):395-402.
- [Effects of home particulate air filtration on blood pressure: a systematic review](#). Walzer D, Gordon T, Thorpe L, et al. *Hypertension*. 2020 Jul;76(1):44-50.
- [How to prevent skin damage from air pollution. Part 1: exposure assessment](#). Damevska K, Boev B, Mirakovski D, et al. *Dermatol Ther*. 2020 Jan;33(1):e13171.
- [Sustainable solutions to mitigate occupational heat strain - an umbrella review of physiological effects and global health perspectives](#). Morris NB, Jay O, Flouris AD, et al. *Environ Health*. 2020 Sep 4;19(1):95.

- [Air pollution and resistance to inhaled glucocorticoids: evidence, mechanisms and gaps to fill.](#) Rider CF, Carlsten C. *Pharmacol Ther.* 2019 Feb;194:1-21.
- [Health risks and interventions in exertional heat stress.](#) Leyk D, Hoitz J, Becker C, et al. *Dtsch Arztebl Int.* 2019 Aug 5;116(31-32):537-44.
- [Medical management, prevention and mitigation of environmental risks factors in neurology.](#) Reis J, Román GC, Giroud M, Palmer VS, Spencer PS. *Rev Neurol (Paris).* 2019 Dec;175(10):698-704.
- [Protective effect of breastfeeding on the adverse health effects induced by air pollution: current evidence and possible mechanisms.](#) Zielinska MA, Hamulka J. *Int J Environ Res Public Health.* 2019 Oct 29;16(21).
- [Ambient air pollution and clinical implications for susceptible populations.](#) Hooper LG, Kaufman JD. *Ann Am Thorac Soc.* 2018 Apr;15(Suppl 2):S64-S8.
- [Assessing the impact of air pollution on childhood asthma morbidity: how, when, and what to do.](#) Burbank AJ, Peden DB. *Curr Opin Allergy Clin Immunol.* 2018 Apr;18(2):124-31.
- [Occupational heat stress assessment and protective strategies in the context of climate change.](#) Gao C, Kuklane K, Östergren PO, Kjellstrom T. *Int J Biometeorol.* 2018 Mar;62(3):359-71.
- [Pollution and respiratory disease: can diet or supplements help? A review.](#) Whyand T, Hurst JR, Beckles M, Caplin ME. *Respir Res.* 2018 May 2;19(1):79.
- [Responsibilities of the occupational and environmental medicine provider in the treatment and prevention of climate change-related health problems.](#) Perkison WB, Kearney GD, Saberi P, et al. *J Occup Environ Med.* 2018 Feb;60(2):e76-e81.

Selected viewpoints and commentaries

- [Stockholm+50: what does it mean for global health?](#) Willetts L. *Lancet Planetary Health.* 2022;6(5):E388-90.
- [Introduction of the surgical providers assessment and response to climate change \(SPARC2\) tool: one small step toward reducing the carbon footprint of surgical care.](#) Ewbank C, Stewart B, Bruns B, et al. *Ann Surg.* 2021 Apr 1;273(4):e135-e7.
- [Planetary health care: a framework for sustainable health systems.](#) MacNeill AJ, McGain F, Sherman JD. *Lancet Planet Health.* 2021 Feb;5(2):e66-e8.
- [COVID-19, climate change, and the American Thoracic Society. A shared responsibility.](#) Shankar HM, Ewart G, Garcia E, Hicks A, Hardie W. *Ann Am Thorac Soc.* 2020 Sep;17(9):1052-5.
- [A pledge for planetary health to unite health professionals in the anthropocene.](#) Wabnitz KJ, Gabrysch S, Guinto R, et al. *Lancet.* 2020 Nov 7;396(10261):1471-3.
- [Adapting to the effects of climate change in the practice of dermatology-a call to action.](#) Coates SJ, McCalmont TH, Williams ML. *JAMA Dermatol.* 2019 Apr 1;155(4):415-6.
- [Interventions to reduce personal exposures to air pollution: a primer for health care providers.](#) Bard RL, Ijaz MK, Zhang JJ, et al. *Glob Heart.* 2019 Mar;14(1):47-60.
- [Larger than life: injecting hope into the planetary health paradigm.](#) Prescott SL, Logan AC. *Challenges.* 2018;9(1):13.

Online resources

- [Extreme heat and human mortality: a review of heat-related deaths in B.C. in summer 2021](#). Egilson M, et al, 2022.
- Publications – healthy living: [air quality](#) and [climate change and health](#). Health Canada. 2022.
- [Canadian centre for climate services](#). Government of Canada. 2021.
- [Emergency management guidebook for health care clinics](#) and [Emergency management workbook for health care clinics](#). Thompson Region Division of Family Practice, Kootenay Boundary Division of Family Practice, [2021].
 - To look for similar documents from other BC regions, go to the website of the [Divisions of Family Practice](#), and hover over "Divisions in BC" in the top menu. Select your region, and look for a link to Resources. Please note: availability varies.
- [Message from the BC coroners service re: heat-related deaths](#). Baidwan J, 2021.
- [Heat response plans: summary of evidence and strategies for collaboration and implementation](#). National Center for Environmental Health (U.S.). Division of Environmental Hazards and Health Effects. Climate and Health Program., 2020.
- [Evidence on public health interventions to prevent the negative health effects of climate change](#). Anderson H, Brown C, Cameron LL, et al, 2017.
- [Use of cooling centers to prevent heat-related illness: summary of evidence and strategies for implementation](#). Widerynski S, Schramm PJ, Conlon KC, et al, 2017.
- [Climate change and health](#). Canadian Medical Association, [n.d.].
- [Climate change \[NEJM group series\]](#). New England Journal of Medicine. [n.d.].
- [Global warming of 1.5 °c](#). Intergovernmental Panel on Climate Change, [n.d.].
- [Health emergency response and personal preparedness](#). Government of British Columbia, [n.d.].
- [PaRx: a prescription for nature](#). BC Parks Foundation, [n.d.]

Print book chapters

College registrants with library services may borrow any of the following books, which can be sent via mail including free return postage. One chapter of any book may be scanned and emailed. Contact the library by email (medlib@cpsbc.ca) or [web form](#) to request a book or chapter. If you have more than one address on file with the College, be sure to indicate where you would like the book to be sent.

- **Chapter 3, Preparation for disasters in remote places.** Norman N, Page G. In: Norman N, Valentine MJ, editors. [Remote medicine: a textbook for trainee and established remote healthcare practitioners](#), 2020. p. 53.
- **Chapter 22, Occupational medicine and environmental health in the tropics.** Russi M. In: Katz DL, et al. [Jekel's epidemiology, biostatistics, preventive medicine, and public health](#), 2020. p. 313.
- **Chapter 26, Environmental health hazards in the tropics.** Fang SC, Rodrigues EG, Christiani DC. In: Ryan ET, et al, editors. [Hunter's tropical medicine and emergent infectious diseases](#), 10th ed., 2020. p. 200.

- **Chapter 27, Disaster epidemiology and surveillance.** Degutis LC. In: Katz DL, et al. [Jekel's epidemiology, biostatistics, preventive medicine, and public health](#), 2020. p. 384.
- **Chapter 29, The health care response to disasters, complex emergencies, and population displacement.** DeFraités RF et al. In: Ryan ET, et al, editors. [Hunter's tropical medicine and emergencing infectious diseases](#), 10th ed., 2020. p. 219.
- **Chapter 30, Integrating efforts for clinical care, research, and public health action – one science, one planet, one health.** In: Katz DL, et al. [Jekel's epidemiology, biostatistics, preventive medicine, and public health](#), 2020. p. 423.
- **Chapter 4, Emerging and re-emerging pathogens and diseases, and health consequences of a changing climate.** Polgreen PM, Polgreen EL. In: Cohen J, Powderly WG, Opal SM, editors. [Infectious diseases](#), 4th ed., 2017. p. 40.

Looking for something more specific? College registrants with library services can ask for a literature search on a planetary health-related topic via the [literature search web form](#) or medlib@cpsbc.ca. Questions on topics other than planetary health are also welcome!