iac

innovation advisory committee

planetary and global health

vision

Nurses are leading innovation in healthcare, increasing access to primary care and wellness through creative delivery platforms and through the measurable improvements in health equity and social determinants of health globally, these wins are drawing significant investment into grass roots organizations that are led by communities of color, and nursing and healthcare can rapidly adapt and respond to the complex challenges facing patients, communities and our sector.

Nurses, practicing as global citizens with a planetary health lens are advancing climate justice and health equity through policy, practice, research, and education. In addition to being evident in the values and statements of professional organizations, this change is most evident in both the existence of a successful nursing workforce that is as diverse as the individuals it serves, and in the dramatic improvements in health equity observed from restorative and reparative health delivery models and practices.

Committee Members

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contents

In compiling these innovation resources our goal was to ensure unique information across all eight resource guides and to avoid redundancy. You may find additional content around **Planetary & Global Health** in the general resource guide. We thank the Planetary & Global Health committee for contributing content to advance nurse-led innovation.

iac policy determinants of health

general resources

General Resources

- ANA 2023 Position Statement on Global Climate Change [pdf]
- ADD ANA Infographic Climate Change Affects Human and Planetary Health [website]
- Planetary Health Education Framework [website]
- The Nine Planetary Health Boundaries [website]

Climate + Health Care Delivery

- AHR Primer Reducing Healthcare Carbon Emissions [website]
- Climate Impact Checkup [website]
- Climate Resilience for Frontline Clinics Toolkit [website]
- Comparison chart of hospital green teams and their structure [article]
- Delivering a Net Zero National Health Service [pdf]
- Global Road Map for Health Care Decarbonization [website]
- Healthcare's Climate Footprint [website]
- Healthcare Pollution and Public Health Damage in the United States [website]
- Health Care Without Harm Climate Series: Path to Climate-smart, Net-zero Emissions Health Care A Grand Rounds Series [events and recordings]
- It's impossible to have healthy people on a sick planet [video]
- Neighborhoods at Risk [website]

Climate + Nursing

- A CLIMATE: A Tool for Assessment of Climate-Change-Related Health Consequences in the Emergency Department [article]
- CLIMATE CHANGE AND RENAL HEALTH Awareness and Education Toolkit For Healthcare Providers [article]
- Climate, Health and Nursing Tool [website]
- Critical Environmental Justice Nursing for Planetary Health: A Guiding Framework [article]
- Defining Climate Justice in Nursing for Public and Planetary Health [website]
- Exclusive: ICD Coding and Climate-Related Psychiatry [article]
- How to support patients/communities in disaster preparedness [website]
- Incorporating environmental health data into your nursing assessment [website]

general resources

Climate + Nursing

- ICD-10-CM Diagnosis Codes [website]
- Improving Assessments of Connection to Nature: A Participatory Approach [article]
- Nursing and Sustainable Development: Furthering the Global Agenda in Uncertain Times [article]
- Nursing's pivotal role in global climate action [article]
- Taking an Exposure History [article]
- Your Medical History Might Someday Include 'Climate Change' [article]

Environmental Health and Nursing

- Alliances of Nurses for Health Environments
  - Environmental Health Nurse Fellowship [website]
  - Incorporating environmental health data into your nursing assessment [website]
- Critical Environmental Justice Nursing for Planetary Health: A guiding framework [article]
- Nursing Strategies for environmental justice: A scoping review [article]
- Nurses Heal Environmental Injustice Through Community Partnerships [article]
- How to Conduct a GHG Emission Inventory for Your Organization [website]
- How the Non-Work Environment Can Affect Worker and Family Health [article]
- Working with an environmental justice community: Nurse observation, assessment, and intervention [article]

Healthcare Organizations Climate + Assessments

- How to Address Healthcare's Climate Emergency [article]
- How to Conduct a GHG Emission Inventory for Your Organization [website]
- How the US Health Care System Contributes to Climate Change [article]
- Practice Greenhealth Tools and Resources [website]
- Planetary Health Nursing [article]
- The Planet is Our Patient [podcast]
- Redesigning healthcare: Global insights for nurses [article]

iac planetary + global health

general resources

Planetary and Global Health Nursing

- Improving Assessments of Connections to Nature: A participatory approach [article]
- Nursing and Sustainable Development: Furthering the Global Agenda in Uncertain Times [article]
- Planetary Health: The Next Frontier in Nursing Education [article]
- Planetary Health: An Essential Framework for Nursing Education and Practice [article]

Your Call To Action

- Call for Emergency Action to Limit Global Temperature Increases, Restore Biodiversity, and Protect Health [article]
- Climate Action Guide for Nurses [pdf]
- Climate Solutions at Work [article]
- Decarbonizing the U.S. Health Sector: A Call to Action [article]
- Everything's collapsing: Why now is the perfect time for planetary action [podcast]
- Freedom Community Clinic [website]
- HHS Launches 2022 Pledge Initiative to Mobilize Health Sector to Reduce Emissions [website]
- How to start an All We Can Save Circle where you work [article]
- Identify your role in climate action [video]
- National Academy of Medicine Action Collaborative on Decarbonizing the Health Sector [article]
- Planetary Health and the Role of Nursing: A Call to Action [article]
- The Public Health Crisis is Planetary - And Nursing is Crucial to Addressing It [article]
- Weaving Traditional Ecological Knowledge into Biological Education: A Call to Action [article]

government

Government

- CDC Climate information on Health [website]
- CDC and Prevention Exposome and Exposomics [website]
- Federal Sustainability Plan [website]
- Green Climate Fund [website]
- Mayors' Sustainable Cities [website]
- Office of the Federal Chief Sustainability Officer [website]
- Office of Climate Change and Health Equity (OCCHE) [website]
- United Nations Environment Programme [website]
- United Nations Framework Convention on Climate Change (UNFCCC) [website]
- United Nations Sustainable Development Goals [website]
- US Environmental Protection Agency [website]
- WHO: Working for Health 2020-2030 Action plan [website]
- WHO Commercial determinants of health [website]
- WHO Environmentally Sustainable Health Care Facilities [website]
- World Bank [website]

legislation + policy

Legislation + Policy

- Climate Policy and Politics Presentation with Yale Policy Lab [video]
- CT State Next Generation Science Standards - Require Climate Change Education [article]
- Combining climate, economic, and social policy builds public support for climate action in the US [article]
- COP28 UAE Declaration on Climate and Health [article]
- Decarbonization Policy Guide [podcast]
- Executive Action on Climate To Address Extreme Heat & Wind Energy [fact sheet]
- Executive Order on the Implementation of the Energy Infrastructure Provisions of the Inflation Reduction Act [article]
- UNFCCC
  - Key Policy Takeaways from COP27 [website]
  - Paris Agreement [website]
- State Climate Policy Maps [website]
- US Climate Action Policy Tracker [website]

universities + academia

Universities and Academia

- George Mason University Center for Climate Change Communication [website]
- Nurses Climate Challenge: School of Nursing Commitment [website]
- Penn State School of Nursing [website]
- Penn State Sustainability Institute [website]
- Stanford Doerr School of Sustainability [website]
- University of Maryland School of Nursing [website]
- University of Massachusetts Amherst School of Earth and Sustainability [website]
- University of Minnesota School of Nursing Planetary Health [website]
- University of Wisconsin-Madison Planetary Health & Justice Initiative [website]
- Vanderbilt University's Climate, Health, and Energy Equity Lab [website]
- Yale School of Nursing Office of Global Affairs and Planetary Health [website] [website]

businesses + philanthropy

Businesses, Non-Profits, and Programs

- National Academy of Medicine Action Collaborative on Decarbonizing the U.S. Health Sector [website]
- The Center for Climate Change, Climate Justice, and Health at MGH Institute of Health Professions [website]

Philanthropy

- Bill and Melinda Gates Foundation [website]
- Bloomberg Philanthropies [website]
- Climateworks Foundation [website]
- Commonwealth Fund [website]
- Gordon and Betty Moore Foundation [website]
- Kresge Foundation [website]
- Rockefeller Foundation [website]
- Tennessee Weatherization Assistance Program [website]

organizations + conferences

Organizations

- American Holistic Nurses Association (AHNA) Planetary Health Task Force [website]
- Alliance of Nurses for Healthy Environments (ANHE) [website]
- Canadian Association of Nurses for the Environment [website]
- Center for Nature and Health [website]
- Center for Sustainable Healthcare [website]
- Global Climate and Health Alliance [website]
- Global Consortium on Climate and Health Education [website]
- Harvard T. H. Chan School of Public Health [website]
- Intergovernmental Panel on Climate Change (IPCC) [website]
- International Council of Nurses [website]
- Partners in Health [website]
- Project Drawdown [website]

Conferences

- AHNA conference [website]
- CleanMed [website]
- COP UN Climate Summit [website]
- COP 15/Biodiversity Conference [website]
- GreenBuild Conference [website]
- Healthy Kitchens, Healthy Lives [website]
- Planetary Health Alliance Annual Meeting [website]

education + training

Education and Training

- All We Can Save [website]
- ANHE Education Forum [website]
- Coursera: Planetary Health for Nurses [website]
- Do Lessons in Nature Boost Subsequent Classroom Engagement? Global Consortium on Climate and Health Education [website]
- External climate change. . . Internal physiologic evolution [article]
- Health in Harmony: Planetary Health in Action Course [website]
- Hope, Health, and the Climate Crisis [article]
- International Family Nursing Association Top Ten Resources for Teaching Future Nurses about Planetary Health [website]
- Let's Talk Climate: Communication Guidance for Health Professionals [pdf]
- National Institute of Environmental Health Sciences (NIEHS) Climate Change and Human Health Lesson Plans [website]
- Nurses Climate Challenge [website]
- Planetary Health Case Studies: An Anthology of Solutions [website]
- Planetary Health Report Card [website]
- The Journal of Climate Change and Health [journal]
- The Planetary Health Education Framework [article]
- The Relational Work of Systems Change [website]
- Refueling Students in Flight [article]
- Room to Heal [website]
- Transforming curriculum using the Planetary Health Education Framework: A case study from nursing [poster]

jedi

JEDI (Justice, Equity, Diversity, Inclusion)

- America's Most Destructive Habit [article]
- An Episode on Climate Justice & Queer and Trans Liberation [podcast]
- Confronting Racial and Economic Disparities in the Destruction and Protection of Nature in America [article]
- COP26 and False Solutions to Climate Change [website]
- Coronavirus and Climate Change [website]
- COVID-19 and Climate Change: Crises of Structural Racism [article]
- Environmental Justice is Racial Justice: The Whitewashing of the Environmental Movement [website]
- Failing to address racism: A commentary on "From Florence to Fossil Fuels Nursing Has Always Been About Environmental Health" [article]
- Illuminating Antiracist Pedagogy in Nursing Education [article]
- Indigenous perspective n education for sustainable healthcare [article]
- Indigenous & Tribal Sovereignty Policy Stances and Priorities [website]
- Malala Fund Publishes Report on Climate Change and Girls' Education [website]
- Mapping Survival [video]
- Molecular decolonization: An indigenous microcosm perspective of planetary health [article]
- Native Perspectives on Sustainability: Dennis Martinez (O'odham/Chicano/Anglo) [article]
- None Of Us Is Free Until All of Us Are Free [website]
- Nurses promoting inclusive, safe, resilient, and sustainable cities and communities: Taking action on COVID-19, systemic racism, and climate change [article]
- Nursing With the People: Reimagining Futures for Nursing [book]
- One Health of Peripheries: Biopolitics, Social Determination, and Field of Praxis [article]
- Paul Farmer Believed Global Health and Health Equity Were About Teamwork [article]
- Placed Here, In This Calling [website]
- The Determinants of Planetary Health: an Indigenous Consensus Perspective [article]

jedi

JEDI (cont.)

- The Interconnectedness of People and Planet [case study]
- Two-Eyed Seeing and other lessons learned within a co-learning journey of bringing together indigenous and mainstream knowledges and ways of knowing [article]
- UMN School of Nursing Planetary Health Guest Lecture: Indigenous Perspectives on Planetary Health [video]
- We Have Never Been Nurses Nursing in the Anthropocene, Undoing the Capitalocene [article]
- What Conservation Efforts Can Learn from Indigenous Communities [article]

journals + textbooks

Journals, Publications + Literature Search

- Creative Nursing – Promoting Planetary Health [book]
- Journal of Climate Change & Health [website]
- Lancet Commission on Planetary Health: Safeguarding Human Health [website]
- Planetary Health Literature Search [website]

Textbooks

- A New Era in Global Health [book]
- Alliance of Nurses for Healthy Environments (ANHE) Environmental Health Nursing Textbook [book]
- United Nations Declaration on the Rights of Indigenous Peoples [book]

articles + research

Air

- Association Between Extreme Temperatures and Cardiovascular Cause-Specific Mortality: Results From 27 Countries [Article]
- Association of Air Pollution and Heat Exposure With Preterm Birth, Low Birth Weight, and Stillbirth in the US [article]
- Association Between COVID-19, Air Pollution, and Climate Change [article]
- Climate Change and Health Outcomes: Hydration Interventions Among Agricultural Workers: A Pilot Study [Article]
- Environmental Defense Fund Clean air initiatives [website]
- Global Estimate of Mortality Associated with Long Term Exposure to Outdoor Fine Particulate Matter [Article]
- Health Care Pollution And Public Health Damage In The United States: An Update [article]
- Mapping Cancer-Causing Industrial Air Pollution [article]
- World Health Organization: Air pollution [website]

Climate Change and Health Outcomes

- Climate change and influenza: A scoping review [article]
- Climate change and cancer [article]
- Climate Change and Health at COP27 [website]
- COP26: Looking forward from Glasgow by placing health at the center of climate action [article]
- Cradle to grave: The health harms of fossil fuel dependence and the case or a just phase-out [pdf]
- Impact of extreme weather events on Sub-Saharan African child and adolescent mental health: The implications of a systematic review of sparse research findings [article]
- Increased pulmonary circulatory disease diagnosis risk associated with heatwave [article]
- Measuring The Impact Of Air Pollution On Health Care Costs [article]
- Meteorological linkage of Malaria cases in the eastern state of India [article]
- The 2022 report of the Lancet Countdown on health and climate change: health at the mercy of fossil fuels [article]
- Nursing's pivotal role in global climate action [article]

articles + research

Climate Change and Health Outcomes

- When disaster strikes: The role of disaster planning and management in cancer care delivery [article]
- The Future of Nursing 2020-2030 [report]
- The planet is the patient now: how doctors and nurses are the front-line solution to climate change [article]

Climate and Planetary Solutions

- Assessing the Human Health Benefits of Climate Mitigation, Pollution Prevention and Biodi-versity Preservation [article]
- Drawdown solutions library [website]
- Improving rural health care reduces illegal logging and conserves carbon in a tropical forest [article]
- Malala Fund—Climate Change and Educational Equity [report]
- Net zero America decarbonization study [website]
- Regenerative organic agriculture and climate change [pdf]
- Rodale institute soil health and farming research [website]
- The Imperative for Climate Action to Protect Health [article]
- The role of Indigenous peoples and local communities in effective and equitable conversation [article]
- The ozone layer is slowly, but surely, healing [article]

Ecological Footprint/Identity

- Beyond the Slogans: Understanding the Ecological Consciousness of Nurses to Advance Ecological Knowledge and Practice [article]
- Building Kincentric Awareness in Planetary Health Education: A Rapid Evidence Review [article]
- Ecological Footprint Calculator [website]
- The planet is the patient now; how doctors and nurses are the front-line solution to climate change [article]
- Traditional knowledge guides protection of planetary health in Finland [article]
- Researchers hope to mobilize nurses to help tackle climate change [article]
- When land is under pressure health is under stress [article]

iac planetary + global health

articles + research

Environmental Exposures and Health Outcomes

- Effects of microplastics on fish and human health [article]
- High risk groups and sources of PFAS [website]
- PFAS and Health [article]

Healthcare Sustainability

- Comparative Life Cycle Assessment Between Single-Use and Reprocessed IPC Sleeves [article]
- Environmental Foot Print of Regular and Intensive Inpatient Care in a Large US Hospital [article]
- Improving Environmental Sustainability of Intensive Care Units: A Mini Review [article]
- The Environmental Footprint of Health Care: A Global Assessment [article]

Nature + Health

- Ecopsychology: How Immersion in Nature Benefits Your Health [article]
- EmotiPlant: Human-Plant Interaction for Older Adults [article]
- Evidence Supporting Enhanced Action on Connecting People With Nature [article]
- Minimum Time Dose in Nature to Positively Impact the Mental Health of College Aged Students, and How to Measure It: A Scoping Review [article]
- Nature Contact and Human Health: A Research Agenda [article]
- Nature's Role in Outdoor Therapies: An Umbrella Review [article]
- People With Dementia Can Work on Farms in Holland [article]
- Prescribing Nature: A Physician's Perspective on Wellness and the Outdoors [blog]
- The Healing Power of Nature [article]
- The physiological and psychosocial effects of forest therapy: A systematic review [website]
- Understanding the impacts of care farms on health and well-being of disadvantaged populations: a protocol of the Evaluating Community Orders (ECO) pilot study [article]
- What are the Benefits of Interacting with Nature? [article]
- What is the Best Dose of Nature and Green Exercise for Improving Mental Health?A Multi-Study Analysis [article]

interprofessional

Interprofessional

- Clinicians for Planetary Health (C4PH) [website]
- Climate for Health [website]
- Integrating planetary health into clinical guidelines to sustainably transform health care [article]
- Nutrition Facts – Dr. Michael Greger [website]
- WHO Initiative, Alliance for Transformative Action on Climate and Health [website]
- Roles of health professionals in addressing health consequences of climate change in interprofessional education: A scoping review [article]

transdisciplinary

Transdisciplinary

- Blue Zones [website]
- Chickasaw Nation – Tribal Leadership on Climate Solutions: April Taylor, GISP [website]
- Climate Justice Alliance [website]
- Deep Medicine Circle [website]
- EcoAmerica [website]
- Global Carbon Project [website]
- Greenroots [website]
- Green Wave [website]
- Indigenous Environmental Network [website]
- International Union for Conservation of Nature [website]
- Menus of Change [website]
- The Richmond Listening Project [website]
- Teaching Kitchens [website]
- WE ACT [website]

person, patient, families

Person, Patient, Families

- Climate and planetary health patient education resources [website]
- Educating patients and communities on climate and health [website]
- Educating patients and communities on nature and health [website]
- Helping patients and families prepare for disasters [website]
- Joy Is The Justice We Give Ourselves [website]
- What If We Get This Right? [article]

Faq's

Q: Is planetary health a new term?

A: Planetary health is a new term emerging as both a field and a social movement to recognize the ways human activity is disrupting Earth's natural systems and to address this disruption with solutions that are good for the health of humans and the planet. You may have heard of other related terms that have been around longer, like global health, environmental health, one health and ecosystem health. Planetary health shares many similarities with these terms and in fact serves to merge their concepts together in one comprehensive framework. While planetary health itself may be a relatively new term, Indigenous Peoples have deeply understood and stewarded the interconnectedness of people and the environment for millennia. Yet Indigenous peoples, alongside Black and brown, poor, and island communities, as well as non-human species and future generations, disproportionately bear the burden of our planetary crises. Learn more about Indigenous perspectives on advancing planetary health in this [video].

Q: What is the difference between planetary health and global health?

A: Global health describes human population health on a global scale and focuses particularly on health improvement in all the world's nations whereas planetary health describes the health of humanity globally _and_ the health of the natural planetary systems on which it depends.

Q: Are planetary health and climate change the same thing?

A: Planetary health describes the relationship between human health and the health of the planet's natural systems. The Earth's climate is just one of those natural life-support systems critical to the healthy functioning of life on this planet. Other important natural systems include the ozone layer, our land and ocean systems, freshwater, and our biosphere, the many species that make up life on Earth. Climate change is one part of the problem driving our planetary health crises and climate action is one part of the solution towards promoting planetary health.

Faq's

NURSING AND PLANETARY HEALTH

Q: How is human health connected to the health of the planet?

A: To quote the World Health Organization (2022), "Our environment provides the fundamental requirements for life, clean air and water, safe food, and shelter. Nature is both the origin of infectious and vector-borne diseases and the source of medicines, including many antibiotics," (para. 3). [Website]

Q: How can I incorporate planetary health into my clinical nursing practice?

A: At the core of nursing is the understanding that the environment, in all its forms, is an essential partner in human health. A planetary health nurse in clinical practice, for example, can use the nursing process as a guide:

Assess: Assess the whole person and their social and environmental contexts

Example: *How does my patient's access to green space affect their mental health and well-being?*

Diagnose: Develop a holistic nursing diagnosis

Example: *Impaired coping due to Nature deprivation*

Plan: Co-create a plan with the patient that addresses how the environment impacts health and utilizes Nature as a partner in healing

Example: *How might we "prescribe" Nature as part of the care plan?*

Implement: Implement action steps that consider the health co-benefits of low-carbon, climate-smart, sustainable health care

Example: *How can I practice awareness of the medications and supplies prescribed as part of this patient's plan of care to reduce waste, dispose of it ap-propriately and minimize the environmental footprint of this care?*

Evaluate: Evaluate care plan effectiveness to promote health and well-being for the patient and their environment

Example: *How can I integrate more holistic metrics of health including and beyond clinical outcomes? (Time outside, high or low air quality days, access to clean water)*

Faq's

Q: I want to teach planetary health in the classroom with my nursing students. What resources are available?

A: Here are a few places to start:

- Planetary Health Alliance

    ○ What is Planetary Health?   [Website]

    ○ Planetary Health Education Framework [Website]

    ○ Planetary Health Education Resource Compilation [Website]

- Alliance of Nurses for Healthy Environments (ANHE)

    ○ Environmental Health in Nursing E-Textbook [Website]

- Project Drawdown

    ○ Climate Solutions 101 Video Series [Website]

- Planetary Health Report Card (PHRC)

    ○ Nursing PHRC [Website]

- ANA Innovations Advisory Committee on Planetary and Global Health [Guide]

Faq's

Q: I want to do research in global and planetary health. What funding sources are available?

A: Note that funding sources periodically change. Here are a few places to start:

- Burroughs Welcome Fund

- Bill and Melinda Gates Foundation

- Stanford Woods Institute for the Environment: Healthy Planet, Healthy People Early Career Research Awards

- University of Massachusetts Amherst, School of Earth and Sustainability: Sustainability Seed Grant Funding

- NIH Climate Change and Health Initiative

- The Rockefeller Foundation Planetary Health Initiative

Faq's

Q: I want to innovate or become an entrepreneur in global and planetary health. Where should I start?

A: To begin innovating in planetary health and embark on an entrepreneurial journey, focus on three key steps. First, identify pressing environmental challenges and their potential solutions. Next, assemble a diverse team with expertise in sustainability, technology, and business. Lastly, leverage resources like research grants, incubators, and partnerships to develop and scale impactful solutions, prioritizing the well-being of our planet and its inhabitants.

Q: I want to understand more about planetary health and health policy. Where would I start?

A: There are several resources available for exploring and discussing planetary health and health policy. Here are a few:

1. Academic Journals: Publications like The Lancet Planetary Health, Environmental Health Perspectives, and Global Health Governance provide scholarly articles on various aspects of planetary health and health policy.

2. Research Organizations: Institutions such as the Planetary Health Alliance, World Health Organization (WHO), and Centers for Disease Control and Prevention (D) conduct research, publish reports, and host events to discuss planetary health and health policy.

3. Conferences and Events: Participating in conferences and events like the Planetary Health Annual Meeting, World Health Summit, and Global Conference on Health and Climate Change offers opportunities to engage with experts and learn about the latest developments in the field.

4. Online Platforms: Websites like the World Bank's Planetary Health website, WHO's Climate and Health website, and the Planetary Health Alliance provide resources, reports, and articles to increase understanding and foster discussions on planetary health and health policy.

5. Policy Think Tanks: Organizations such as the Brookings Institution, RAND Corporation, and Chatham House often produce research papers and policy briefs on global health, planetary health and health policy.

Remember to explore local universities, research institutes, and government agencies, as they may also provide resources, seminars, and forums for discussing planetary health and health policy in your specific region.

iac planetary + global health

Faq's

Q: I want to become more active in climate action and other planetary health solutions. Where should I start?

A: There are many opportunities available for nurses to get involved in improving the health of our planet.

- ANA Position Statement: Nurses' Role in Addressing Global Climate Change, Climate Justice and Health [Website]

- Clinicians for Planetary Health [Website]

- Nurses Drawdown [Website]

- Nurses Climate Challenge [Website]

- Project Drawdowns Climate Solution Library [Website]

- Alliance of Nurses for Healthy Environments (ANHE) [Website]

- National Academy of Medicine Action Collaborative on Decarbonizing the U.S. Health Sector [Website]

Local health departments/municipalities and some states have climatologists/ environmental health offices/officers to connect with- or maybe that could be you!

Start locally and investigate the major impacts of climate change and environmental degradation on the health and wellbeing of individuals, families and communities in your region. Planetary health does not have one "cookie cutter" solution and differs from place to place depending on geography, population, culture and available resources. For nurses looking to get involved in climate action, a good place to start understanding climate-related problems of your region is the CDC's Climate Change and Health [Website].

Additionally, check back on the ANA Innovation website for future opportunities to join the Planetary and Global Health Committee and advocate for the health of people and the planet!

definitions

Term	Definition
Adaptation	"Taking action to prepare for and adjust to both the current and projected impacts of climate change" [Environmental Protection Agency, 2021]
Anthropogenic Climate Change	The human impact on Earth's climate caused by "the amount of fossil fuels burned, aerosols released and land alteration from agriculture and deforestation," [University of Calgary, n.d.]
Carbon Emissions	The release of greenhouse gases (CO2, methane, nitrous oxide, fluorinated gases) into the atmosphere stemming from the burning of fossil fuels [Environmental Protection Agency, 2016]
Carbon Offsets	An action intended to compensate for the emission of carbon dioxide into the atmosphere as a result of industrial or other human activity, especially when quantified and traded as part of a commercial program [definition by Oxford Languages]
Climate Justice	"Climate justice" is a term, and more than that a movement, that acknowledges climate change can have differing social, economic, public health, and other adverse impacts on underprivileged populations [website]
Commercial Determinants of Health	Commercial determinants of health (CDoH) are the private sector activities impacting public health, either positively or negatively, and the enabling political economic systems and norms. [WHO]
Decolonizing Global Health	"To remove all forms of supremacy within all spaces of global health practice, within countries, between countries, and at the global level," Abimbola & Pai, 2020]

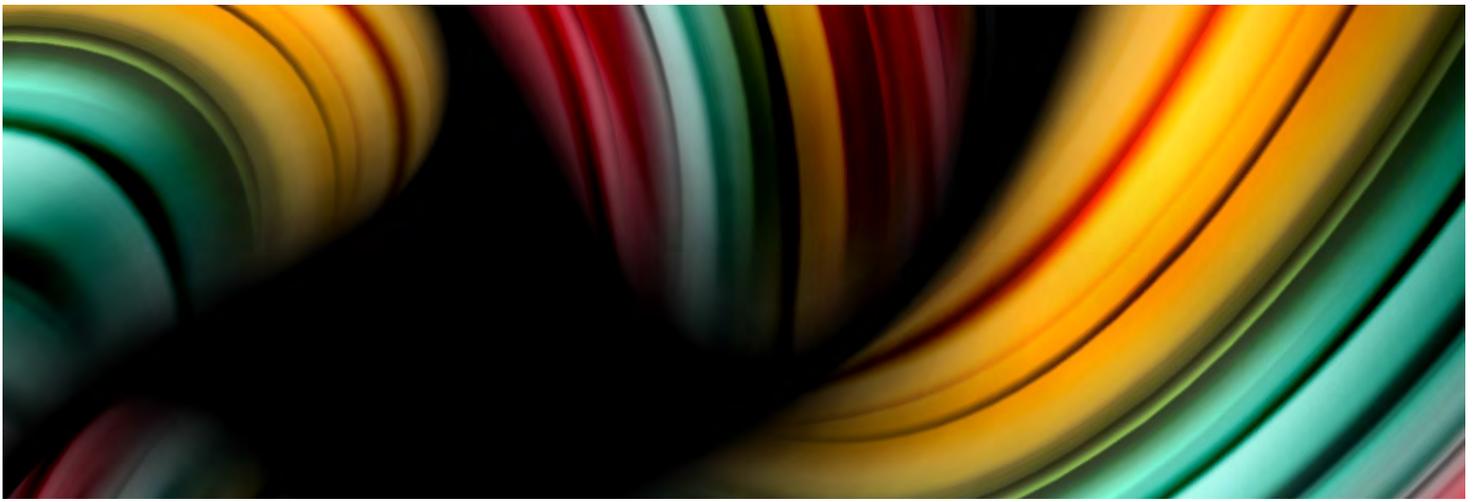| Term	Definition
Mitigation	"Efforts to reduce or prevent emissions of greenhouse gases," [United Nations Environment Programme, n.d
Planetary Health	"The health of human civilization and the state of natural systems on which it depends," [Whitmee et al., 2015]
Planetary Boundaries	"A set of 9 planetary boundaries within which humanity can continue to develop and thrive for generations to come," [Stockholm Resilience Center, n.d.] "Crossing these boundaries increases the risk of generating large-scale abrupt or irreversible environmental changes," [Stockholm Resilience Center, n.d.] - Stratospheric ozone depletion - Biodiversity loss and extinctions - Chemical pollution and the loss of novel entities - Climate change - Ocean acidification - Freshwater consumption - Land system change - Nitrogen and phosphorous flows - Atmospheric aerosol loading
Sustainable Development Goals (SDGs)	17 global goals "adopted by the UN in 2015 as a universal call to action to end poverty, protect the planet and ensure that by 2030 all people enjoy peace and prosperity," [United Nations Development Programme, 2022]
Sustainable Food Systems	"A sustainable food system (SFS) is a food system that delivers food security and nutrition for all in such a way that the economic, social and environmental bases to generate food security and nutrition for future generations are not compromised." [Article]

iac policy determinants of health

Historical Committee Members

Carol Ziegler, DNP, APRN, NP-C, APHN-BC [LinkedIn]

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planetary + global health

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