

idc

innovation advisory committee

planetary and
global health

ANA Innovation Advisory Committee

PLANETARY & GLOBAL HEALTH

www.nursingworld.org/innovation

1%

of the global population breathes healthy air, with air pollution causing 6.7 million deaths annually air (UICC)¹



6/9

of the planetary boundaries identified as safe for humanity have been crossed (Mongabay)²

68%

decline of worldwide wildlife populations on average since 1970 (World Wildlife Fund)³



80%

of people displaced by climate change are women (UNHR OHCR)⁶

1.5°C

is the global temperature rise ceiling to avoid catastrophic climate warming (Intergovernmental Panel on Climate Change)⁷

1K-10K

times higher rate of extinction today than the natural extinction rate (World Economic Forum)⁴

5g

of plastic is the average amount of plastic a person could ingest weekly (World Wildlife Fund)⁵

5%

of the world's indigenous population stewards 80% of the world's biodiversity (World Wildlife Fund)⁸

45%

of greenhouse gas emissions must be reduced by 2030 to reach net zero by 2050 (United Nations)⁹

¹ <https://www.uicc.org/news/air-pollution-existential-crisis-reversing-progress-made-cancer-control> ; <https://www.nursingworld.org/organizational-programs/magnet/> | ² <https://news.mongabay.com/2023/11/beyond-climate-oil-gas-and-coal-are-destabilizing-all-9-planetary-boundaries/> | ³ <https://www.worldwildlife.org/magazine/issues/summer-2021/articles/a-warning-sign-where-biodiversity-loss-is-happening-around-the-world#:~:text=A%20warning%20sign%3A%20where%20biodiversity%20loss%20is%20happening%20around%20the%20world,-issue%3A%20Summer%202021&text=WWF's%202020%20Living%20Planet%20Report,and%20amphibian%20populations%20since%201970> | ⁴ <https://www.weforum.org/agenda/2023/02/how-to-stop-sixth-extinction-crisis/#:~:text=Nature%20and%20Biodiversity,Follow&text=The%20environment%20around%20us%20is,is%20the%20sixth%20extinction%20crisis> | ⁵ https://www.panda.org/wwf_news/7348337/Revealed-plastic-ingestion-by-people-could-be-equating-to-a-credit-card-a-week | ⁶ <https://www.ohchr.org/en/stories/2022/07/climate-change-exacerbates-violence-against-women-and-girls#:~:text=It%20is%20estimated%20that%2080,High%20Commissioner%20for%20Human%20Rights> | ⁷ <https://www.ipcc.ch/sr15/> | ⁸ <https://www.worldwildlife.org/stories/recognizing-indigenous-peoples-land-interests-is-critical-for-people-and-nature> | ⁹ <https://www.un.org/en/climatechange/net-zero-coalition>

8.5%

of overall greenhouse gas emission are created by the U.S. health sector (The Commonwealth Fund)¹



1/3

of people around the world lack access to essential health services (World Bank)²

57%

of animal-based food, including feed production are linked to greenhouse gas emissions (AHRQ)³



3

areas of climate solution focus in the health sector: what we do, what we burn, and what we buy (See You Now Podcast)⁶

79%

of Black Americans are more likely than White Americans to live in areas with high industrial pollution (Climate Reality Project)⁷

92%

of countries experienced disruption of essential health services during the COVID-19 pandemic (World Health Organization)⁴

2B

people are experiencing catastrophic or impoverishing health expenditures (World Health Organization)⁵



2x

more Black and Latinx households go without functional water or wastewater compared to white households (The Lancet)⁸

1 in 5

people have experienced at least one form of discrimination prohibited under international human rights law (United Nations)¹



24M

learners are at risk of never returning to school (United Nations)²



700M+

of people live in countries with high and critical levels of water stress (United Nations)⁶

99%

of the world's urban populations breathe polluted air (United Nations)⁷

22.7M

children missed basic vaccines in 2020 (United Nations)⁵

1 in 3

people worldwide lack access to adequate food (United Nations)³



1/2

of all women lack access to make their own decisions on sex and reproductive health care (United Nations)⁴

30M

nurses globally could be the projected nursing workforce shortage by the International Council of Nurses (ICN)⁸

Increased access to high quality education and family planning for women and girls doubles as a gender equity and climate solution (United Nations)⁹