

Climate Change & Cancer

What Communities and Patients Should Know

Working Group 1

Co-Chairs: Dr. Simone Charles & Ms. Kesilyn Lizama

Negative Impacts of Climate Change

Increased

Environmental Exposures

Systems Disruptions

Health Disparities



Limiting Exposures & Prevention Strategies



Personal/ Community Climate Action

Advocating for strengthening healthcare system

- Emergency Preparedness
- Resiliency Planning

Personal Climate Action

- Reduce personal carbon footprint
- Seek cancer prevention services early

Mitigate Exposure

Community Product

Standing Poster

CLIMATE CHANGE & CANCER

NEGATIVE IMPACTS OF CLIMATE CHANGE

ENVIRONMENTAL EXPOSURES

- INCREASED
 - Air pollution
 - UV radiation
 - Air, water & soil toxicants
 - Infectious agents & infections
 - Vector-borne disease
 - Precipitation & flooding

LIMITING EXPOSURES & PREVENTION ACTIONS / STRATEGIES

- Dietary changes
- Physical activity
- Sun protection
- Seek early medical services
- Reduce risk behaviors
- Societal policy changes

SYSTEM DISRUPTIONS

DISRUPTIONS IN

- Food & water supply
- Transportation
- Communication
- Healthcare system
- Cancer care continuum

CLIMATE ACTION

- Strengthening health systems
- Climate Action
 - Review your contribution to emissions
 - Reduce carbon footprint
 - Seek cancer prevention & early diagnosis services
- Mitigate exposure

HEALTH

IMPACTS

- Stress & mental health challenges
- Increased infections
- Disruption to cancer care access & delivery
- Loss of maintenance of health behaviors

Consider climate mitigation co-benefits for health and environment

EarthMedic

Reyler N. Cancer and climate change. Lancet Oncol. 2020 Nov;21(11):e519-e527. doi: 10.1016/S1473-2101(20)30448-4. Erratum in: Lancet Oncol. 2020 Dec;21(12):e653. 2021. Yabroff, K. R., & Bernstein, A. (2020). Climate change and cancer. CA: A Cancer Journal for Clinicians, 70(4), 239-244.