

Southeast Asia

Climate and Health Responder Course

SESSION 1: CLIMATE CHANGE FOR THE HEALTH PROFESSIONAL

TUESDAY, 6 JUNE (90 MINUTES), 6:00-7:30 AM EST/6:00-7:30 PM PHT

Session 1 Learning Objectives:

Participants will be able to:

- Explain the general mechanism of the greenhouse effect and describe how human activities are exacerbating this natural phenomenon
- Describe major health outcomes associated with climate events, including both direct and indirect impacts, and their mechanisms
- Identify the ways in which climate change preferentially impacts socioeconomically, racially, or ethnically marginalized communities locally and globally

Recommended Readings and Resources:

McMichael, Anthony J. (2013). Globalization, Climate Change, and Human Health. *The New England Journal of Medicine*, 368(14), 1335-1343.

<https://www.nejm.org/doi/full/10.1056/nejmra1109341>

The Imperative for Climate Action to Protect Health

<https://www.nejm.org/doi/full/10.1056/nejmra1807873>

Coronavirus and the climate crisis: Common causes and shared solutions

<https://noharm.medium.com/coronavirus-and-the-climate-crisis-227c36bf07d0>

Roland J, Kurek N, Nabarro D. Health in the climate crisis: A guide for health leaders. Doha, Qatar: World Innovation Summit for Health, 2020.

<https://2020.wish.org.qa/app/uploads/2020/09/IMPJ7849-01-Climate-Change-and-Health-WISH-2020-201030-WEB.pdf>

“Climate change, health and discrimination: climate justice as racial justice.” TA Deivanayagam, S Selvarajah, S English, M Huq, C Sharma, J Bonifacio, RR Guinto, J Hickel, R Issa, P de Moraes Sato, H Mulindwa, HP Nagginda, D Devakumar. *The Lancet*, November 4, 2022.

[https://doi.org/10.1016/S0140-6736\(22\)02182-1](https://doi.org/10.1016/S0140-6736(22)02182-1)

Films: Voices PH: Del Carmen, Surigao del Norte (<https://youtu.be/PZrslj-FmEw>) and Ajuy, Iloilo (<https://youtu.be/q29WUkxeVJc>)

SESSION 2: EXTREME WEATHER EVENTS AND DISASTERS

THURSDAY, 8 JUNE (90 MINUTES), 6:00-7:30 AM EST/6:00-7:30 PM PHT

Session 2 Learning Objectives:

Participants will be able to:

- Describe the ways in which climate change increases the risk of extreme events such as hurricanes (typhoons), wildfires, floods and droughts
- Identify short-term and long-term health threats to patients and health systems impacted by extreme weather events and steps that health professionals can take to reduce these risks
- Define the roles of disaster risk reduction, public health communication, early warning systems and regional cooperation in the prevention of the health impacts of extreme weather events
- Explain how the health impacts of climate change will vary within and among different communities by applying concepts of vulnerability, resilience and adaptive capacity

Recommended Readings and Resources:

Annex, I. (2012). Managing the risks of extreme events and disasters to advance climate change adaptation. *Sciences*, 10, 97-104.

Chan, E. Y. Y. (2017). *Public health humanitarian responses to natural disasters* (p. 294). Taylor & Francis.

ESCAP, U. (2022). Asia-Pacific Riskscape@ 1.5 C: subregional pathways for adaptation and resilience.

Hunter, M. D., Hunter, J. C., Yang, J. E., Crawley, A. W., & Aragón, T. J. (2016). Public health system response to extreme weather events. *Journal of Public Health Management and Practice*, 22(1), E1-E10.

Masson-Delmotte, V., Zhai, P., Pirani, A., Connors, S. L., Péan, C., Berger, S., ... & Zhou, B. (2021). Climate change 2021: the physical science basis. *Contribution of working group I to the sixth assessment report of the intergovernmental panel on climate change*, 2.

Salazar, M. A., Law, R., Pesigan, A., & Winkler, V. (2017). Health consequences of Typhoon Haiyan in the Eastern Visayas region using a syndromic surveillance database. *PLoS currents*, 9.

<https://www.improvingphc.org/philippines-resilient-facilities-services>

SESSION 8: LEADERSHIP AND ADVOCACY

THURSDAY, 29 JUNE (90 MINUTES), 6:00-7:30 AM EST/6:00-7:30 PM PHT

Session 8 Learning Objectives:

Participants will be able to:

- Learn about effective ways to engage on climate change and health in local communities and health systems
- Map spheres of influence to identify opportunities to leverage their health professional voice to make a difference in the climate discourse

Recommended Readings and Resources:

LIEN TO

Climate resilience as a cross cutting theme in WASH-FIT Model guided by WHO

<https://apps.who.int/iris/rest/bitstreams/1419124/retrieve>