PMAC PRINCE MAHIDOL AWARD CONFERENCE 2021

WS405

DEALING WITH DISASTERS FAST AND SLOW: HEALTH SYSTEM RESILIENCE FOR COVID-19 AND CLIMATE CHANGE

| BACKGROUND

The COVID-19 crisis has demonstrated that many Health Systems around the world are poorly prepared for the co-occurrence of acute and chronic stressors. What will it take to enhance the resilience of health systems?

One critical step will be to make better use of data and information on environmental drivers of health at a variety of time scales, from the immediate time scales required to manage increasingly severe extreme events, to the decadal time scale required to understand potential changes in diseases and other health threats related to climate change. Health systems need to have situational awareness of multiple co-occuring disasters, including weather-related disasters, while at the same time require improved anticipation of emerging risks and future stressors, like zoonotic disease spillover and food or water insecurity.

In addition to weather and climate data, climate resilient health systems will need to incorporate data on land use and land cover, demographics and migration, agricultural systems and nutrition, etc. Effective use of data on weather, climate and other environmental drivers will require enhanced collaboration between the various related scientific communities to improve mutual understanding of requirements and build capacity in all sectors. Moreover, the development of successful public health resilience will be aided by implementation and evaluative research analyzing the effectiveness of early warning systems and risk reductions measures.

| OBJECTIVES

Participants in this webinar will be able to:

- Describe how health systems have dealt with co-occurrence of COVID -19 pandemic and climate-related disasters
- Identify key steps in operationalizing the WHO framework on Climate Resilient Health Systems
- Describe global efforts to enhance cooperation between health and hydrometeorological services and the provision of meteorological and climate services for health
- Describe approaches to developing rapid research responses to disasters



Moderator

John Balbus

Senior Advisor for Public Health

National Institute of Environmental Health Sciences at National Institutes of Health

United States of America

John M. Balbus, M.D., M.P.H., is the Senior Advisor for Public Health to the Director of the National Institute of Environmental Health Sciences, where he directs the NIEHS-WHO Collaborating Centre for Environmental Health Sciences. He serves as HHS Principal to the U.S. Global Change Research Program and also co-chairs working groups on Climate Change and Human Health for the US Global Change Research Program and for the National Institutes of Health. Balbus was co-convening lead author for the 4th US National Climate Assessment as well as a lead author on the GCRP Special Report on the Health Impacts of Climate Change in the United States. He is co-author of the HHS guide document “Primary Protection: Enhancing Health Care Resilience for a Changing Climate.”