

AN INTRODUCTION TO THE LANCET COUNTDOWN

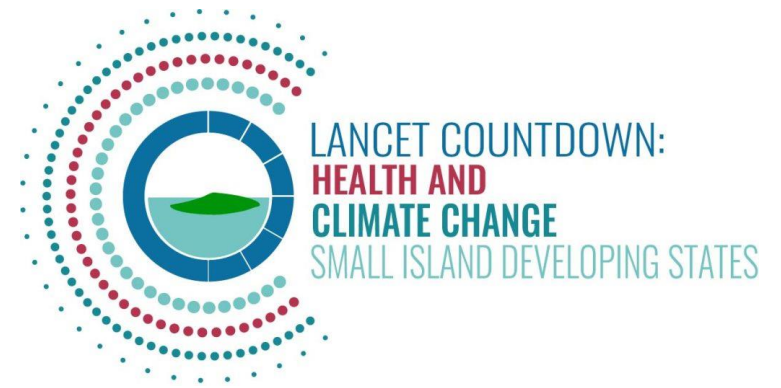
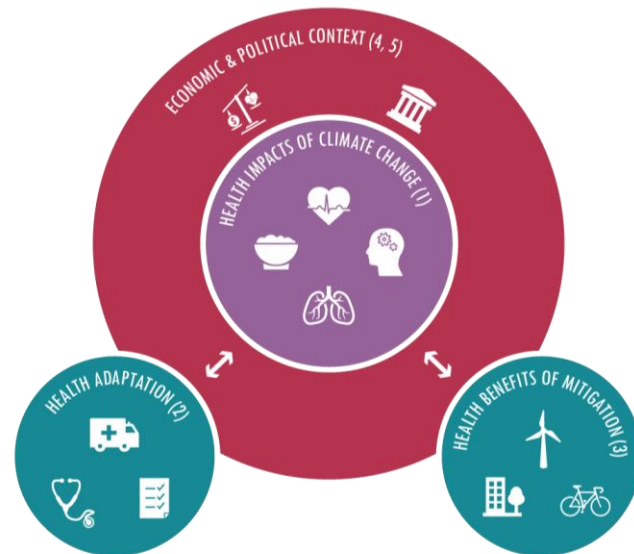
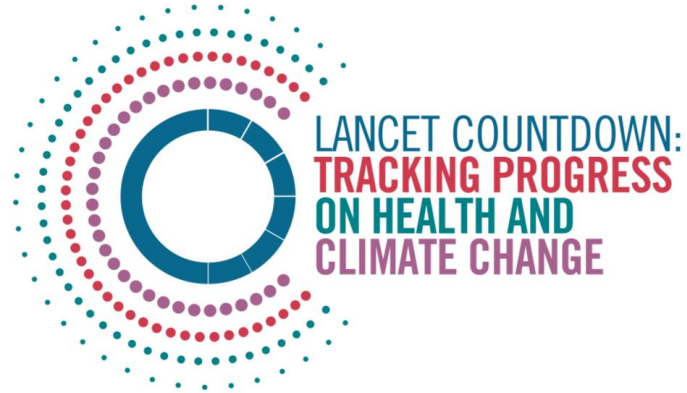
GSCC Japan Climate Change x Health Impacts Webinar | Thursday 20th April

Dr Alice McGushin @LancetCountdown @AIMcGushin

alice.mcgushin2@nhs.net



The Lancet Countdown is an international collaboration, working to ensure health is in the centre of our response to climate change



Each year since 2015, *The Lancet* has published our annual report



THE LANCET
June 2015
Health and climate
"Tackling climate change is a global health opportunity"
A Commission by The Lancet

THE LANCET
November 2016
The Lancet Countdown
Tracking Progress on Health and Climate Change
A Review by The Lancet

THE LANCET
October 2017
The 2017 report of the Lancet Countdown
from 25 years of industrialisation
A Review by The Lancet

THE LANCET
November 2018
The 2018 report of the Lancet Countdown
and climate change
"The nature and scale of the health impacts of climate change are the determining factor in the 21st century and beyond."
A Review by The Lancet

THE LANCET
November 2019
The 2019 report of the Lancet Countdown
and climate change
"An unprecedented challenge demands a global response, and it will take the work of all of us to ensure that the future is not defined by a changing climate."
A Review by The Lancet

THE LANCET
December 2020
The 2020 report of the Lancet Countdown
on health and climate change
"Unless the global COVID-19 recovery is aligned with the response to climate change, the world will fail to meet the target laid out in the Paris Agreement, damaging health in the short term and long term."
A Review by The Lancet

THE LANCET
October 2021
The 2021 report of the Lancet Countdown
on health and climate change
"Leaders of the world have an unprecedented opportunity to deliver a future of improved health, reduced inequality, economic and environmental sustainability. How will only be possible if the world acts together to ensure that no person is left behind."
A Review by The Lancet

THE LANCET
October 2022
The 2022 report of the Lancet Countdown
on health and climate change
"Countries and companies continue to make choices that threaten the health and survival of people in every part of the world. At this critical juncture, an immediate, health-centred response can still secure a future in which world populations can not only survive, but thrive."
A Review by The Lancet

The 2022 global report brings together 100 experts from 51 leading institutions from around the world



Key message of the 2022 report:

**A persistent fossil fuel addiction
is amplifying the health impacts
of the concurrent crises we face.**



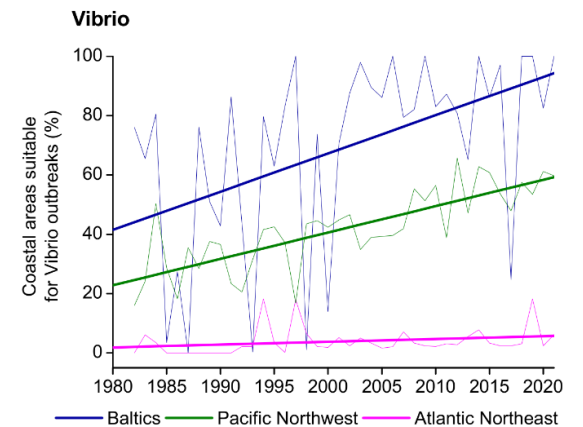
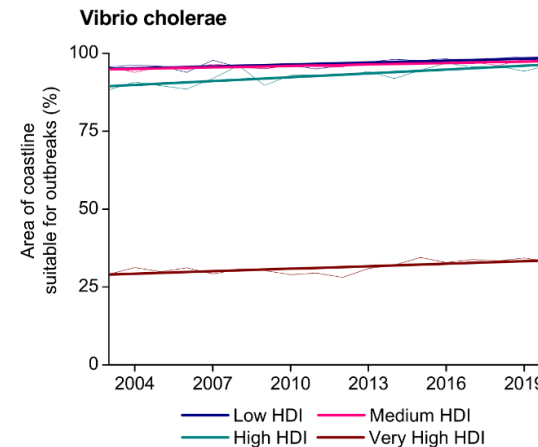
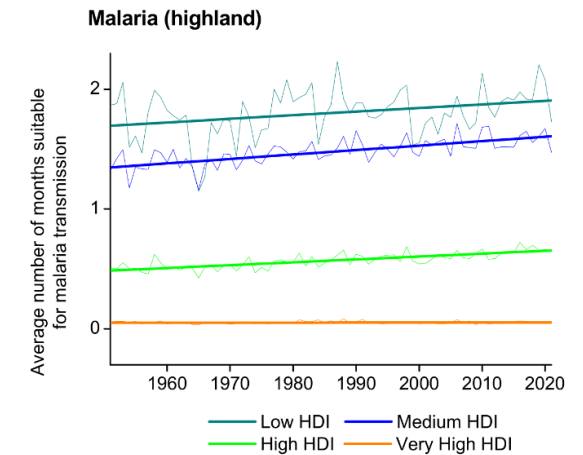
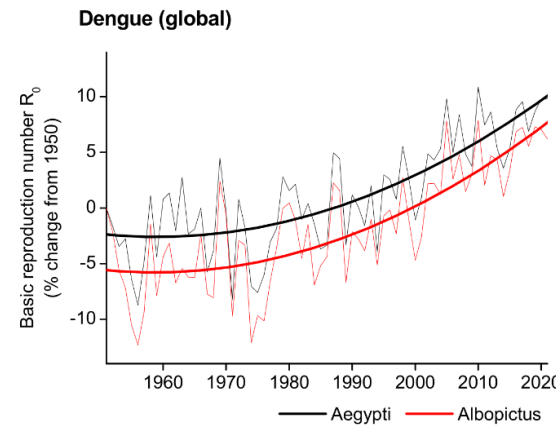


1.3: Climate Suitability for Infectious Disease Transmission

Headline Finding:

The climatic suitability for the transmission of dengue increased by 11.5% for *A. aegypti* and 12.0% for *A. albopictus* from 1951–1960 to 2012–2021.

The length of the transmission season for malaria increased by 31.3% and 13.8% in the highlands of the Americas and Africa, respectively, from 1951–1960 to 2012–2021.



Change in climate suitability for infectious diseases.

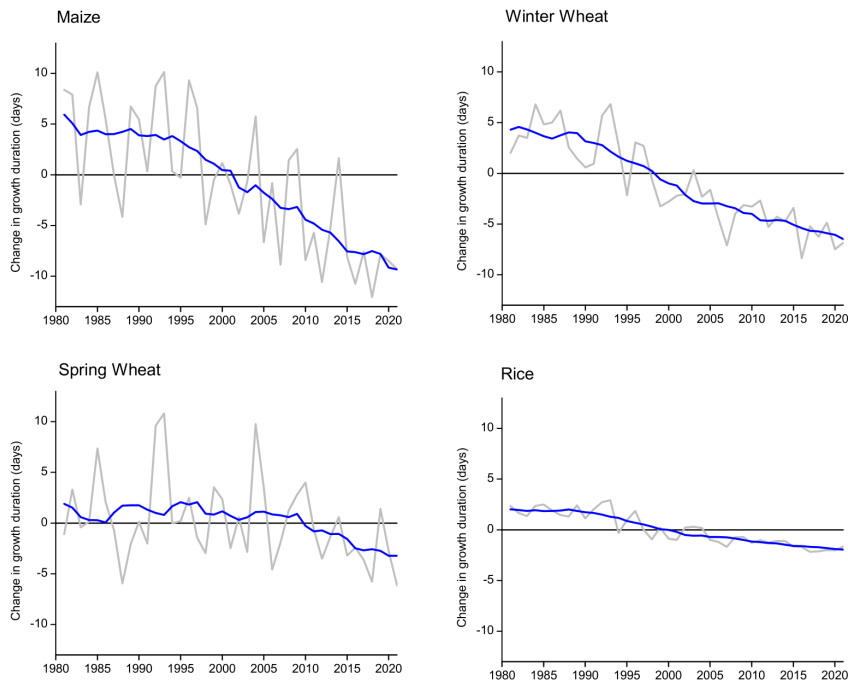


1.4: Food Security and Undernutrition

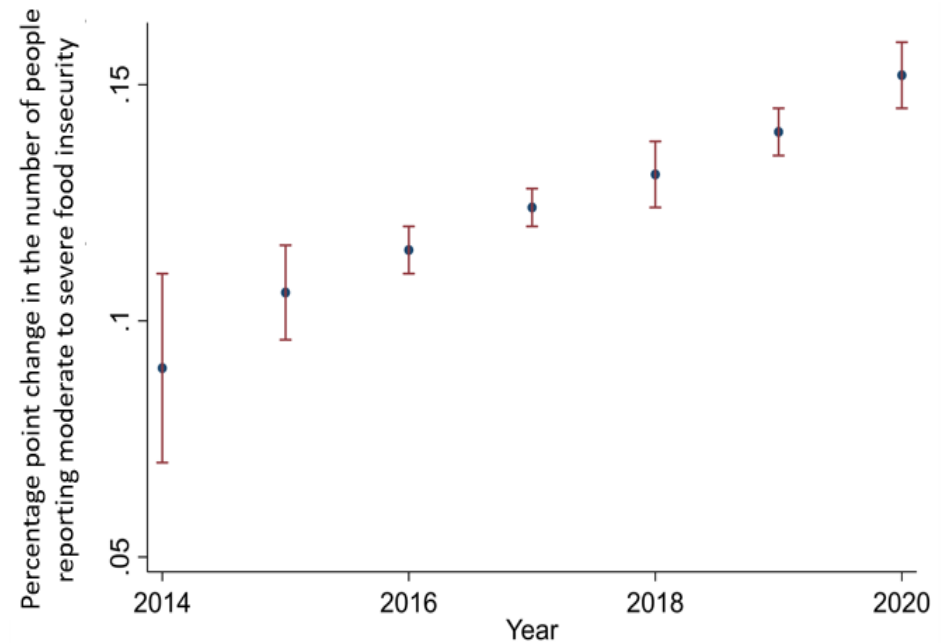
Headline Findings:

Relative to 1981–2010, higher temperatures in 2021 shortened crop growth seasons globally for maize, rice and wheat.

Heatwave days in 2020 were associated with 98 million more people reporting moderate to severe food insecurity.



Change in crop growth duration relative to the 1981–2010 global average.



Change in the percentage of people reporting moderate to severe food insecurity due to heatwave days

Thank you

Dr Alice McGushin
alice.mcgushin2@nhs.net

www.lancetcountdown.org
@LancetCountdown

THE LANCET



LANCET COUNTDOWN:
TRACKING PROGRESS
ON HEALTH AND
CLIMATE CHANGE

