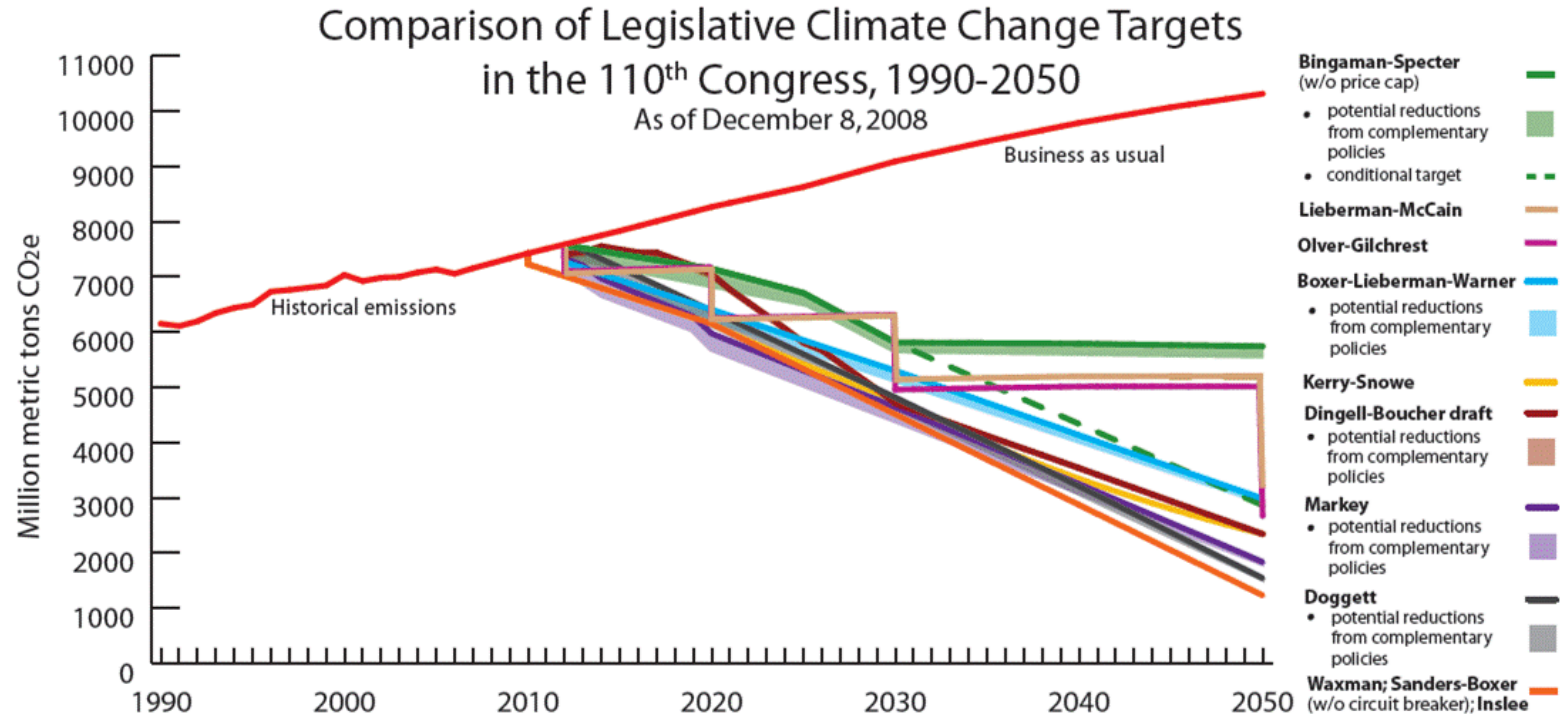


Climate + Public Health

4.11.204

Federal Legislation



WORLD RESOURCES INSTITUTE

For a full discussion of underlying methodology, assumptions and references, please see <http://www.wri.org/usclimatetargets>. WRI does not endorse any of these bills. This analysis is intended to fairly and accurately compare explicit carbon caps in Congressional climate proposals and uses underlying data that may differ from other analyses. Price caps, circuit breakers and other cost-containment mechanisms contained in some bills may allow emissions to deviate from the pathways depicted in this analysis.

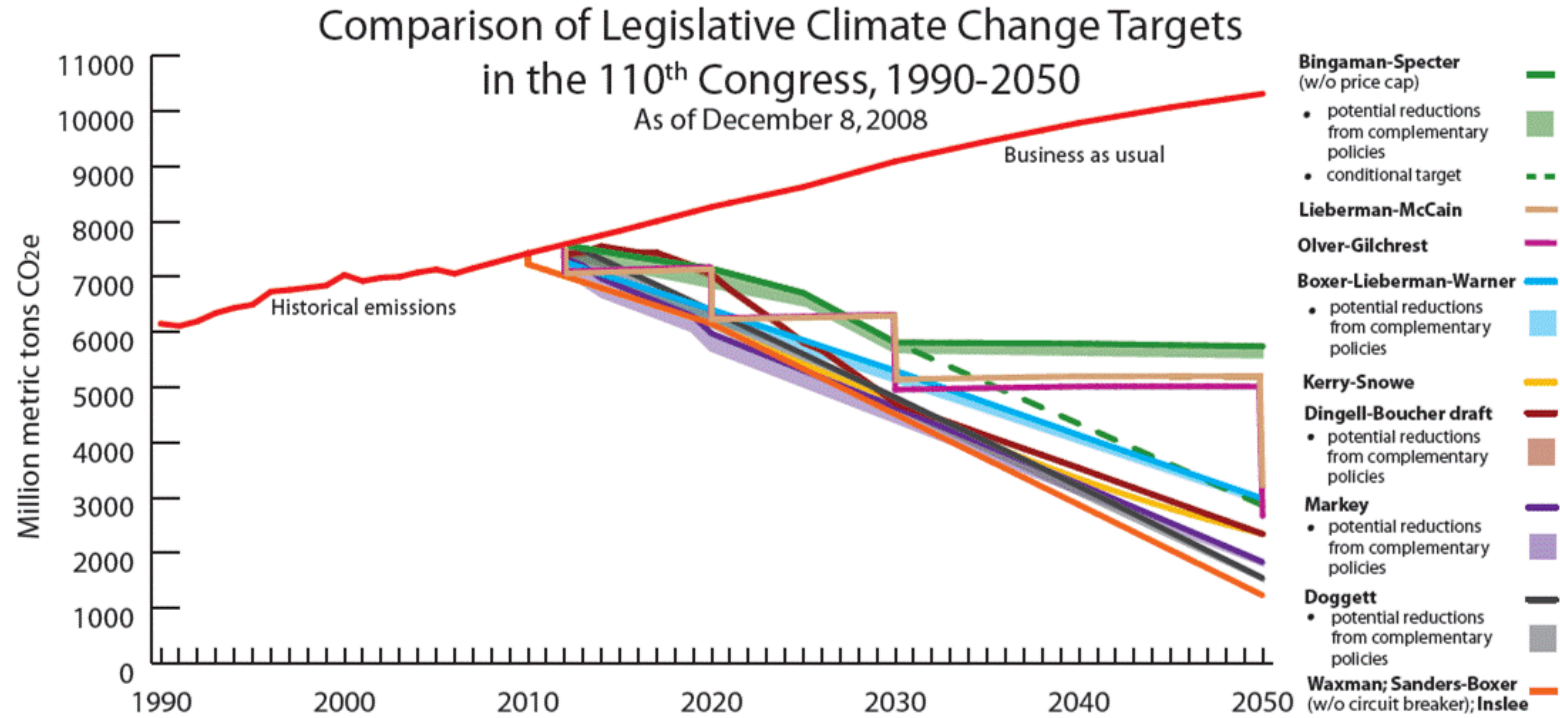


11-26-07



"Yes, the planet got destroyed. But for a beautiful moment in time we created a lot of value for shareholders."

Federal Legislation



WORLD RESOURCES INSTITUTE

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The warning

Pace and scale of climate action are insufficient to tackle climate change



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RISING
TEMPERATURES

EXTREME
WEATHER

AIR QUALITY

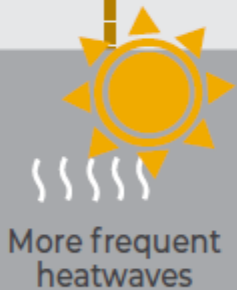
VECTOR-BORNE
DISEASES

<https://www.apha.org/Topics-and-Issues/Climate-Health-and-Equity>



RISING TEMPERATURES

Summer of 2023 was Earth's **hottest** since global records began in 1880.¹



More frequent heatwaves

At least **425 people** are estimated to have died from heat-related causes between May and October 2023 in Maricopa County, AZ.³

Urban neighborhoods can be up to **20 degrees hotter** than outlying areas with more trees and less pavement. This is called the Urban Heat Island Effect.²



Urban heat island effect

Some **9,000 high school athletes** in the U.S. are treated for exertional heat illness (such as heat stroke and muscle cramps) each year.⁴



Dehydration



Heat stroke



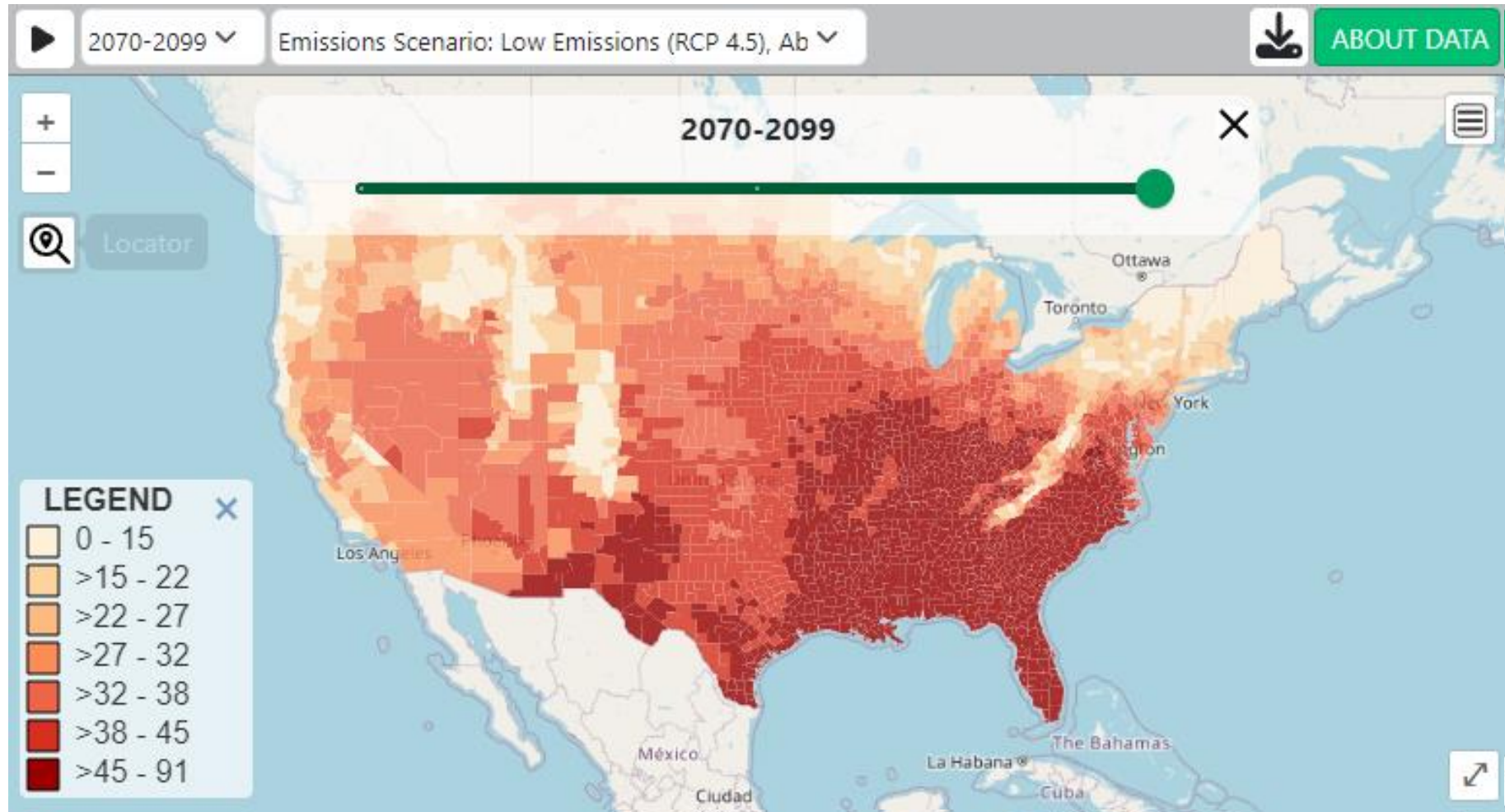
Aggravated cardiovascular illnesses



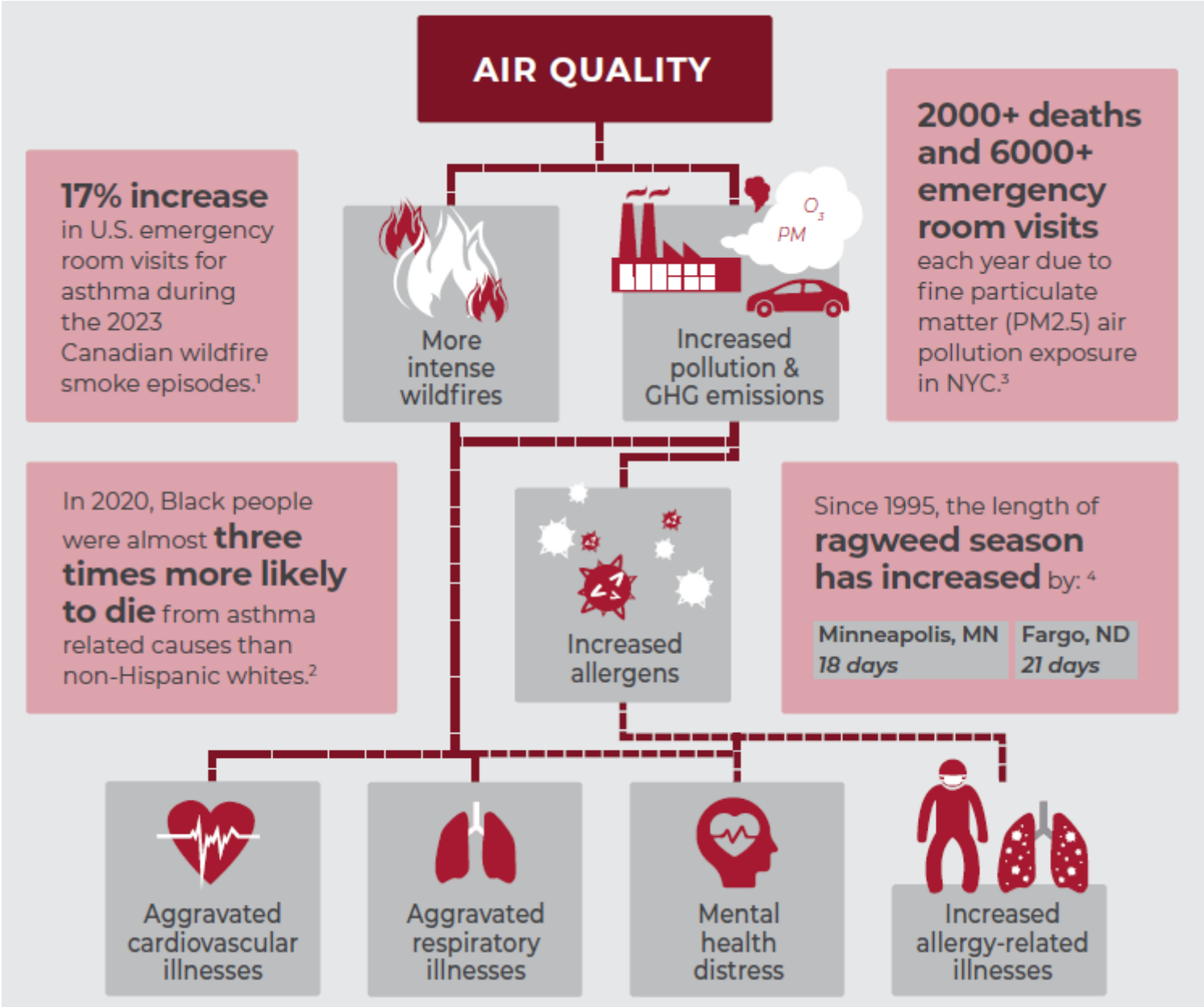
Aggravated respiratory illnesses



Mental health distress



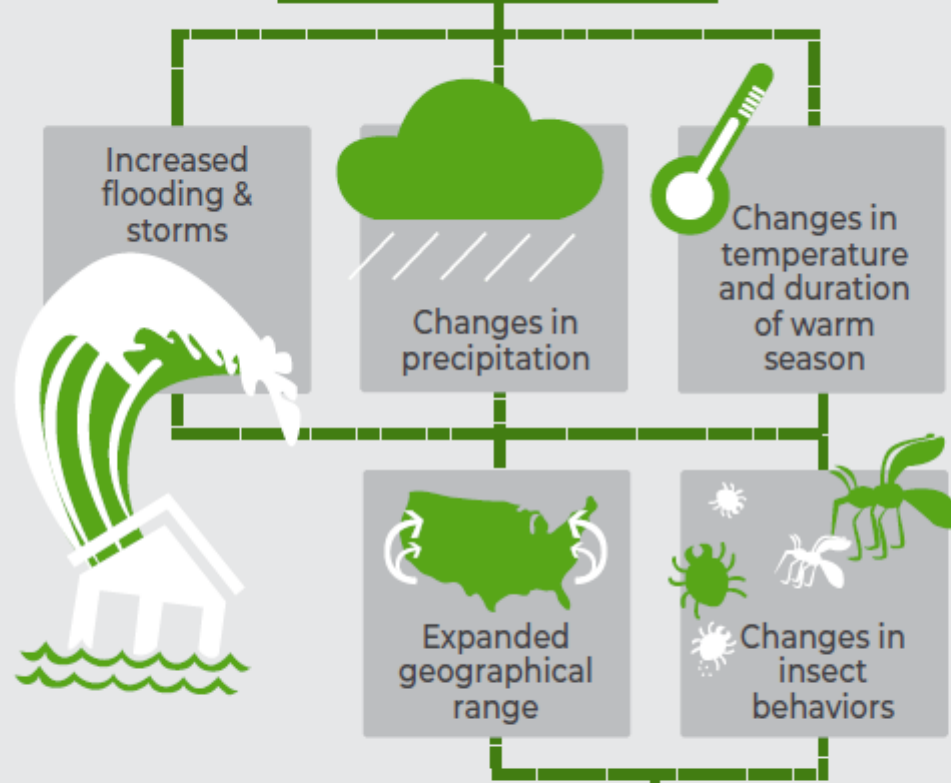
<https://ephtracking.cdc.gov/Applications/heatTracker/>



<https://www.apha.org/news-and-media/multimedia/infographics/how-climate-change-affects-your-health>



VECTOR-BORNE DISEASES



56,575 cases of West Nile Virus in the U.S. since 1999, of which more than **2,776 people have died!**¹

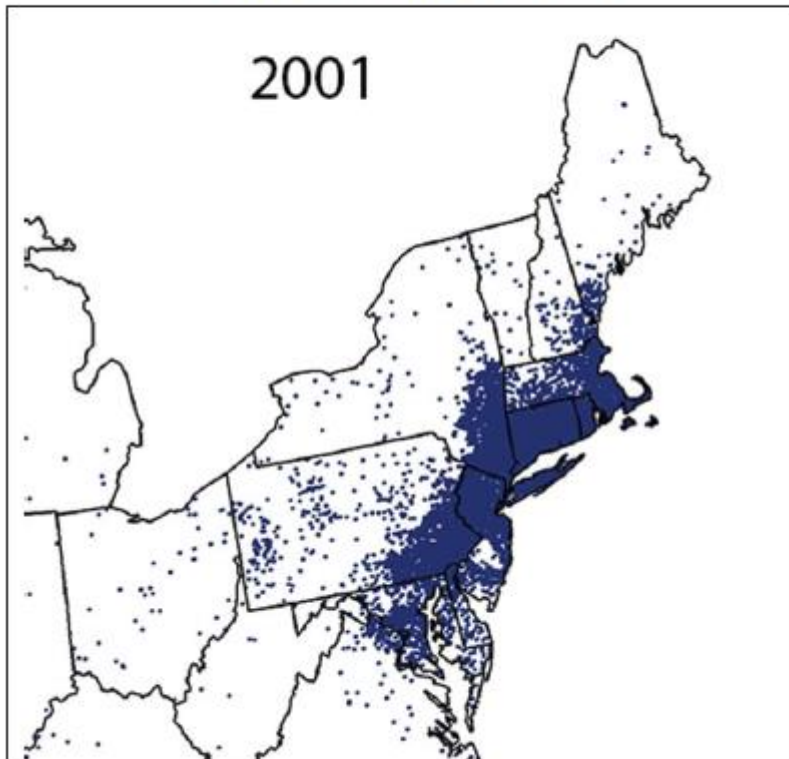
Four states reported locally-acquired cases of malaria in 2023, including the first in Texas in nearly 30 years and the first in Maryland in nearly 40 years.²

Without action, U.S. Valley Fever cases are projected to **increase by 220%** by the end of the century.³

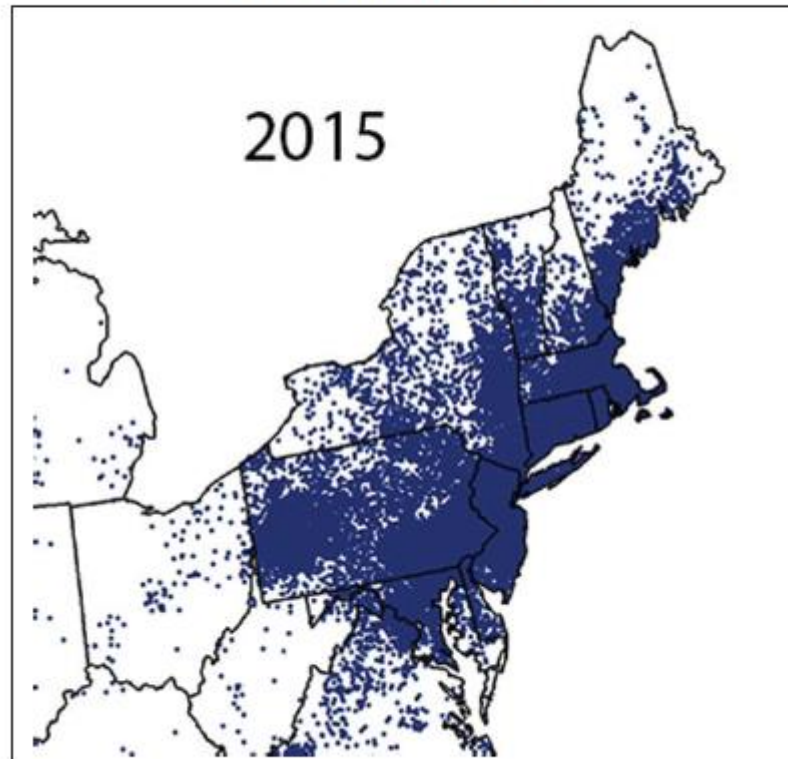
Increased cases of vector-borne diseases

Lyme disease incidence has doubled over the past two decades to **30,000 cases per year.**⁴

**LYME DISEASE CASES
IN THE NORTHEAST, 2001**

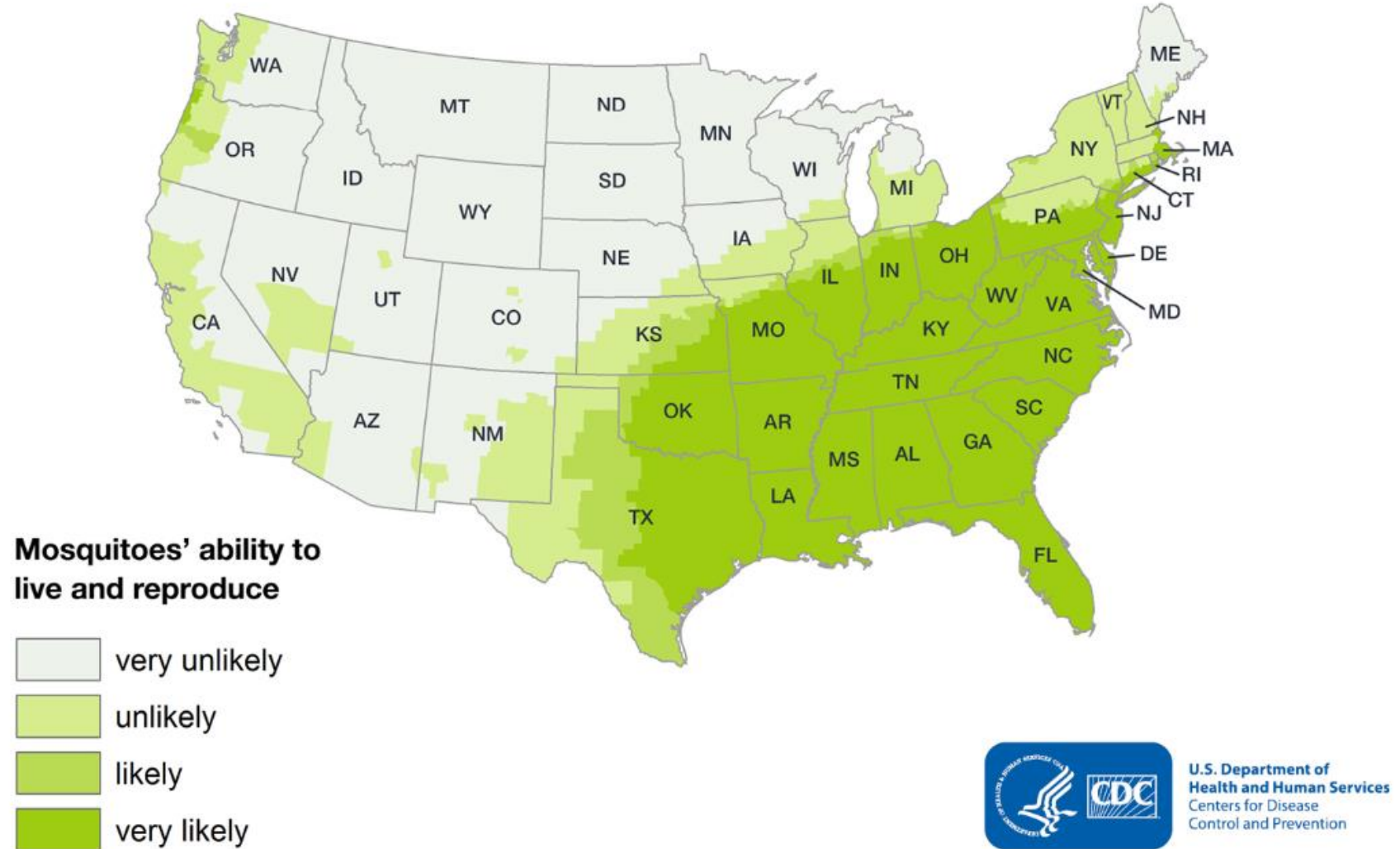


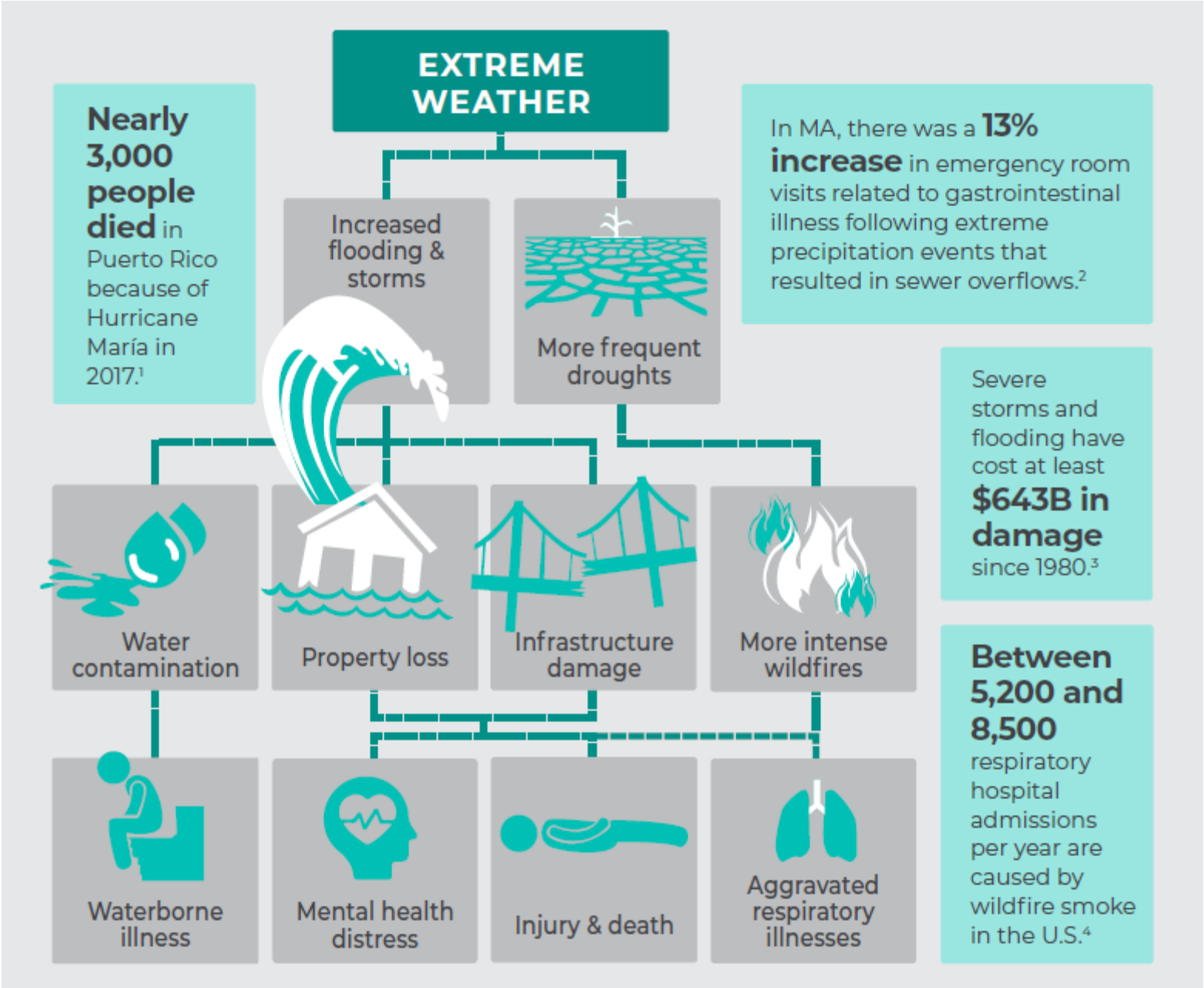
**LYME DISEASE CASES
IN THE NORTHEAST, 2015**



Source: The Centers for Disease Control and Prevention

Estimated Range of *Aedes albopictus* in the United States, 2017





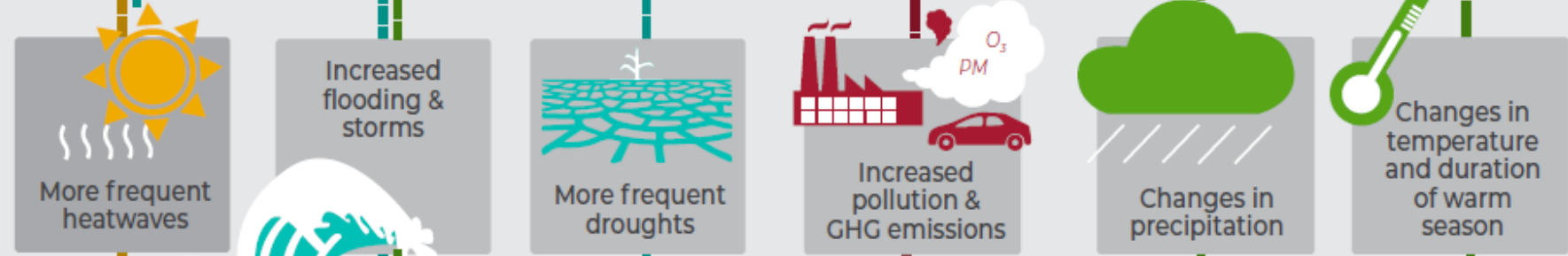
<https://www.apha.org/news-and-media/multimedia/infographics/how-climate-change-affects-your-health>



The National Guard, CC BY 2.0, via Wikimedia Commons

RISING TEMPERATURES **EXTREME WEATHER** **AIR QUALITY** **VECTOR-BORNE DISEASES**

ENVIRONMENTAL EFFECTS



SECONDARY EFFECTS



HEALTH EFFECTS



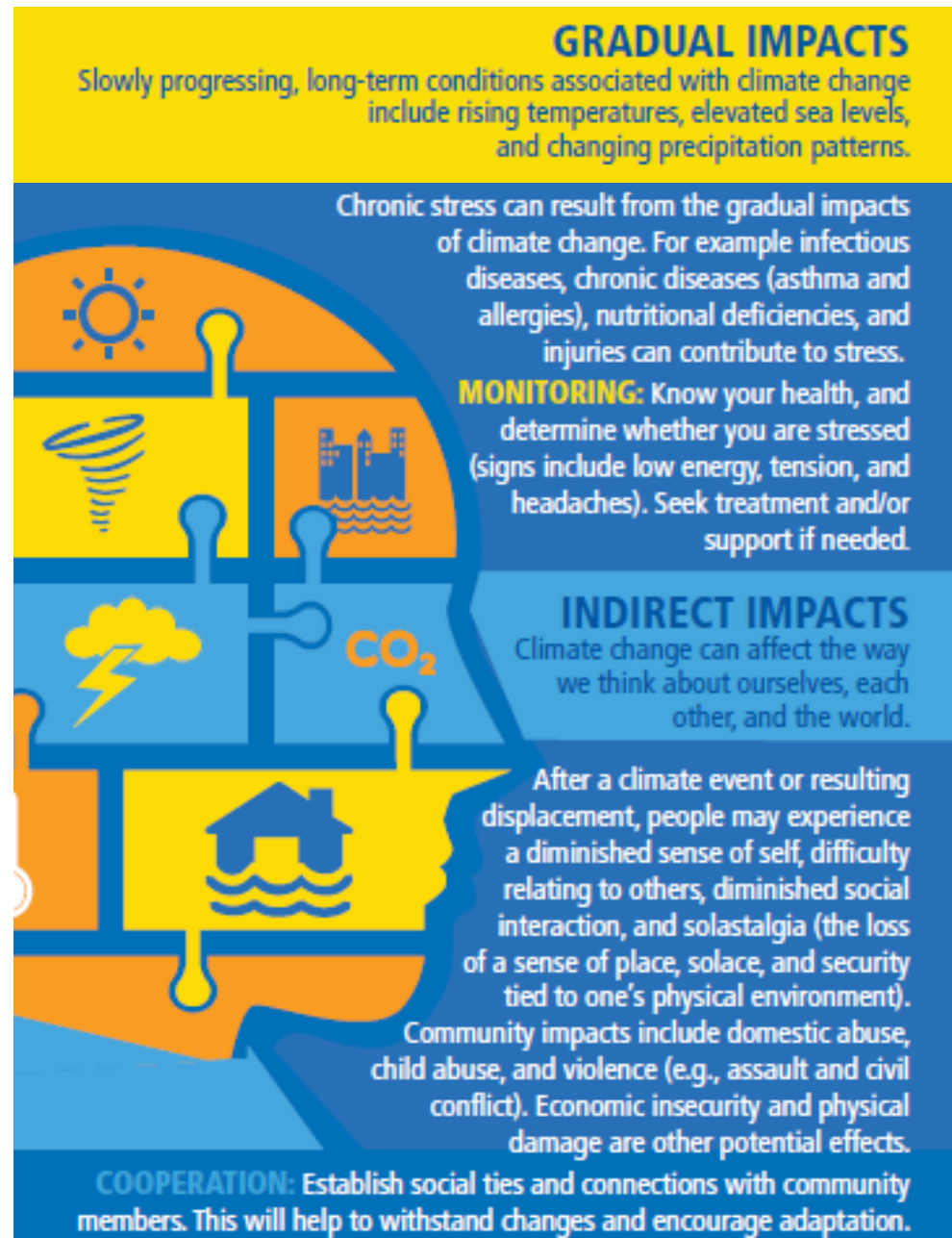
Climate Change Impacts on Mental Health

IMMEDIATE IMPACTS

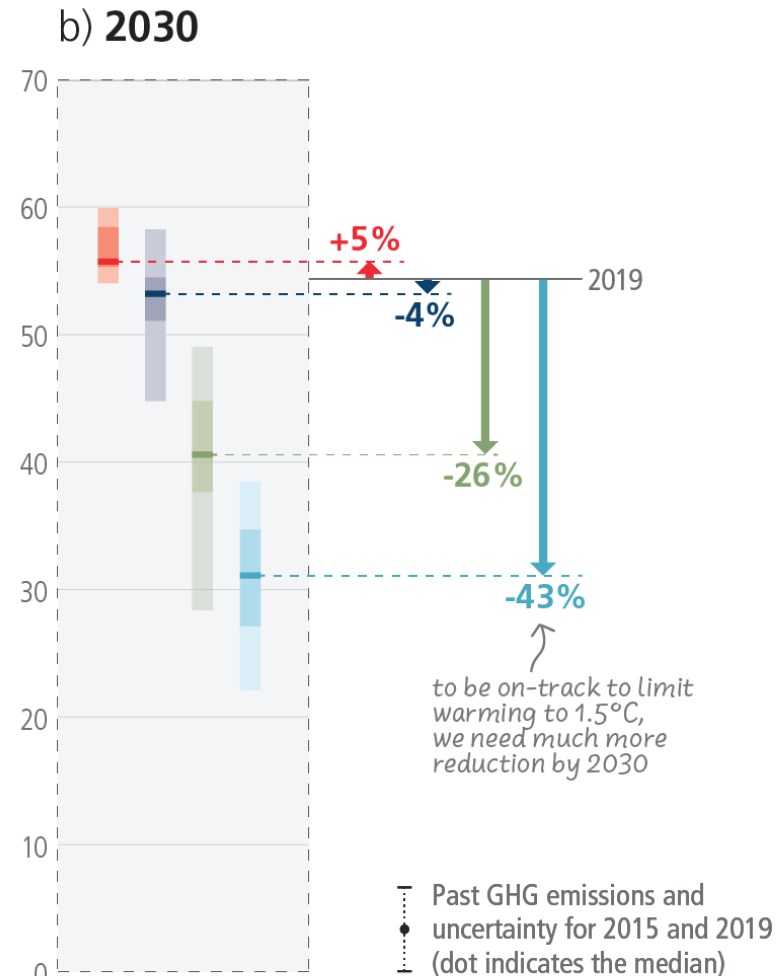
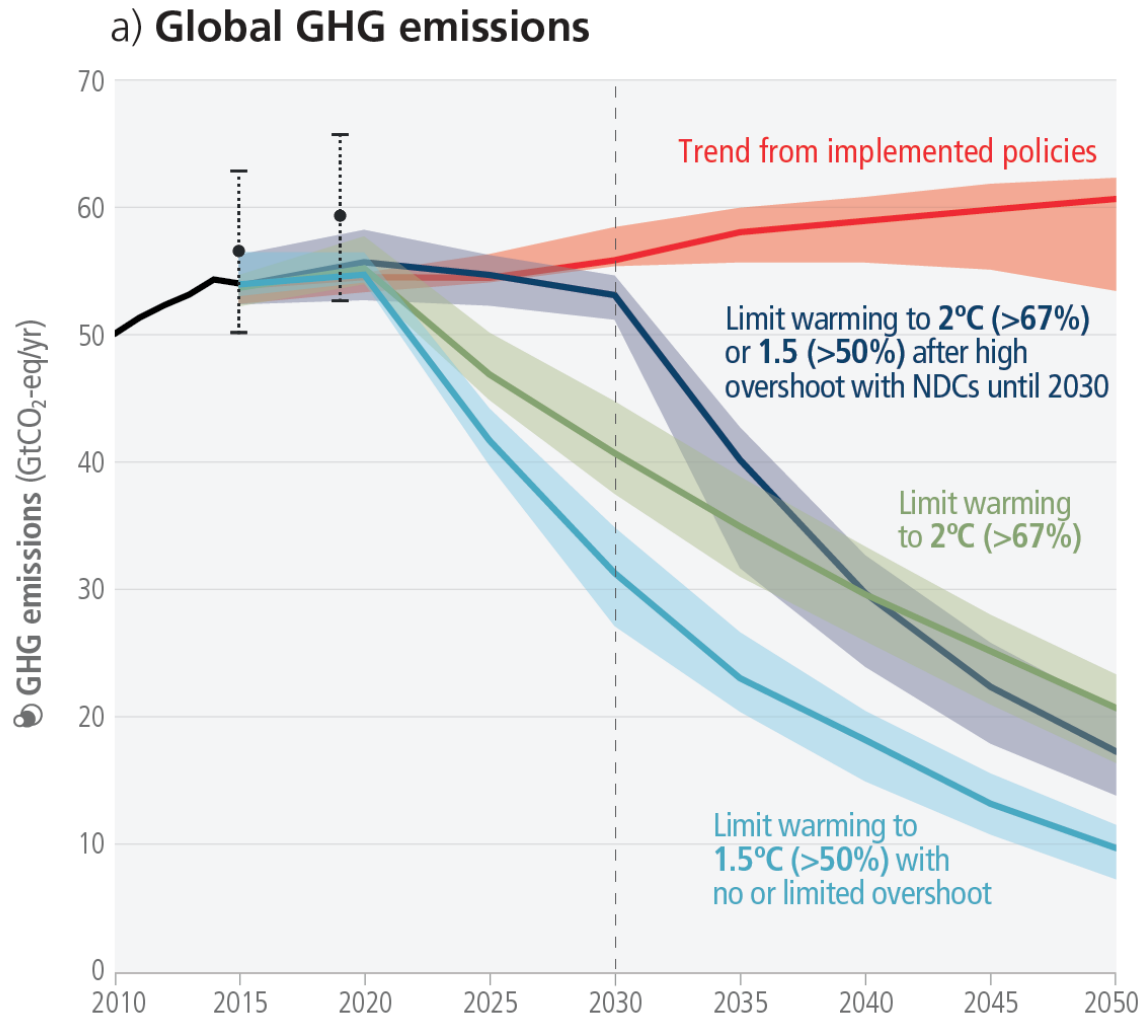
Natural disasters are sudden in their onset and include destructive storms, floods, wildfires, and extreme heat.

Natural disasters may cause posttraumatic stress disorder (PTSD), anxiety, depression, and stress. Self-harm, including substance abuse and suicidal ideation, may also occur.

READINESS: Seek education about what to expect and how to prepare for future climate events.



Projected global GHG emissions from NDCs announced prior to COP26 would make it *likely* that warming will exceed 1.5°C and also make it harder after 2030 to limit warming to below 2°C



The warning

Pace and scale of climate action are insufficient to tackle climate change