

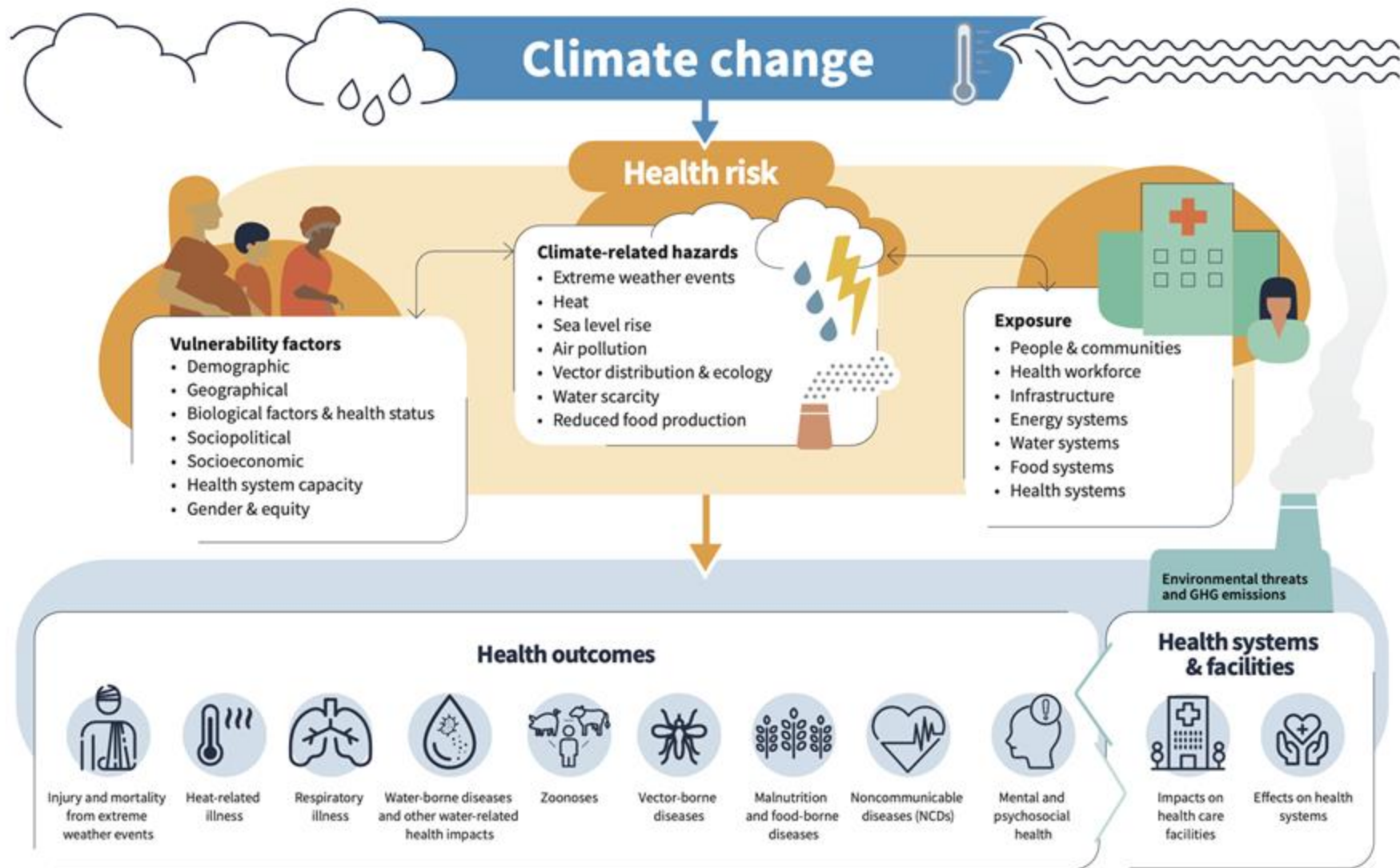
Tackling Emerging Infectious Threats through Innovative Collaboration in the Era of Climate Change

COP29 - Japan Pavilion
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Director, Environment, Climate
and Health Department

Our new
reports here





Climate change increases the transmission of deadly infectious diseases

- Transmission increases in dengue, malaria, West Nile virus, Vibriosis and respiratory infections, including pneumonia, Legionella, TB, Covid-19 and influenza, across **existing and new locations.**
- The **climatic suitability for the transmission of dengue:**
 - ... by *Aedes albopictus* and *Aedes aegypti* increased by 46.3% and 10.7% respectively between 1951–1960 and 2014–2023
 - The transmission potential for dengue increasing by over 27% since the 1950s.
- **Malaria** transmission is intricately connected with temperature and rainfall patterns, and extreme weather events have been shown to cause rapid spikes in cases.
- Climate-related displacement and gathering behaviours aggravate disease transmission.

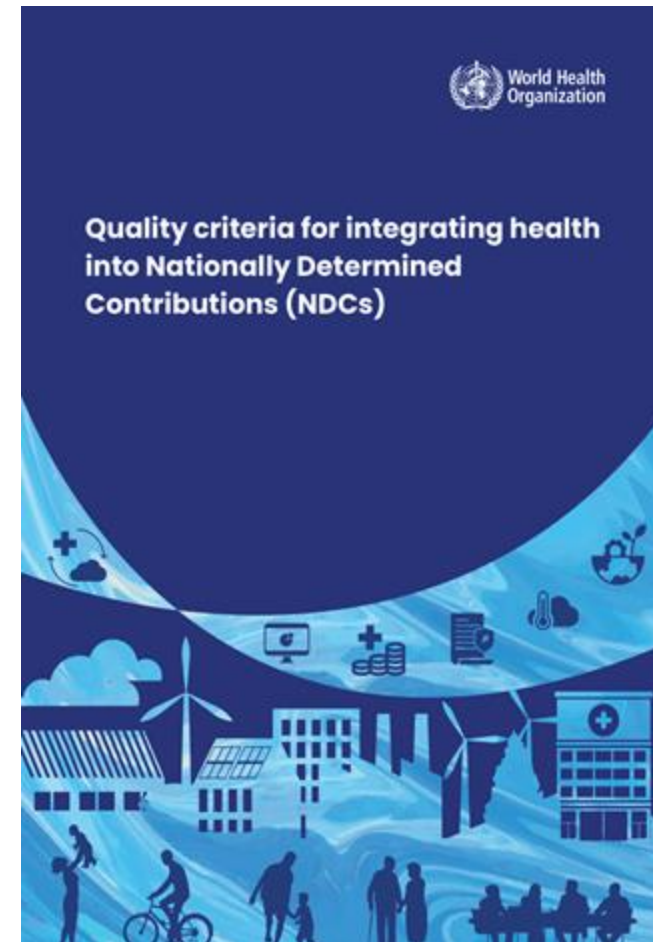
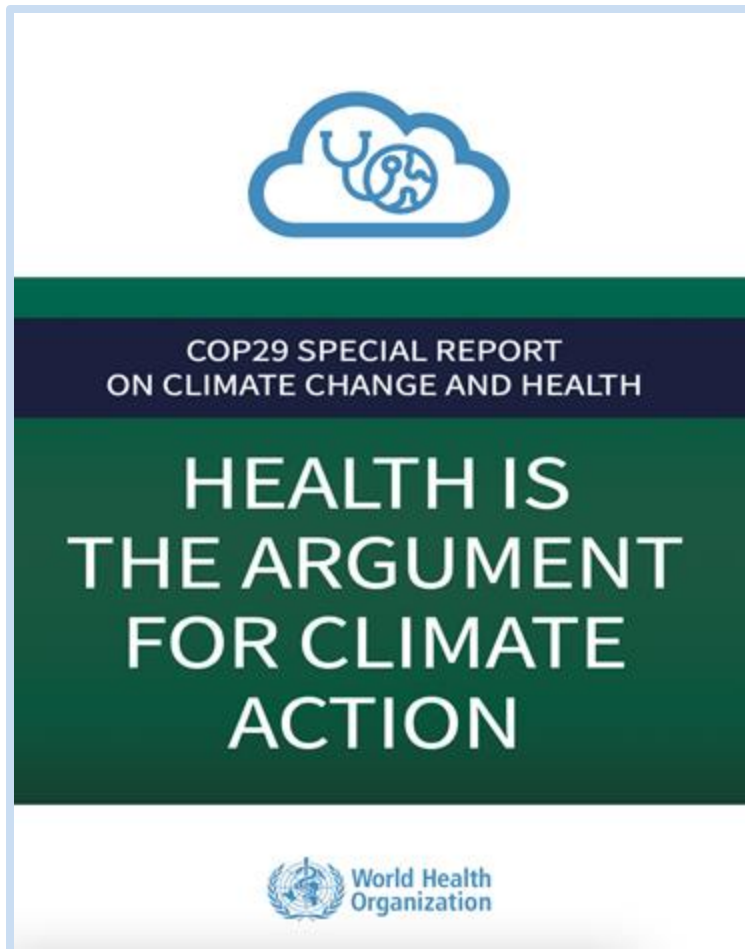
Why?

- **Rising temperatures, increased rainfall, and extreme weather events create ideal conditions for pathogens and their carriers, leading to increased risks for diseases such as dengue, malaria, cholera, and West Nile virus.**
- Climate-induced **ecosystem changes**, such as deforestation, habitat loss, and altered water sources, push wildlife closer to human populations, increasing the risk of zoonotic diseases, which jump from animals to humans.
- These effects are amplified in **vulnerable, low-income regions**, where climate-related displacement, overcrowding, and poor sanitation further facilitate the spread of infectious diseases.

Health is the argument for climate action

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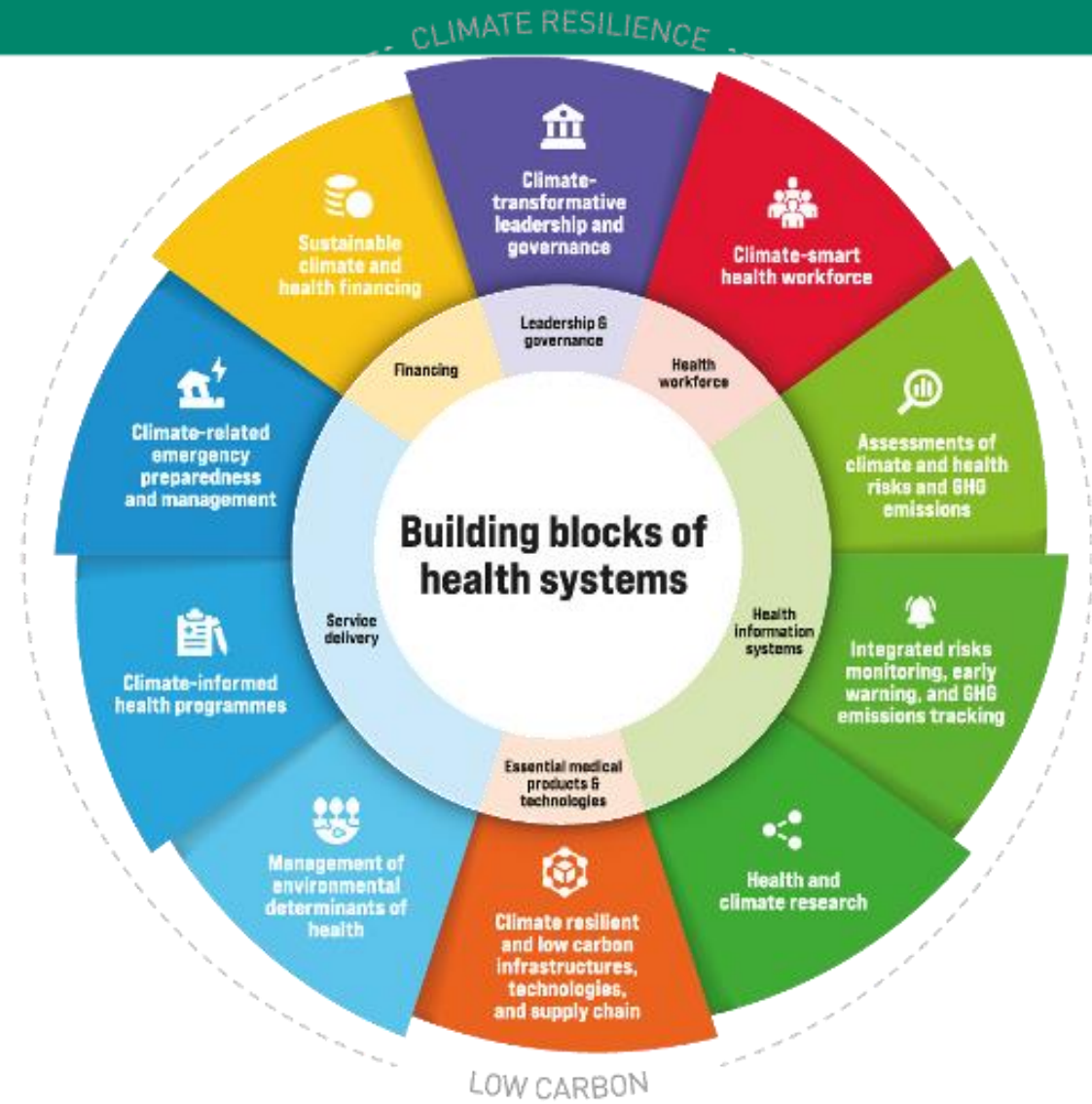
Prescription for healthy NDCs



PEOPLE: The lived experience of the climate crisis is health – health, well-being and equity must be at the heart of climate action.

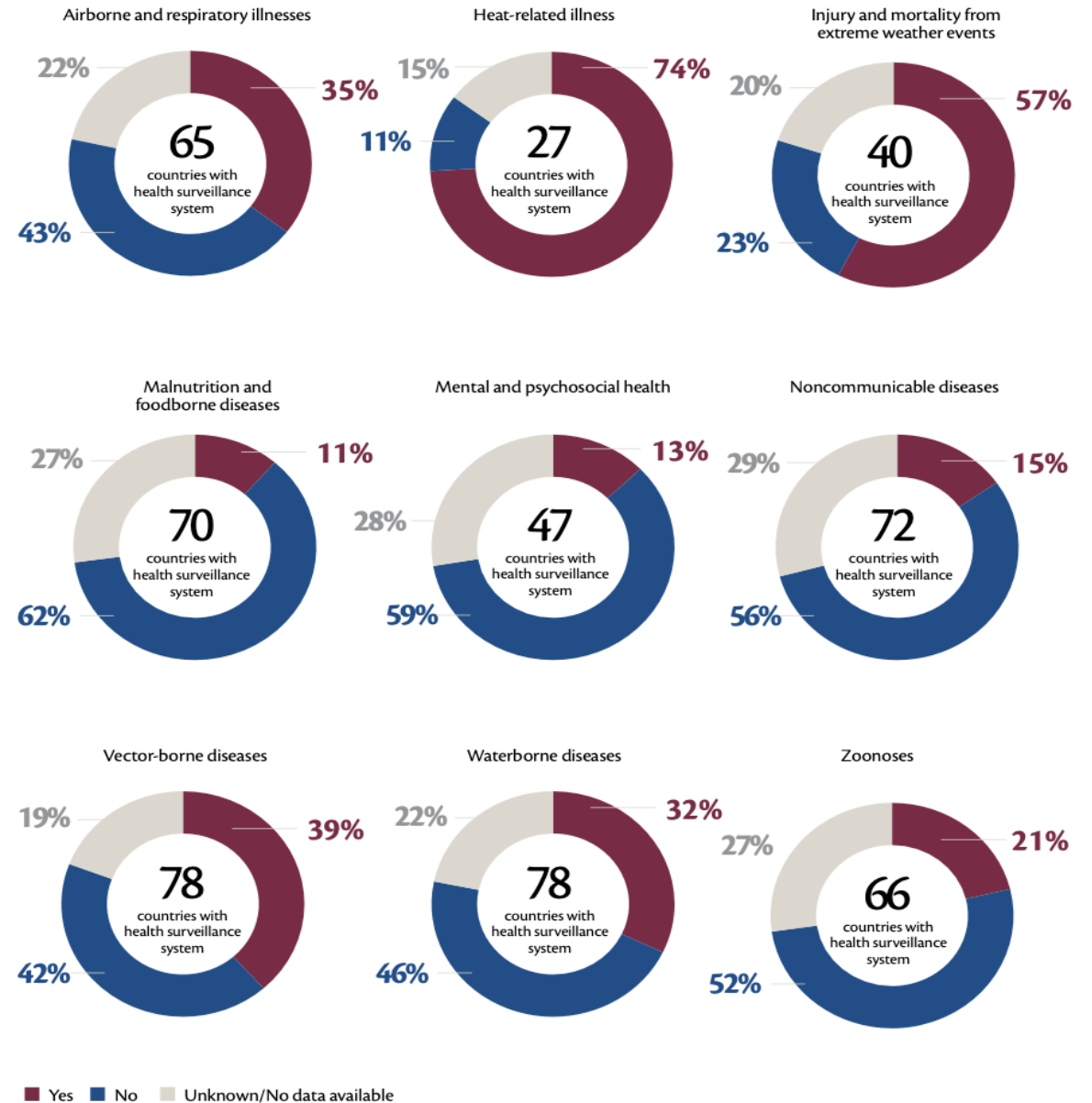
Build future-proofed health systems. Invest in low-carbon climate- resilient health systems and a fit-for-purpose, well- supported global health workforce.

The WHO-led Alliance for Transformative Action on Climate and Health (ATACH), in which over 91 countries and over 75 partners work together to ensure countries have the technical and financial resources they need to protect health from climate change.



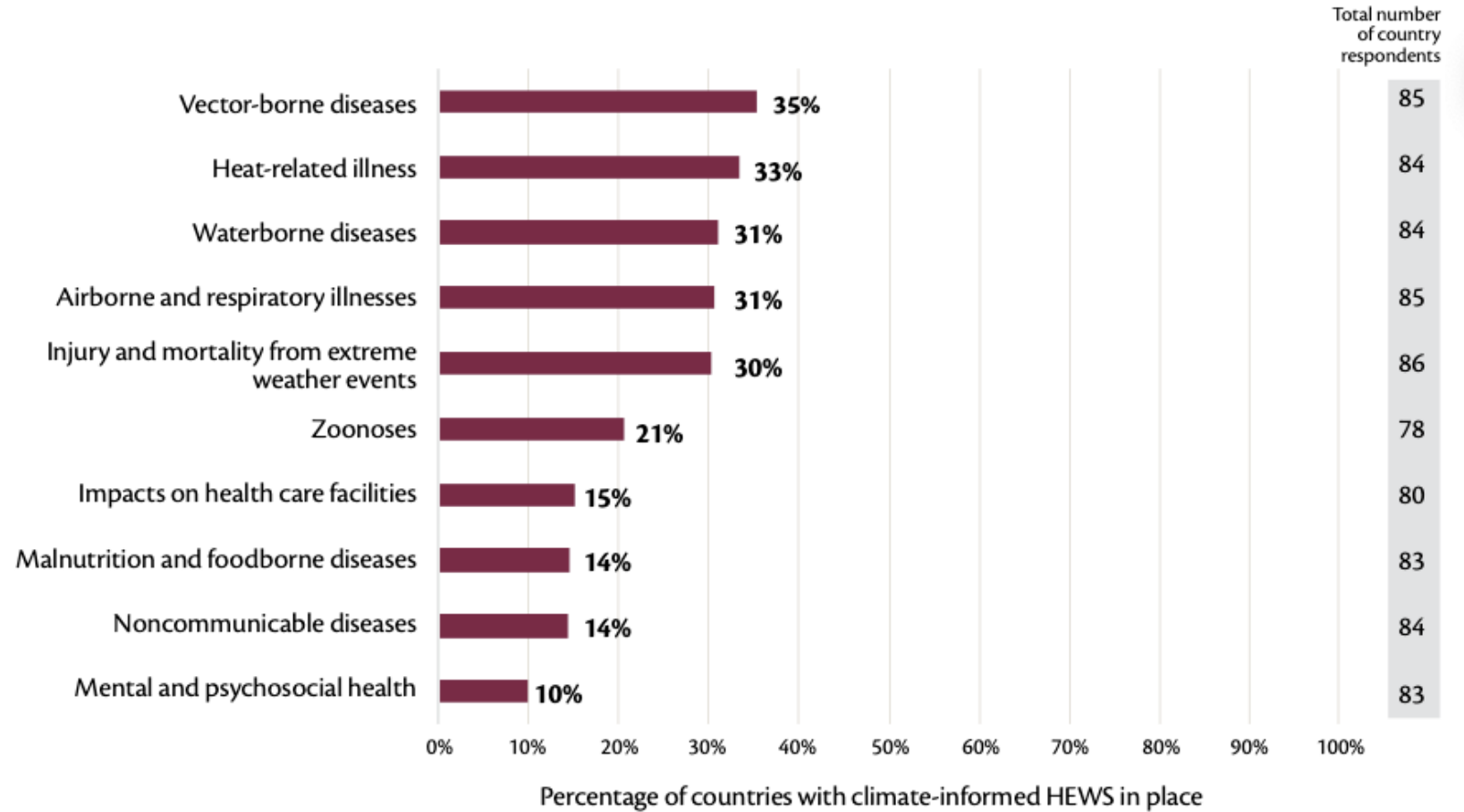
2021 WHO health and climate change global survey

Number of surveyed countries that reported having a health surveillance system in place (centre of chart) and what percentage of these health surveillance systems include meteorological information (95 country respondents)



2021 WHO health and climate change global survey

Approximately one third of countries reported having climate-informed HEWS in place for vector-borne, waterborne, airborne diseases or heat-related illnesses



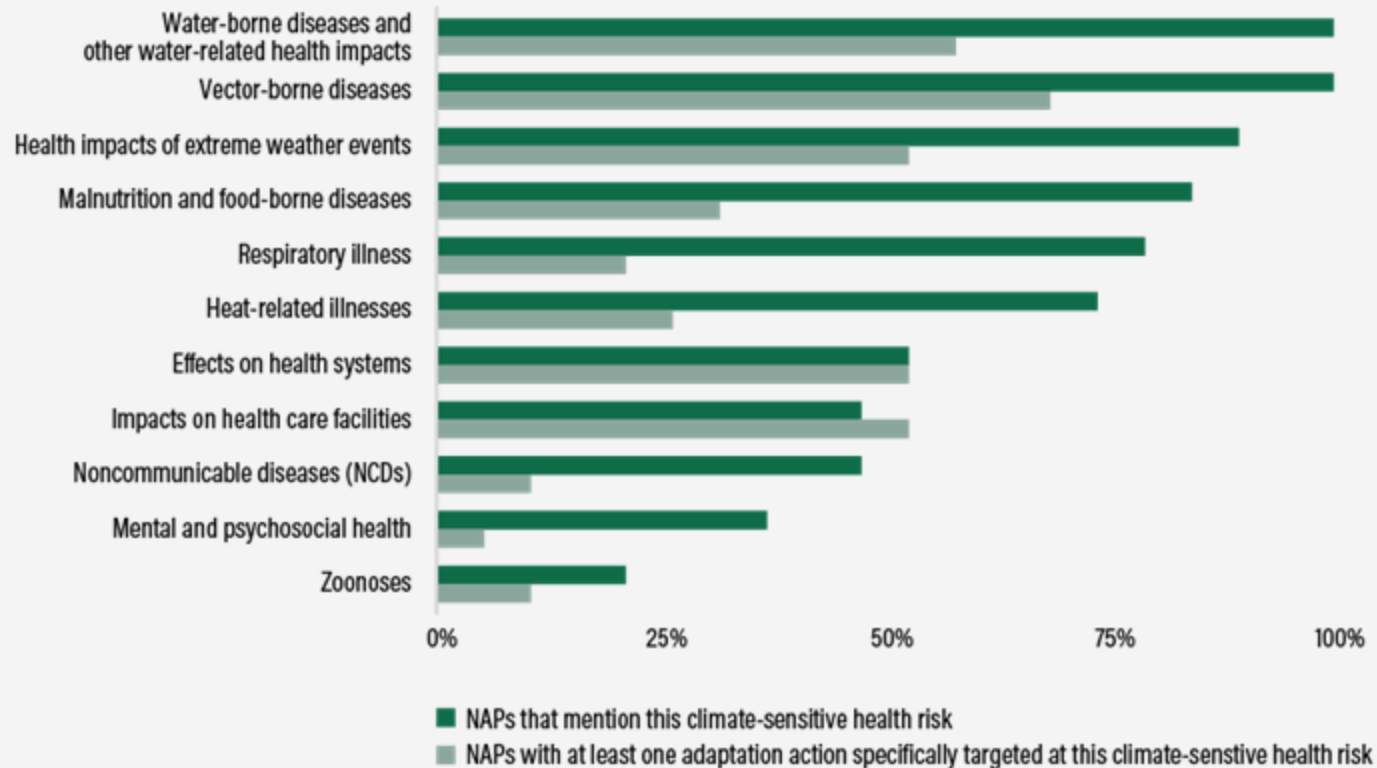
Percentage of countries that reported collaboration between the ministry of health and other institutions to strengthen evidence or research on climate change and health (95 country respondents)



Review: Health in National Adaptation Plans

There are gaps between the CSHRs identified in NAPs and **specific actions** to address them

The comprehensiveness of climate-sensitive health risks in NAPs:



Evolution of ATACH with growing attention on CCH

90 Countries
70+ Partners
5 Working Groups

2021



COP26

UK establishes COP26 Health Programme raising ambition on Climate-Resilient and Low Carbon Sustainable Health Systems.

Nov. 2022



COP27

Egypt as COP27 Presidency launches Initiative on Climate Action and Nutrition (I-CAN). I-CAN integrated into ATACH.

2024



WHA 77

77th World Health Assembly Climate change and health resolution (ATACH referenced).

June 2022



ATACH formed

ATACH is formed to support country-level and global delivery of climate resilient and low-carbon health systems.



2023

COP28

COP28 UAE Declaration on Climate Change and Health endorsed by 151 Member States. ATACH referenced in declaration as a key collaboration initiative.





Read the reports here:

