



United Nations
Climate Change



COP29
Baku
Azerbaijan

Climate Change & Epidemics Report 2024
How Epidemics are being Amplified by Climate Change

Call for Action!

The warning

Climate change has the potential to aggravate over 50% of known human pathogens

Call to Action:

Governments, academic institutions, private sector industries, and health organizations must unite to combat the threat of climate change on health by:

1.

Reporting
Outbreaks
Timely

2.

Strengthening
Genomic
Surveillance

3.

Prioritizing
Vulnerable
Populations

4.

Promoting
Climate
Resilience

5.

Committing
Sustainable
Funding

1. Reporting Outbreaks Timely

- Immediate and transparent reporting of infectious disease outbreaks are paramount.

> GOVERNMENT & HEALTH ORGS

Governments and health organizations should commit to reporting outbreaks promptly and openly, sharing crucial data with relevant stakeholders.

> TRANSPARENCY IS ESSENTIAL

Transparency is essential for global preparedness and response efforts.



2. Strengthening Genomic Surveillance

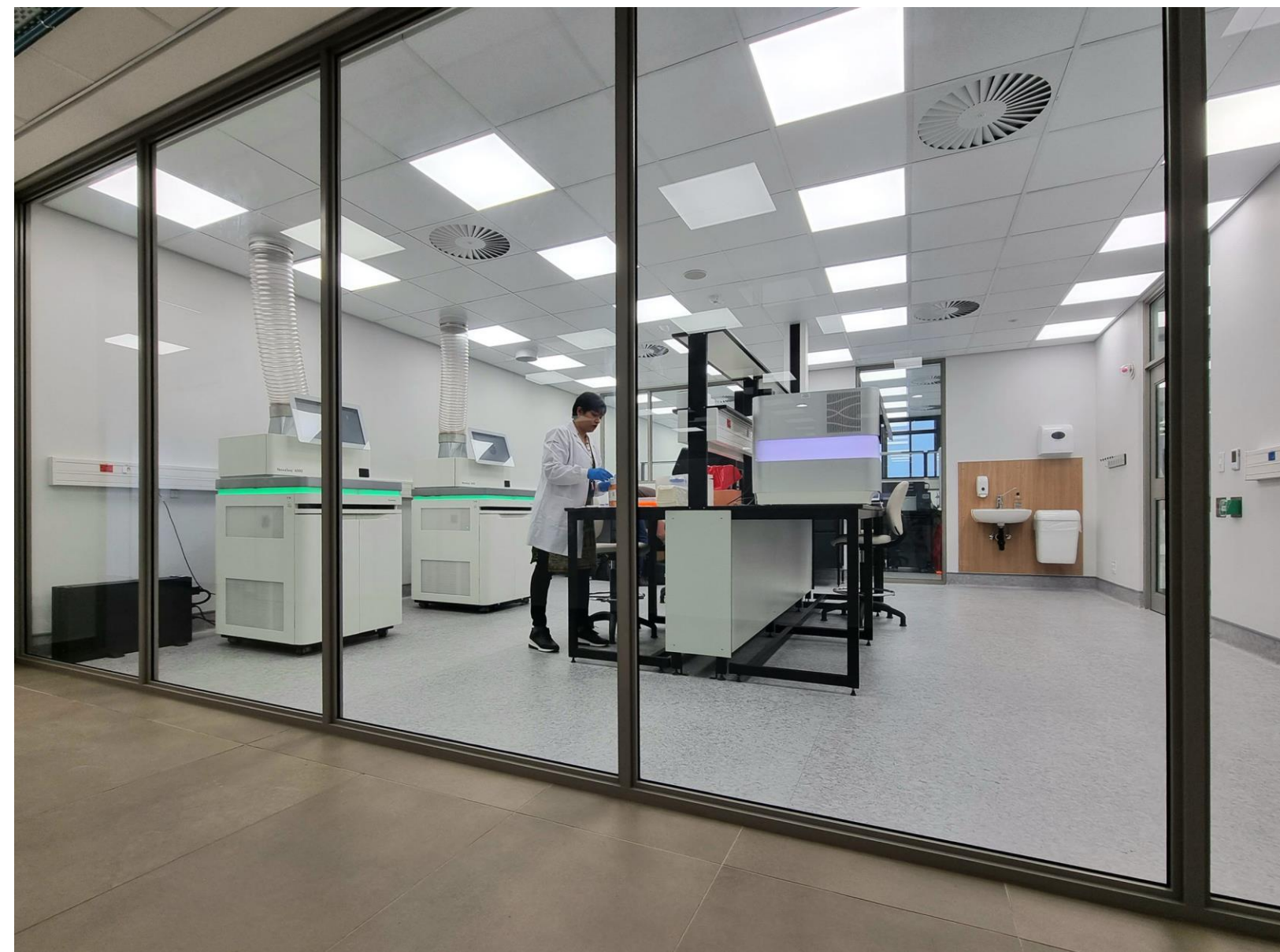
- Immediate and transparent reporting of infectious disease outbreaks are paramount.

> GOVERNMENT, ACADEMICS,
INDUSTRY & HEALTH ORGS

Governments, academic institutions, and health organizations must invest in and expand genomic surveillance capabilities to monitor the spread and evolution of infectious diseases.

> OPEN GENOMIC DATA IN REAL-TIME

This will enable early detection and response to emerging threats, allowing us to prevent outbreaks before they escalate.



3. Prioritizing Vulnerable Populations

- To save lives and stop spreading of diseases prioritize vulnerable populations

> THE MOST VULNERABLE POPULATIONS CONTRIBUTED THE LEAST TO CLIMATE CHANGE

The most vulnerable communities are disproportionately affected by the intersection of climate change and infectious diseases.

> INVEST IN RESILIENT HEALTHCARE

Governments and private sector industries must prioritize these populations by investing in resilient healthcare systems, infrastructure, and disaster preparedness measures.



4. Promoting Climate Resilience

- Immediate and transparent reporting of infectious disease outbreaks are paramount.

> COLLABORATION BETWEEN GOVERNMENT, INDUSTRY & ACADEMICS & NGOs

Should collaborate to develop innovative solutions that enhance climate resilience within healthcare systems.

> INFRASTRUCTURE THAT WITHSTAND EXTREME WEATHER

This includes designing infrastructure to withstand extreme weather events and ensuring the availability of essential medical supplies during crises.



5. Committing Sustainable Funding

- Sustainable and increase funding will be needed to fight epidemics. As shown in COVID-19 the economic effect of a pandemic can be devastating.

> GOVERNMENT & PRIVATE

Governments, private sector industries, and health organizations must commit to sustainable funding dedicated to the fight against climate change-related infectious diseases.

> SUPPORT RESEARCH & CAPACITY BUILDING

This funding should support research, capacity-building, and community engagement to create a robust defense against these converging threats.





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