Pathways Health

De-risking climate finance for health systems

“When the floods came, we lost power for 3 days. We had to evacuate 47 patients, including 12 newborns. Two didn’t make it.”

— District Health Officer, Mozambique, 2024

1 in 3 healthcare facilities in climate-vulnerable regions experienced climate-related disruption in 2024. (Source: WHO Climate & Health Survey)

The Human and Economic Cost of a System at Risk

2.2 Billion People

Served by climate-vulnerable healthcare facilities worldwide, highlighting the massive scale of exposure. (Source: WHO, 2023)

4.5x Higher Risk

Healthcare facilities in Low- and Middle-Income Countries (LMICs) face significantly greater climate disruption risk compared to those in high-income countries.

$43 Billion Annual Loss

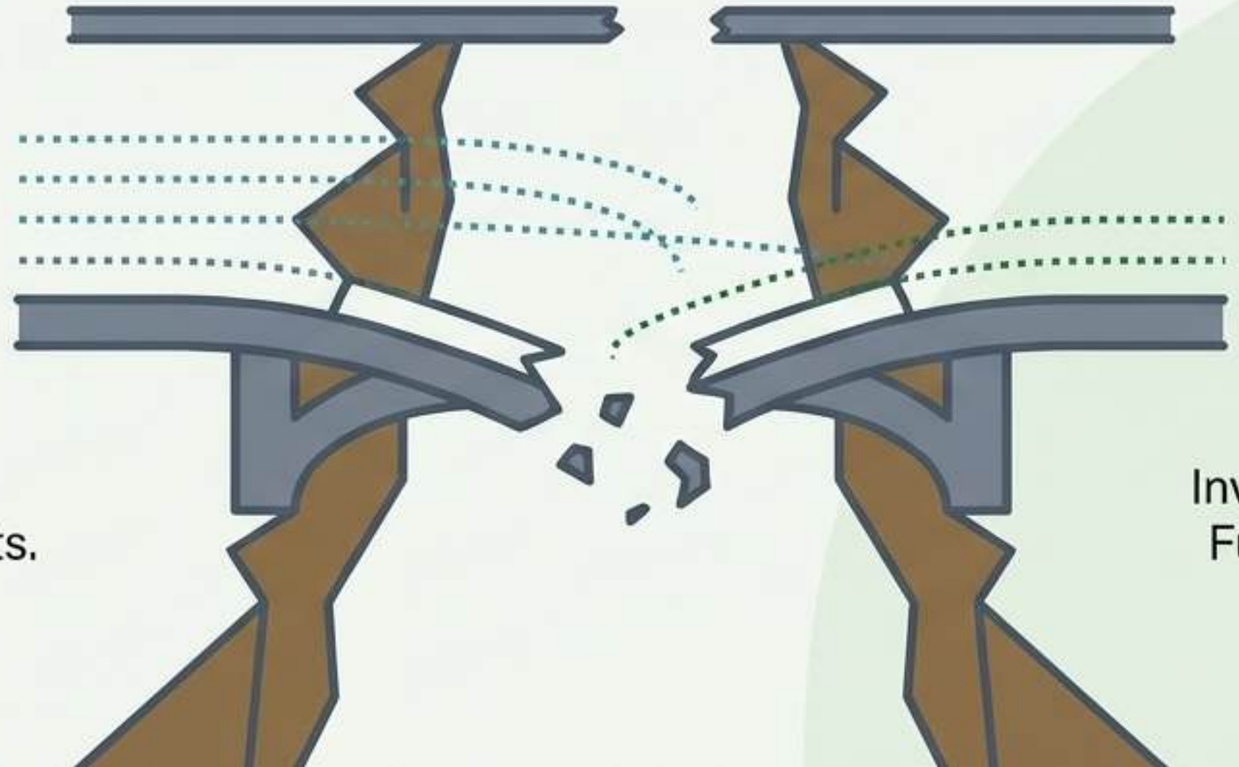
The direct cost in health outcomes attributable to climate-damaged infrastructure, underscoring the severe economic toll.

The Critical Gap Blocking Climate Finance

"We know facilities are vulnerable. What we don't have is standardized, comparable data to justify investments."

Known Vulnerabilities

Costly, slow, and inconsistent assessments. Inconsistent data.



Climate Finance

Investment decisions stalled. Funds remain inaccessible. Risk is unquantified.

From Guidance to Action: A Standardized Framework for Resilience

To bridge the financing gap, health systems need a universal standard for measuring climate risk and resilience. We have operationalized the WHO's global guidance into an actionable assessment framework.

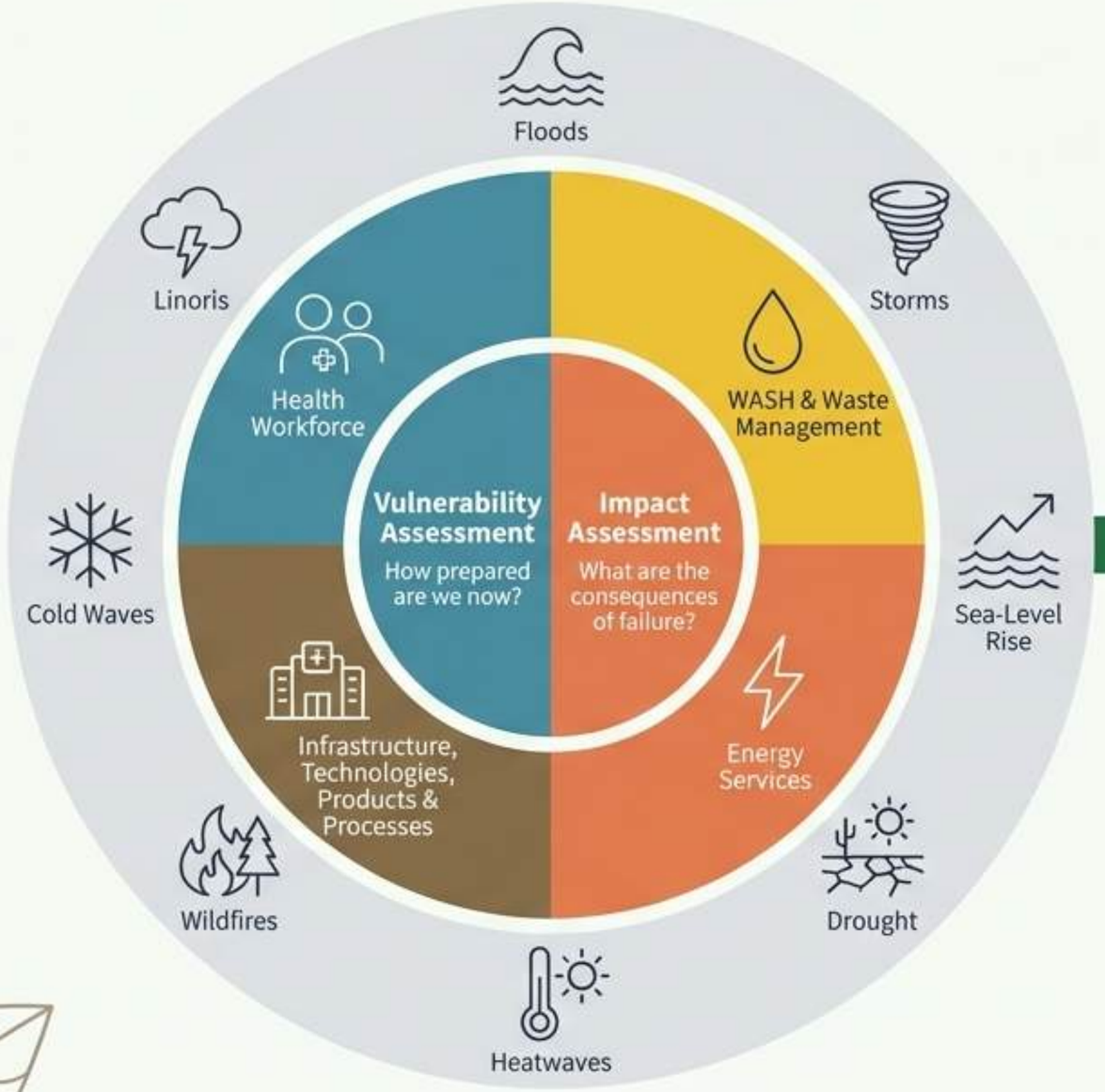
World Health Organization

Built upon the WHO Guidance for climate-resilient and environmentally sustainable health care facilities (CRESHCF).

Pathways Health

An Actionable, Finance-Ready Framework.

One Framework to Assess, Measure, and Act



The 7 Climate Hazards (Inputs)

Finance-Ready Resilience Baseline.

A Holistic View: The Four Pillars of a Resilient Health Facility

Workforce Capacity

Ensuring a sufficient number of skilled health workers are empowered and operating in safe conditions to respond to climate challenges.

WASH & Waste Management

Strengthening the capacity of facilities to manage risks to water, sanitation, and waste systems, ensuring services are sustainable and climate-resilient.

Energy Services

Managing energy-related risks to workers and patients by ensuring reliable, sustainable, and climate-resilient energy systems.

Infrastructure & Operations

Adapting buildings, technologies, and supply chains to ensure they are climate-resilient and support enhanced health service delivery.

A Clear Path from Assessment to Action

1

Identify Hazards

Select the climate hazards most relevant to your facility's specific location and context.

2

Assess Vulnerability

Answer targeted questions to determine the current level of preparedness for each hazard across the four pillars.

3

Evaluate Impacts

Rate the potential severity of consequences if systems fail under climate stress.

4

Generate Baseline

Combine assessments to calculate an overall resilience score, pinpointing critical gaps and vulnerabilities.

5

Create Action Plan

Use the findings to develop a prioritized, evidence-based plan of targeted adaptation measures.

Two Lenses for a Complete Picture: Vulnerability and Impact

Vulnerability Checklists

How prepared is the facility to respond?

High Vulnerability: Unprepared; unable to respond. (Higher Risk)

Medium Vulnerability: Basic or incomplete preparation. (Medium Risk)

Low Vulnerability: Prepared; able to respond. (Lower Risk)

Impact Checklists

What is the severity of the consequences?

MAJOR: Severe consequence or widespread disruption.

MODERATE: Significant consequence, localized disruption.

MINOR: Minimal consequence, localized disruption.

"This dual approach allows for a risk matrix analysis, prioritizing actions where high vulnerability meets major potential impact."

The Framework in Practice: Assessing Flood Resilience

Workforce

Is the health workforce equipped with an emergency plan for shift relay or replacement to ensure staff get adequate rest?

WASH

Does the facility have nonreturn valves installed on water supply pipes to prevent backflows?

Energy

Does the facility have an emergency backup generator (including fuel) located in a secure, elevated place protected from flood waters?

Infrastructure

Are critical services and equipment located safely above projected flood levels?

Hundreds of such targeted questions provide a granular, actionable baseline for each of the seven major climate hazards.

From Months to Hours, From Ambiguity to Actionable Data

Traditional Assessment

- **Time:** 3–6 months per facility
- **Cost:** €500–€1000+ per assessment
- **Output:** Inconsistent, non-standard reports. Hard to compare or aggregate.

Standardized Framework

- **Time:** **2-4 hours** per facility
- **Cost:** Drastically reduced through digital self-assessment.
- **Output:** **Standardized, finance-ready documentation.** Immediately comparable across facilities, regions, and countries.

The End-to-End Journey: From Assessment to Approved Funding

Facility Manager

Initiates the Pathways Health digital assessment.

2-Hour Digital Checklist

Completes the comprehensive, WHO-aligned vulnerability and impact assessment.

Automated Funding Report

Instantly receives a tailored report, pre-formatted for major climate finance applications.

Green Climate Fund Application

Submits a robust, evidence-based application using the generated documentation.

Funding Approved

Secures critical capital to implement resilience-building measures.

“Standardizing the data is the fastest path to unlocking the funds.”

A Proven Multiplier for Climate Health Investment

Every €1 spent on resilience assessment enables €15-20 in climate financing applications.

By providing standardized, credible, and verifiable data, the framework de-risks investment for climate funds and development banks. It transforms vulnerability from an unquantifiable risk into a financeable portfolio of adaptation projects.

For Health Systems

Unlocks access to previously unattainable funding.

For Funders

Provides the data needed for due diligence and impact measurement.

For Governments

Strengthens national health security and supports NDC commitments.

The Path to a Global Standard for Health System Resilience

2026: Prove the Model

- 500 facilities across 10 countries
- 3 government licenses
- Official WHO partnership

2027: Achieve Regional Dominance

- 5,000 facilities across 30 countries
- 20 government licenses
- Becomes required documentation for Green Climate Fund applications

2030: Become the Global Standard

- 60,000+ facilities on the platform
- Recognized in national adaptation plans (NDCs)
- Integrated with all major climate funds, protecting 300M+ patients annually

> **“Health systems are the first responders to climate change—yet they’re often the first casualties.”**
>
> — Dr. Maria Neira, WHO Director of Environment, Climate Change and Health

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Health systems cannot protect people if they cannot protect themselves. Let’s build the infrastructure to ensure they can.

From guidance to funded, measurable resilience.

Team

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