Seattle
Excessive Heat Warning
ational Weather Service: Excessive Heat
arning in Seattle and vicinity.

HealthinClimate Hackathon

CareCast

By Storm Logic

Forecasting Health, not just Weather

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Our interdisciplinary team combines medical and policy expertise, technical innovation, and climate science to tackle climate-related health challenges. Together, we bring perspectives from healthcare delivery, urban planning, climate science, and technology to create solutions that protect vulnerable populations from extreme weather.

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What is the problem you are targeting to solve?

One-Size-Fits-All Weather

Standard weather apps treat all users identically, ignoring individual health vulnerabilities to climate conditions.

Vulnerable Populations at Risk

Extreme weather drives vulnerable patients—elderly, pregnant women, chronic disease patients—into emergency rooms.

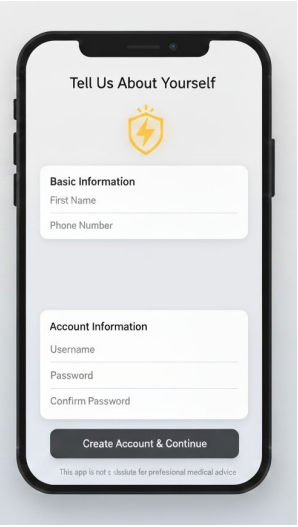
Healthcare System Strain

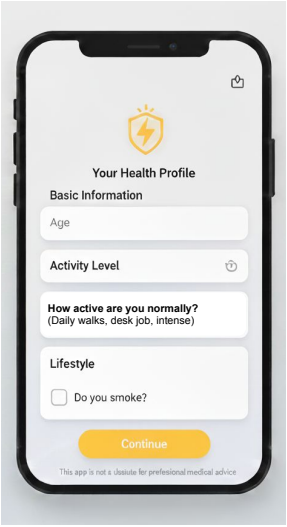
When heat waves, cold snaps, wildfire smoke, and storms hit, we predict surges and divert non-urgent cases from crowded ERs.

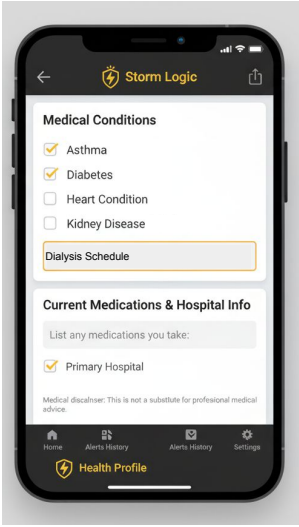
Starting in NYC: Reduce preventable hospitalizations, improve healthcare system resilience, and protect vulnerable populations through personalized climate health intelligence.

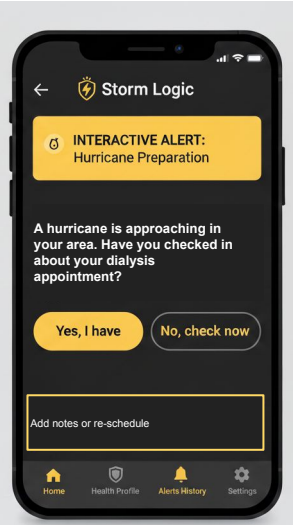
What is your solution?

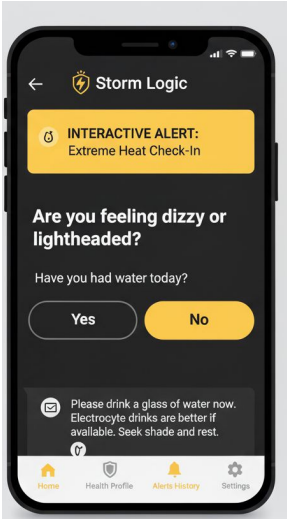
Personalized weather & health companion with AI-powered insights

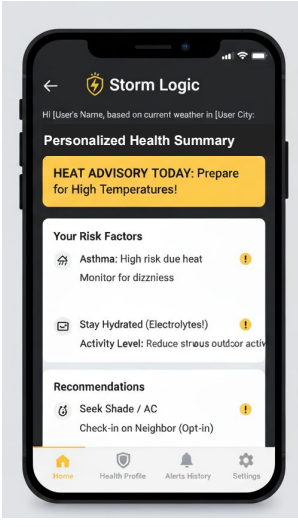












How does it work?

Simple Onboarding

Users sign up with just phone number and zip code for SMS alerts. Users can opt-in for in-app personalization for medications, medical conditions, and risk factors.

AI Risk Analysis

Our algorithms analyze weather data from FortyGuard and the National Weather Service, against individual health profiles to identify personalized risk levels.

Proactive Alerts

Text messages delivered before, during, and after extreme weather events with actionable recommendations, in the language of your choice.

Continuous Learning

Machine learning improves alert accuracy and timing based on user feedback and health outcomes data.

Unlike generic weather apps that tell you it's 100°F, CareCast tells you: "Because you take diuretics, drink extra water and avoid midday sun exposure."

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Why is it meaningful?

500-600%

ER Visit Increase

784 heat-related ER visits

(NYC Dept of Health, 2024)

$750-20,000

Cost Per Visit (HCUP)

ER Cost $750

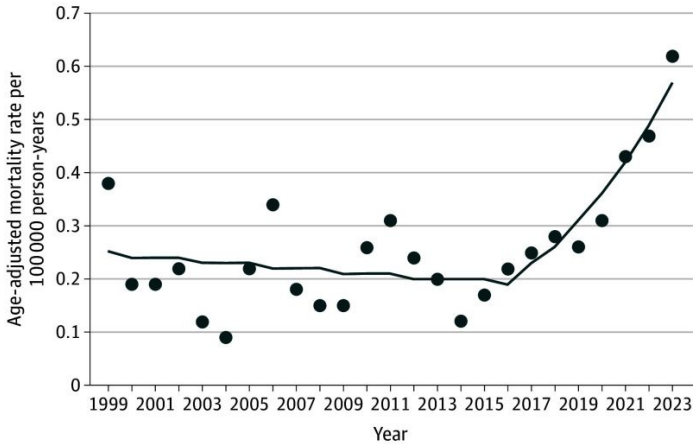
Hospitalization $12,000-20,000

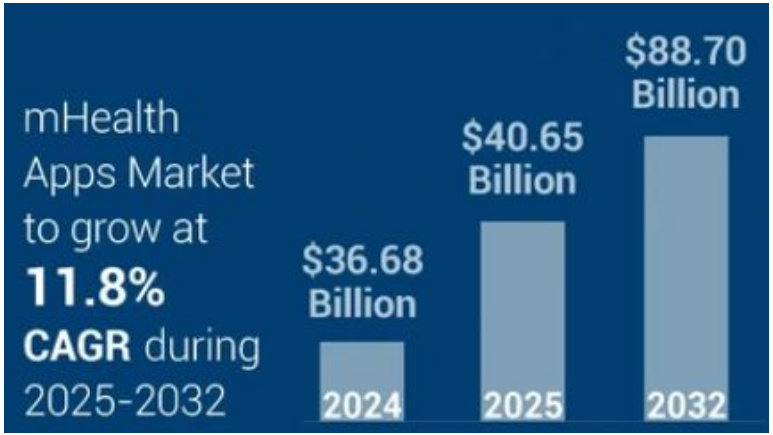
Up to $15m

Potential Cost Savings per Weather Event

Not including health benefits, psychological safety, and other benefits of our technology

Heat-Related Mortality is increasing across the US (CDC WONDER Database).





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What would you do with more support?

Funding

Seed capital for product development, clinical validation studies, and market expansion

Weather Data

Access to hyperlocal predictive severe weather algorithms

Strategic Partnerships

Healthcare systems, insurance companies, and public health organizations

1

Enterprise API Development

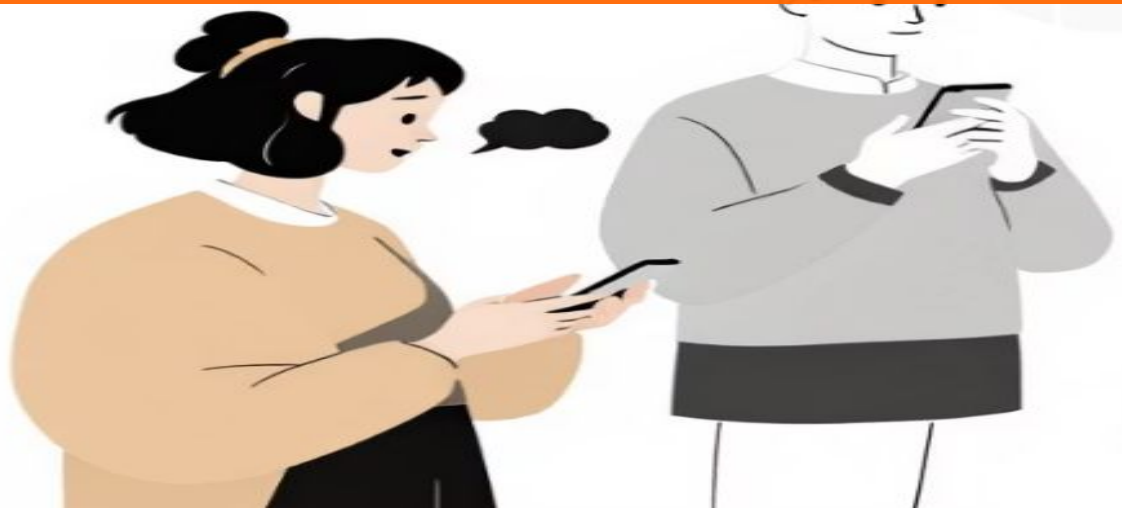
Build proprietary APIs for population-based healthcare organizations such as NYC Health, insurance companies, and hospital systems to integrate climate health intelligence.

2

Consumer Platform Expansion

Scale to become the premier personalized weather app used daily, even during normal weather conditions, building user engagement and data insights.

Product Demo



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