## Unprecedented Preparedness in the Age of Unprecedented Disasters

In an era of unprecedented environmental public health threats, staying ahead of the curve is paramount. That's why the National Environmental Health Association (NEHA), with funding support from CDC/ATSDR/NCEH, is excited to introduce a new solution poised to revolutionize how organizations plan for and respond to emergencies: the **AI-Driven Simulation Designer**, part of our soon-to-launch **Disaster Readiness Simulator**.

## Harnessing advanced AI to create hyper-localized, realistic disaster scenarios, this groundbreaking platform helps you:

- Identify vulnerabilities before they become crises.
- Develop targeted, data-rich response strategies.
- Strengthen your organizational resilience and safeguard public health.

### What You'll Experience:

- Live demonstration of the AI-Driven Simulation Designer
- Mock simulation planning session revealing real-world applications.
- Valuable insights from a panel of thought leaders, including Mark Miller, Meghan McGinty, Mimi Kothari, Stockton Trujillo, Sandra Long, and Tim Hatch.

This innovative technology—developed in partnership with federal, state, and local agencies, academic researchers, and private-sector leaders—equips you with scalable, forward-thinking approaches to emergency preparedness.

We hope you'll join us to explore how the AI-Driven Simulation Designer can strengthen your planning and provide new tools for effective disaster readiness.

 $\mathbf{N}$ 

 $\mathbf{b}$ 

ŵ

P

Œ

Œ

## Join Our Webinar

January 22, 2025 1:00–2:30 PM ET Reserve Your Spot! Register Here

### Introduction by James Gooch

Facilitated by Jesse Bliss & Justin Snair

View EPHEPR View My Data

# neha

National Environmental Health Association

neha.org

Edit

add more details, include more addresses and points of interest, gov buildings, etc

Let's integrate the details provided into a comprehensive pandemic scenario for Neha County. This scenario will focus on the environmental public health challenges posed by the ongoing pandemic, emphasizing the critical functions of ensuring emergency shelter safety and maintaining food supply integrity.

include more damage

Let's develop an initial scenario for the pandemic response in Neha County, focusing on the critical EPHEPR functions you've selected: assuring the safety of emergency shelters and the integrity of the food supply. This scenario will explore how public health policies, social dynamics, and workforce

#### Pandemic + Hurricane - Scenario Design

In Neha County, the ongoing pandemic continues to pose significant challenges to public health authorities. With a highly contagious novel respiratory virus spreading through the community, the local government has been focused on ensuring the safety and well-being of its residents. The county has implemented a range of public health measures to curb the virus's spread, including mask mandates, social distancing protocols, and enhanced contact tracing efforts. These interventions are designed to reduce transmission rates and protect vulnerable populations, but they also require significant resources and coordination among various agencies.

The pandemic has strained the county's healthcare system, with hospitals operating near capacity and healthcare workers facing increased workloads. Staffing shortages have been exacerbated by the virus's impact on the workforce, leading to challenges in maintaining essential public health services. The county's public health officials are working closely with partners to address these shortages, reallocating staff and resources to ensure that critical functions, such as communicable disease control, continue to operate effectively.

As part of their response strategy, Neha County's public health authorities have prioritized the safety of emergency shelters and the integrity of the food supply. With the potential for increased demand on these services, the county has conducted environmental health assessments of shelter conditions to ensure they meet safety standards and prevent virus transmission. Additionally, ongoing assessments of the food supply and delivery systems have been conducted to ensure that residents have access to safe and nutritious food, particularly those in high-risk areas.

The county's response is quided by data-driven decision-making, with public health measures regularly

Enter your message here