Texas Epidemic Public Health Institute

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Objectives

- ✓ Explain why TEPHI was created
- ✓ Recognize TEPHI's major focus areas
- ✓ Describe opportunities to connect & collaborate

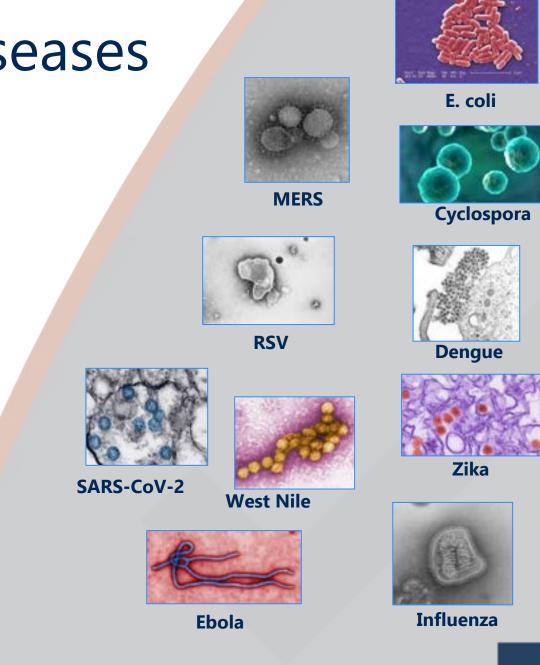
Global Health Threats

- New microbes
- Globalization
- Drug resistance
- Accidental or intentional releases
- Pathogens in the wrong hands



Impact of Infectious Diseases

- Constant
- Costly
- Affects all facets of life
- Exposes gaps in knowledge and equity



About TEPHI

Mission:

To keep Texans safe & the economy strong by strengthening the capacity & resiliency of Texas communities to respond to future infectious disease outbreaks



SETRAC 2022 Preparedness Coalition Symposium Galveston, TX | November 2022





Texas Public Health Summit Houston, TX | October 2023

Established to:

- Support a strong public health workforce
- Prepare Texans for public health threats related infectious diseases
- Promote a strong economy resilient to infectious diseases

UTHealth Houston)

Located w/in UTHealth Houston

- Cizik School of Nursing
- McGovern Medical School
- MD Anderson UTHealth Graduate School of Biomedical Sciences
- School of Dentistry
- McWilliams School of Biomedical Informatics
- School of Public Health





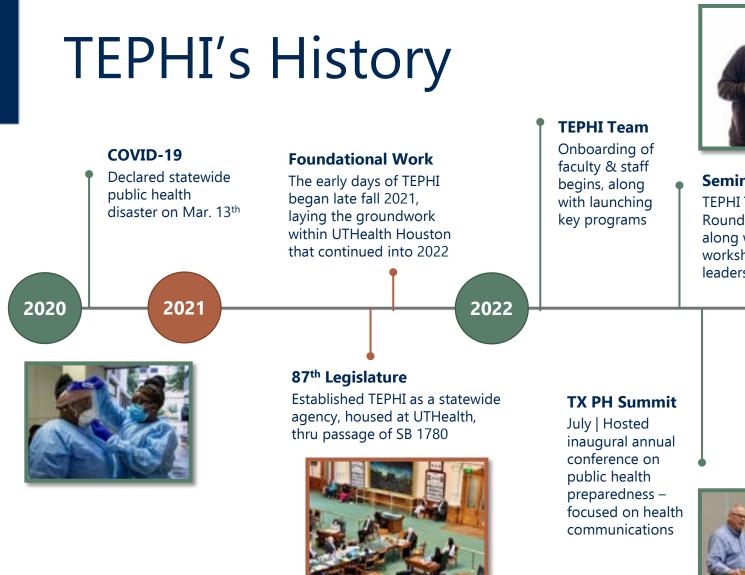
Led by UTSPH

- 4th largest in the nation
- Campus system facilitates collaboration with local stakeholders

Benefits of Academic Affiliation

- Access to scientific & medical expertise throughout the academic & research enterprise
- Access to robust public health network & capabilities of UTHealth Houston School of Public Health
- Leverage institutional resources





#UTHealth Houston TEPH TEXAS EPIDEMIC PUBLIC HEALTH INSTITUTE



Seminars & Workshops TEPHI Talks and Grand Rounds seminars begin, along with many workshops for community leaders statewide

2023



Program & Partner

partnerships and resource

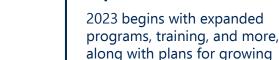
offerings across Texas.

Expansion



August | Launched online certificate program in pandemic preparedness, free to all Texas residents





Collaborations are Critical

- Governmental agencies at all levels
- Regional & state-wide organizations
- Academic institutions
- Professional associations
- Business entities
- Community organizations
- Faith-based organizations



TEPHI's Focus Areas



Readiness Initiatives



Early Detection

Monitor wastewater to detect the spread of pathogens and develop reporting protocols

Epidemiology Preparedness Partnership Initiative

Strengthen capability for the early detection and investigation of outbreaks

Lab Network



TEXAS EPIDEMIC PUBLIC HEALTH INSTITUTE

Business Operations Resiliency

Provide business sector with tools and training to maintain a healthy workforce and economic stability



Rural Healthcare Systems

Train rural hospitals in infection prevention and disseminate resource guides for rural counties



Vulnerable Populations

Strengthening community resiliency through training and networking

Food Chain Preparedness

Collaborate with stakeholders to improve supply chain resilience



Readiness Highlight: Food Chain Preparedness



Develop relationships with food industry partners and employees



Provide culturally-relevant training to improve employee health & safety



Distributing regionally-tailored resource guides for rural counties

Training & vaccine clinic for dairy workers Friona and Muleshoe, TX March 2021

Inc Cov

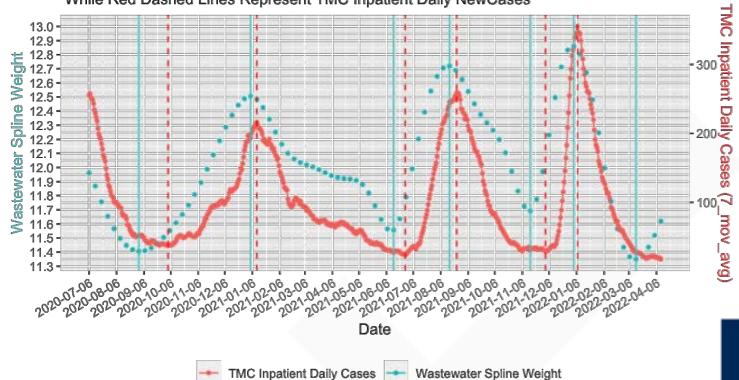


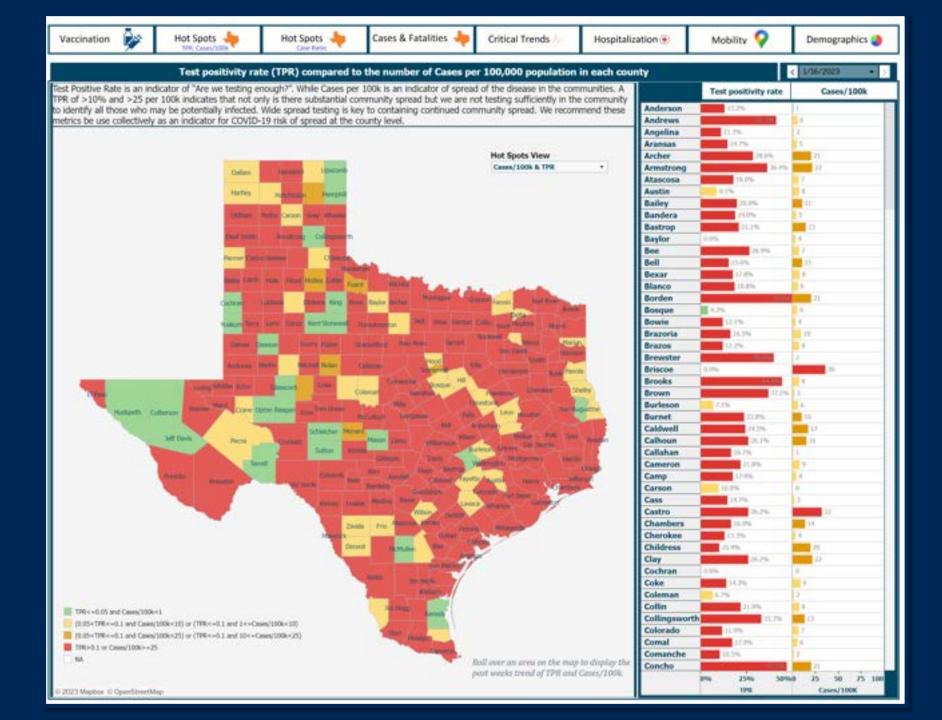
Readiness Highlight: Early Detection

TX Wastewater Consortium

- 20 sites from 9 TX cities
- 100s of viruses using 2 analytical methods
- Data visualization
- Partnership with UTSPH & Baylor College of Medicine

TMC Inpatient Daily Cases Versus CoH Wastewater Spline Verticle Blue Lines Represent Wastewater_Spline reach Local Min/Max While Red Dashed Lines Represent TMC Inpatient Daily NewCases





Readiness Highlight: UTHealth Hotwash

- In-person meeting May 2, 2023
- Discussed pandemic response
- Invited major university lines
- Supplemented with online survey



UTHealth Houston Hotwash Houston, TX | May 2023

Readiness Highlight: Hotwash Findings



UTHealth Houston Hotwash Houston, TX | May 2023

Successes

- Nimble, adaptable can-do attitude
- New collaborations forged
- New IT tech integrated successfully

Challenges

- Confusion ~ rapidly changing recs
- Staffing shortages
- Supply chain interruptions
- Stress & employee burnout

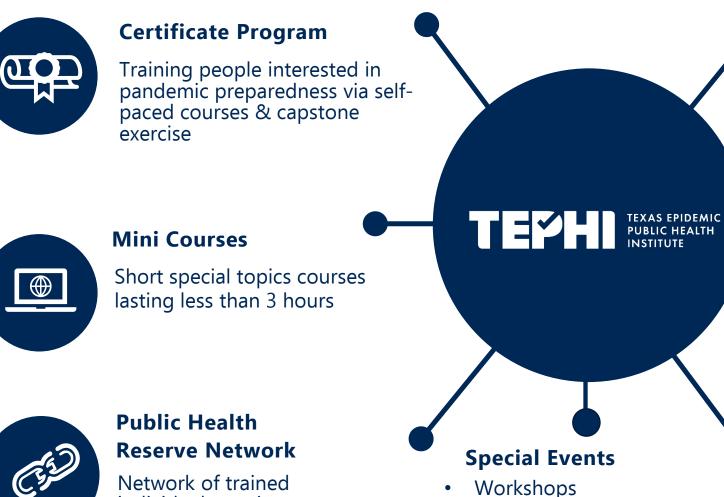
Future Recommendations

- Better communications
- More preparation & training
- Standardization of protocols
- More resources

Training

individuals serving as

community resource



- Special Presentations
- Annual TX Public Health Summit

Grand Rounds Seminars

Designed for scientists, researchers, & healthcare providers, this webinar series takes a deep dive into infectious disease topics

TEPHI Talks Seminars

Business officials come together to share best practices in infectious disease mitigation



Infection Prevention & Control Series

Designed to equip small healthcare facilities in the 5 major areas of infection prevention & control



Training

Certificate Program

- Online & No-cost
- 4 asynchronous courses
 - Fundamentals of Epidemiology
 - Foundations of Infectious Diseases
 - Surveillance of Infectious Diseases
 - PH Emergency Preparedness & Response
- 1 synchronous capstone course
 simulated PH emergency
- CE units: CME, CHES, CPH, RS, SW, NCPD

Community Health Worker Program

- Monthly training: in-person & online
- Greatest activity: Houston, El Paso, Edinburg/Brownsville, San Antonio
- Pipeline program w/ Spring ISD



Community Engagement Bootcamp Houston, TX | December 2022

Training Highlight: Certificate & CHWs

Certificate Program

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Community Engagement Bootcamp Houston, TX | December 2022

Training Highlight: Monthly Webcasts



BUSINESS TO BUSINESS SEMINAR SERIES

H-E-B | Office Depot | McKesson | Dell Technologies Johns Hopkins Bloomberg SPH Texas International Produce Association Texas Restaurant Association



View past recordings @ go.uth.edu/TEPHIYouTube

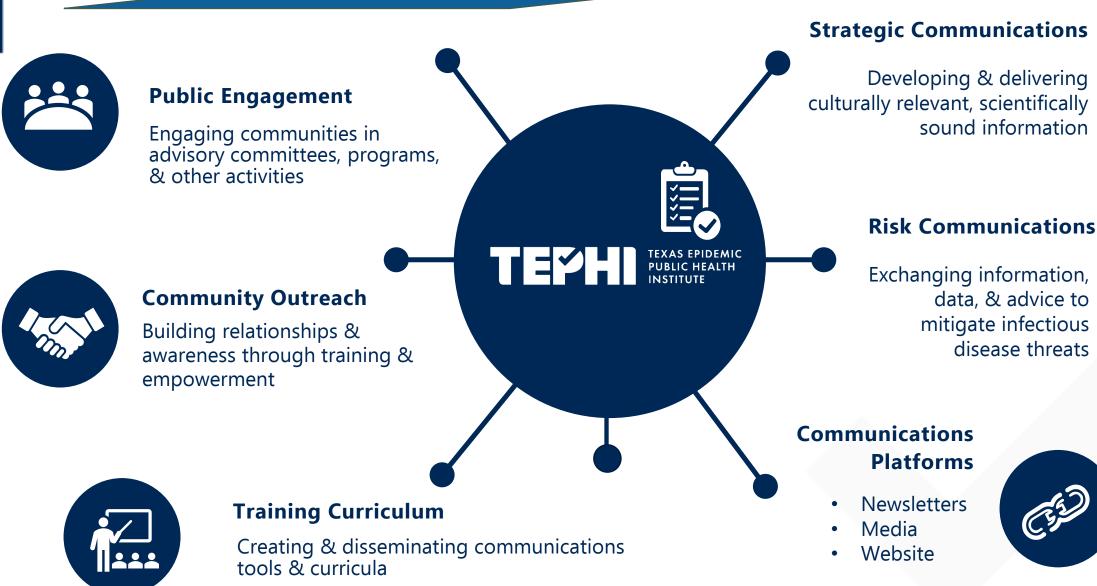




TOPICS IN INFECTIOUS DISEASE SEMINAR SERIES

Monkeypox | Adenovirus | Norovirus Wastewater Monitoring | Public Health Law Vector Borne Diseases | Avian Influenza GIS for Public Health (9/13/23)

Communications





Communications Highlight: Online Health Coms Course







HEALTH COMMUNICATION TRAINING SERIES



PANDEMIC PREPAREDNESS COMMUNICATION

Free, 60-minute course about plans to put in place before a pandemic, & best practices for communication during and after pandemic

Created in partnership w/ The **Center for Health Communications** @ the University of Texas at Austin

Opportunities to Connect



News & Updates go.uth.edu/TEPHIsubscribe



Webinars & Trainings go.uth.edu/TEPHItraining



Online Courses go.uth.edu/TEPHIcourses



Resources go.uth.edu/TEPHIresources







Special Opportunity for State Agencies

Workshop Program

- Demystify public health concepts, terms, and tools
- Operationalize public health guidance
- Customized to your agency

UTH SPH Academic Programs

MPH

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- Dietetic Internship
- Community Health Practice •
- **Environmental Health** •
- Epidemiology •
- Health Promotion & Health • Education
- Health Service Organizations
- Healthcare Management

MS

Biostatistics

PrPH Community Health Practice Health Promotion & Health Education	Learn more @ sph.uth.edu/application
hD	Other
Behavioral Sciences & Health Promotion	Customized MPH
Biostatistics	Dual Degree Programs
Environmental Science: Environmental Disease Prevention	With MPH: DDS, DMD, JD, MBA, MD, MGPS, MPAFF, MS, MSSW, MSW, Pharm, & PhD
Environmental Science: Total Worker Health	Accelerated Masters
Epidemiology	
Health Economics & Health Services Research	Certificates Degree-Seeking Certificate

• Non-degree Certificates

Healthcare Management & Health Policy

Thank You!



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TEPHI.Texas

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