The unexpected isn’t unexpected.

**DISASTERS HAPPEN**

But we tend to assume disasters only happen to someone else.
Disruption is becoming more frequent and more severe.

- **IMF World Uncertainty Index**, thousand
  - Global uncertainty has grown manifold since 2000

- **Federal Reserve Board, Geopolitical Risk Index**
  - Geopolitical risk has not been higher since 2003

- **Companies subject to a cyber breach per year**, %
  - Cyber incidents have risen 24 percentage points since 2013

- **Natural disasters per year**, number
  - Frequency of natural disasters is rising
In Year One, CHERR Faculty and staff researchers are exploring:

- Resiliency stories using narrative approaches,
- Resiliency indicators using data analytics, and
- Building a statewide network for applied resiliency research
OVERVIEW OF BASIC CONCEPTS FOR RESILIENCY RESEARCH

RISK EXPOSURE → PROTECTIVE PROCESSES AND FACTORS → DESIRED OUTCOMES
HOW CAN RESEARCH HELP INCREASE RESILIENCY?

The word resilience can describe three different processes:

1. **RECOVERY:**
   A system, whether it’s a person, community, economy, country, or natural environment returns to the same level of functioning it had before it encountered a problem.

2. **ADAPTATION:**
   A system changes to accommodate a disturbance and by doing so survives or thrives.

3. **TRANSFORMATION:**
   The environment around an individual, such their as community, the economy, or their country, is changed in ways that make it easier for a system under stress (like a person) to do well.
How can we successfully plan, adapt and/or recover from public emergencies?

- **Economic Systems** (Chamber of Commerce, Governor’s Office for Economic Development, Small Business Administration)
- **Healthcare systems** (Insurance, HC Facilities, Providers, Patient Access, HC Quality, HC Workforce Development, Retention and Burnout)
- **Community and State Leadership** (e.g., Texas Office of Emergency Planning and Preparedness, Texas Municipal League, City Councils, FEMA, Churches, Red Cross),
- **Schools** (Teachers, public school systems, TEA, Texas School Safety Center, etc.)
- **First Responders** (e.g., Police, Firefighters, City Managers, Trauma Teams, EMS, Texas State ALERRT, etc.)
- **Communication Systems** (e.g., Broadband Access and Quality, Social Media and Digital Technology, Amber Alerts, Emergency Broadcasting System, etc.)
CHERR will increase knowledge and skills to improve health and economic resiliency in Texas.

• In March of 2022, we will formally call for proposals from Texas State faculty members seeking to conduct research or hold conferences related to health and economic resiliency.

• Interdisciplinary researchers will have up to $35K to pursue resiliency research and conference activities between May of 2022 and March of 2023.

• Up to 6 projects exploring applied risk and protective factors related to health and/or economic resiliency outcomes will be funded.

• Projects that will be conducted in conjunction with public and/or private partners in Texas are strongly encouraged.

• Teams will have the opportunity to pursue an external mentor or advisor with expertise in the subject area.

• All projects must be completed (or report significant findings) by March of 2023.
QUESTIONS?

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