Melinda Villagran, PhD
mv12@txstate.edu

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.
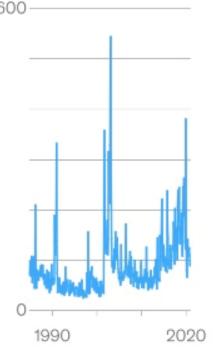
IMF World Uncertainty Index,[1] thousand	Federal Reserve Board, Geopolitical Risk Index[2]	Companies subject to a cyber breach per year, %	Natural disasters per year, number
Global uncertainty has grown manifold since 2000	Geopolitical risk has not been higher since 2003	Cyber incidents have risen 24 percentage points since 2013	Frequency of natural disasters is rising
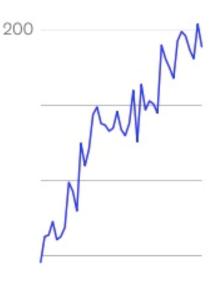
HOW CAN RESEARCH HELP INCREASE RESILIENCY?

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.

SYSTEMS THAT HELP SHAPE RESILIENCY IN OUR PERSONAL & PROFESSIONAL LIVES

- **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.)

How can we successfully plan, adapt and/or recover from public emergencies?

2022-23 FACULTY RESEARCH FUNDING OPPORTUNITIES

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?

Melinda Villagran,
Director, Texas State Translational Health Research Center
mv12@txstate.edu
512-245-4044

Community Health & Economic
Resiliency Research
CENTER OF EXCELLENCE