

International Ties: Disaster Behavioral Health with a Global Lens

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My international work:

- Lived in Morocco in 2007
 - Research on coping, faith and substance use
- 8 trips to Haiti between 2010-2012
 - Trained over 400 Haitians in Health Support Team program
- 4 trips to Jordan 2013 2017
 - Trained over 200 Jordanians, Iraqis, Palestinians and Syrians in HST
 - More research on resilience, recovery factors
- Jamaica in 2014
 - Violent crime / Community resilience conference
- Poland in 2022
 - Trained over 100 Ukrainian parents, Polish first responders, Teachers
- Libya is in the works



Internationally

Disasters

The number of disasters has increased by a factor of five over the 50-year period, driven by climate change, more extreme weather and improved reporting. But, thanks to improved early warnings and disaster management, the number of deaths decreased almost threefold.

Mental Health

Global prevalence and burden of depressive and anxiety disorders in 204 countries and territories in 2020 due to the COVID-19 pandemic.

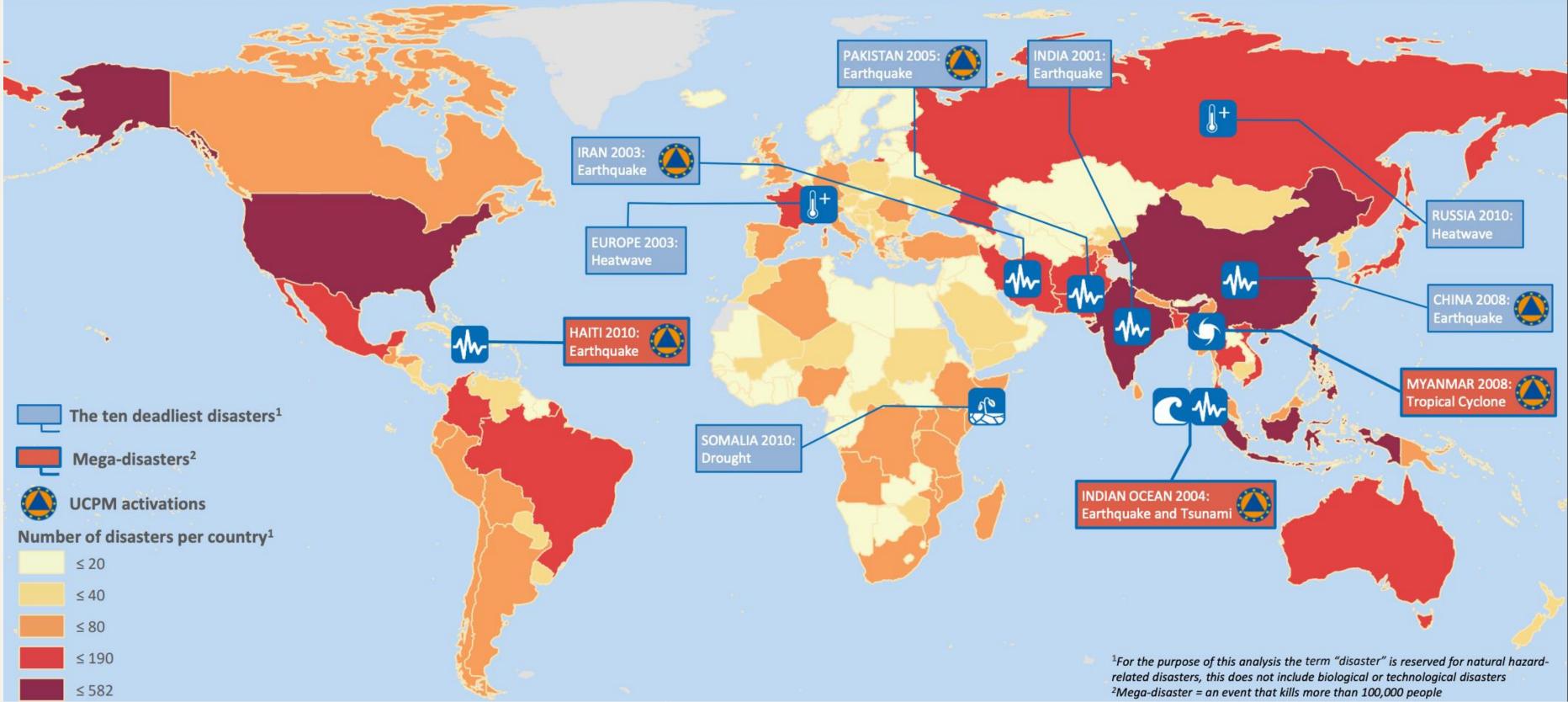


Resilience

Globally, 1 out of 4 people among the general population and health professionals experienced low resilience due to COVID-19 adversity.



DG ECHO A.3. Situational Awareness Sector | 08/12/2020 The Human Cost of Disasters (2000-2019): Deadliest Disasters and Mega-Disasters

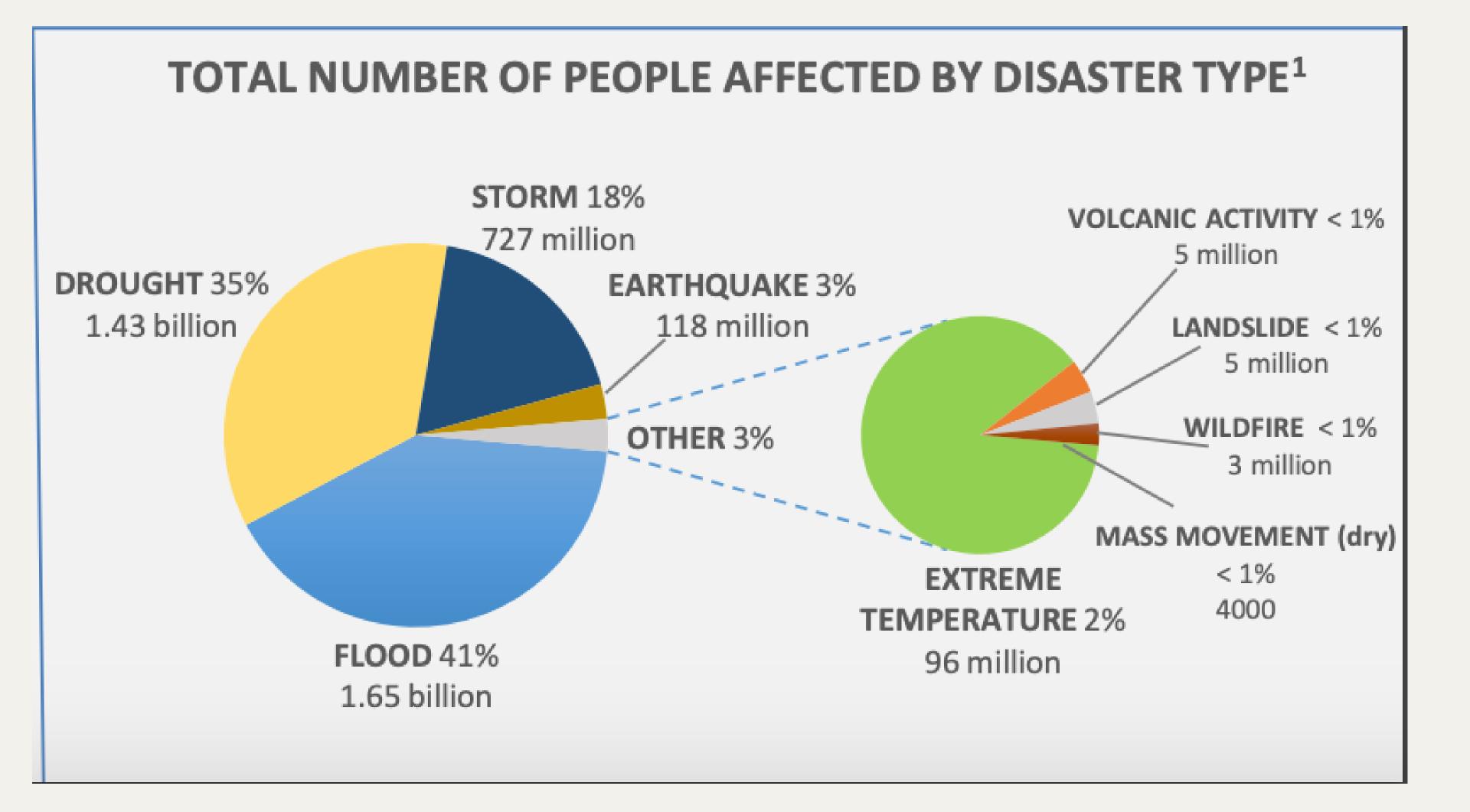


The human cost of disasters: An overview of the last 20 years (2000 - 2019); Centre for Research on the Epidemiology of Disasters, Institute of Health and Society, UC Louvain, Belgium, and the UN Office for Disaster Risk Reduction'. Disaster data sourced from the EM-DAT International Disaster Database, Centre for Research on Epidemiology of Disasters - CRED / UC Louvain, Brussels, Belgium www.emdat.be (D.Guha Sapir) NOT ALL EVENTS MAY HAVE BEEN REPORTED OR RECORDED IN THIS DATABASE. Population data sourced from United Nations, Department of Economic and Social Affairs, Population Division (2019). World Population Prospects 2019. Copyright, European Union, 2020. Map created by DG ECHO Situational Awareness Team. Sources: DG ECHO, GISCO. The boundaries and names shown on this map do not imply official endorsement or acceptance by the European Union

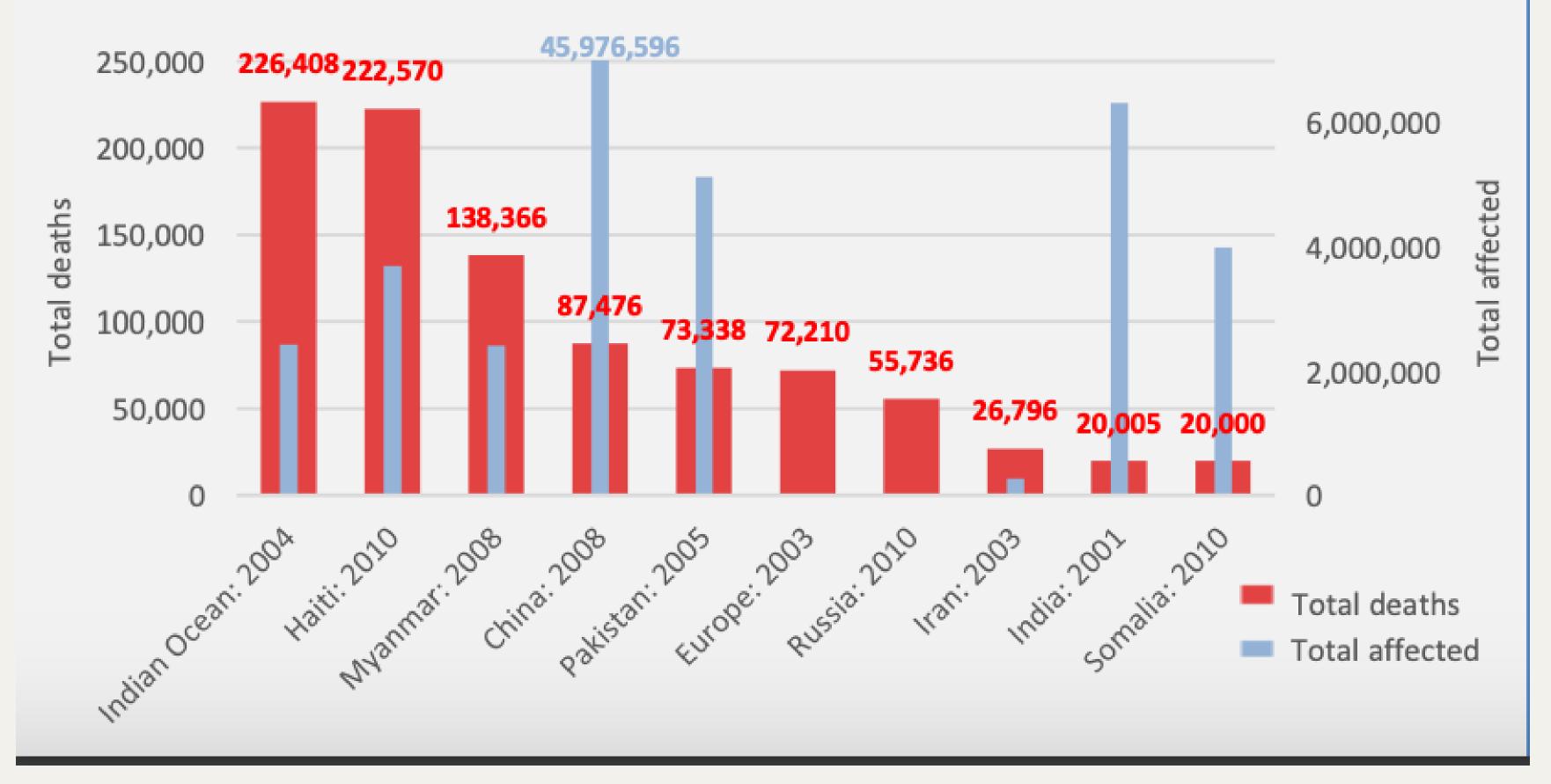




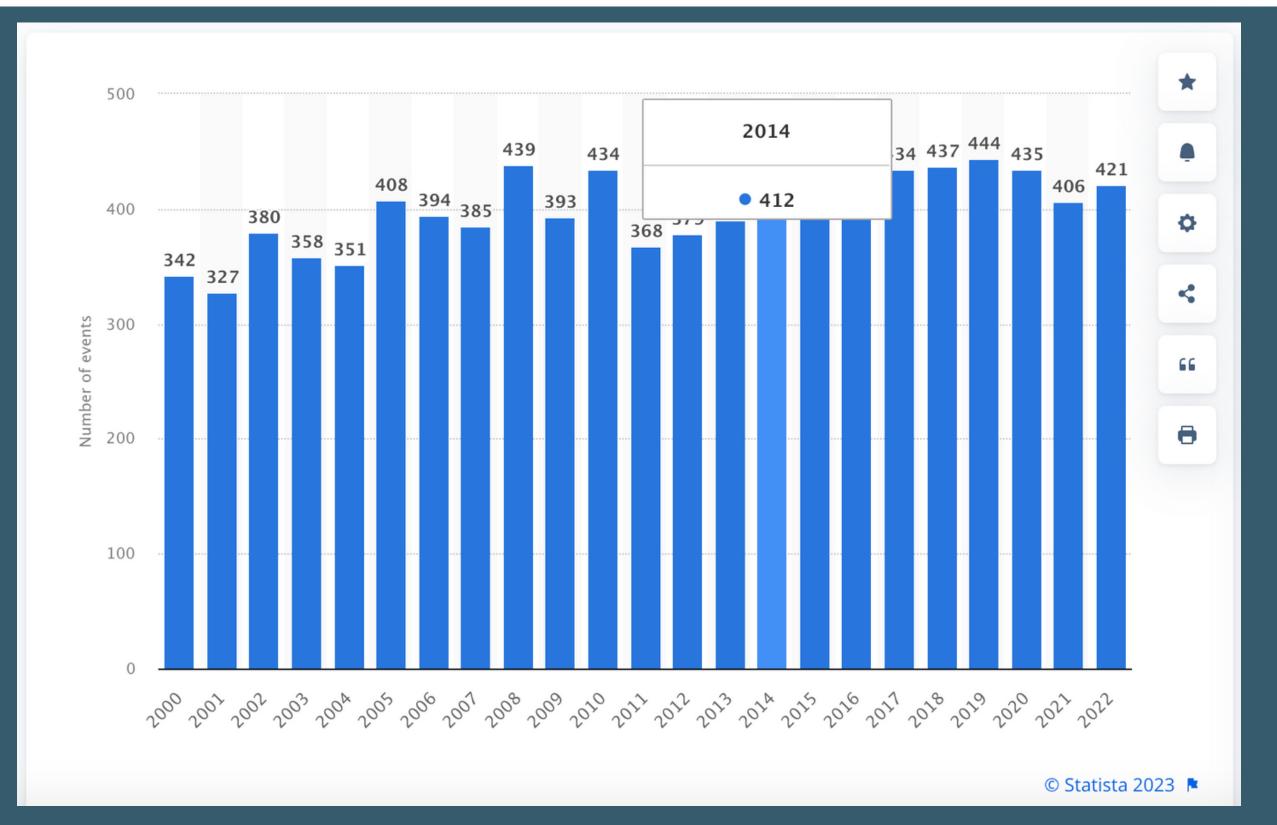
European Commission



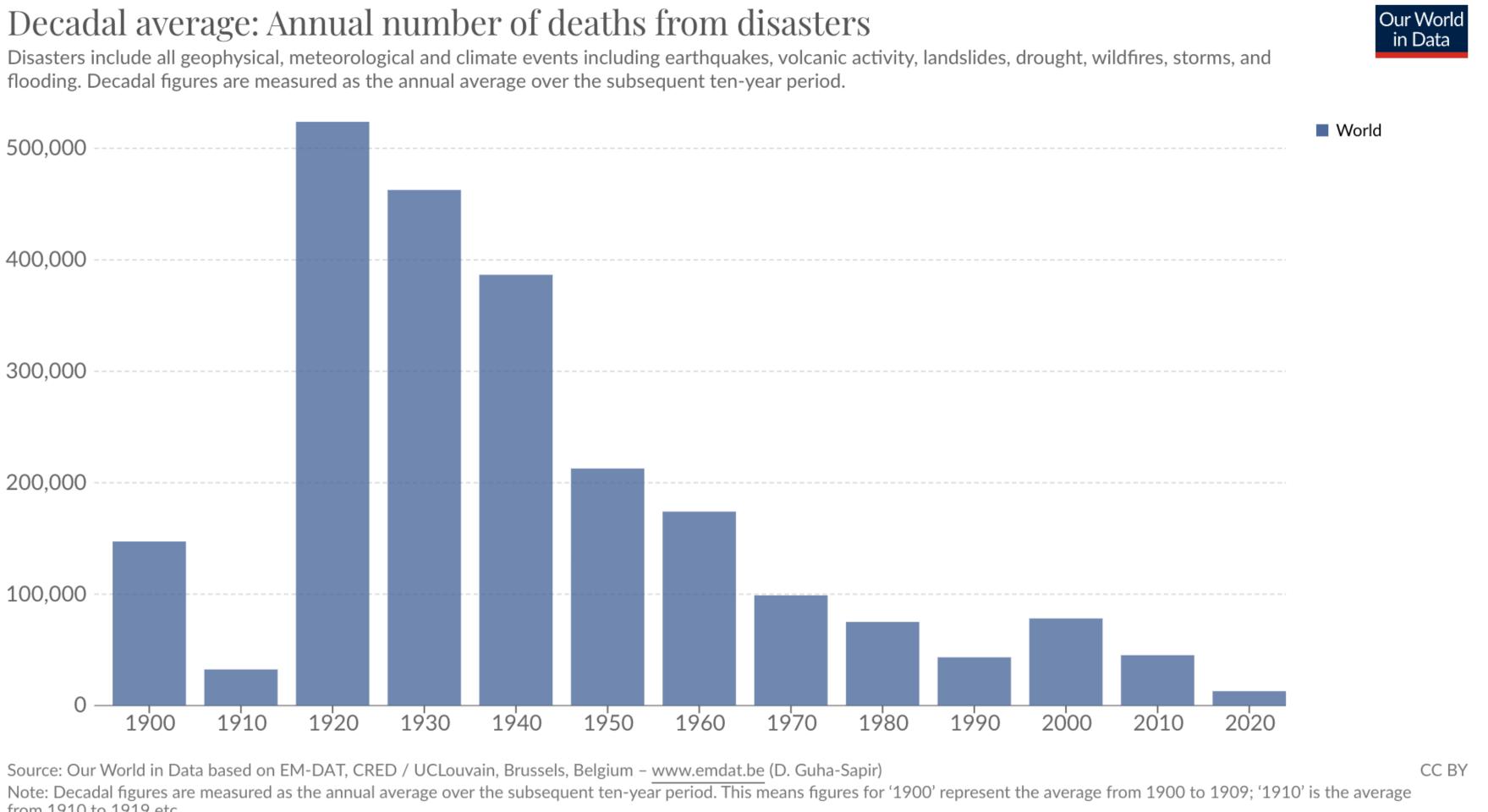
THE TEN DEADLIEST DISASTERS



Number of natural disaster events worldwide from 2000 to 2022



For an event to be characterized as a natural disaster event, at least one of the criteria must be met: economic loss of 50 million U.S. dollars; insured loss of 25 million U.S. dollars; ten fatalities; 50 injured; or 2,000 homes or structures damaged.



from 1910 to 1919 etc.

https://ourworldindata.org/natural-disasters



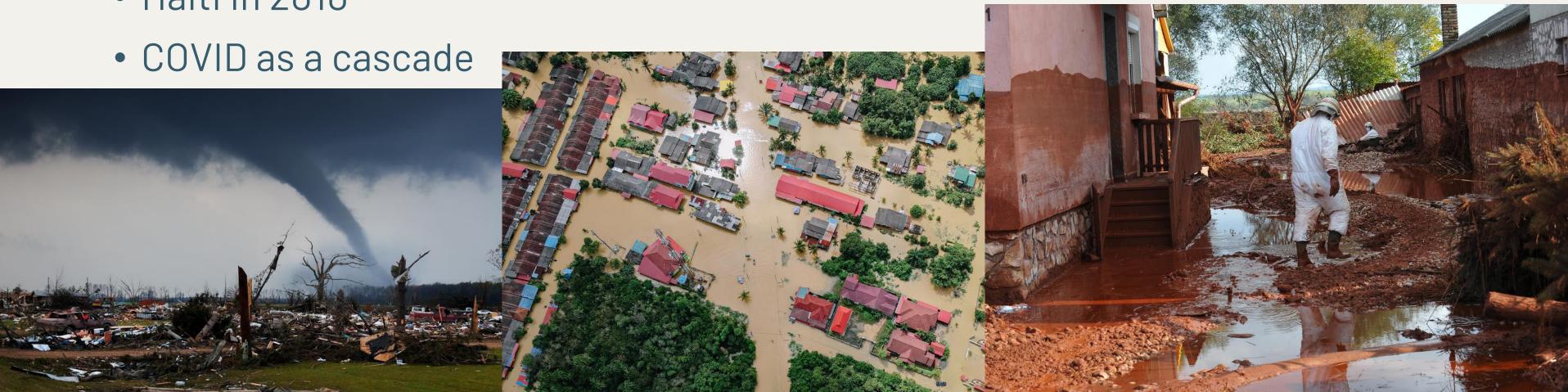
The human experience in disasters is obviously way more, and more important, than what is represented statistical charts.

in 2010 Haiti lost ~250,000 people, with a total population of 10 million.

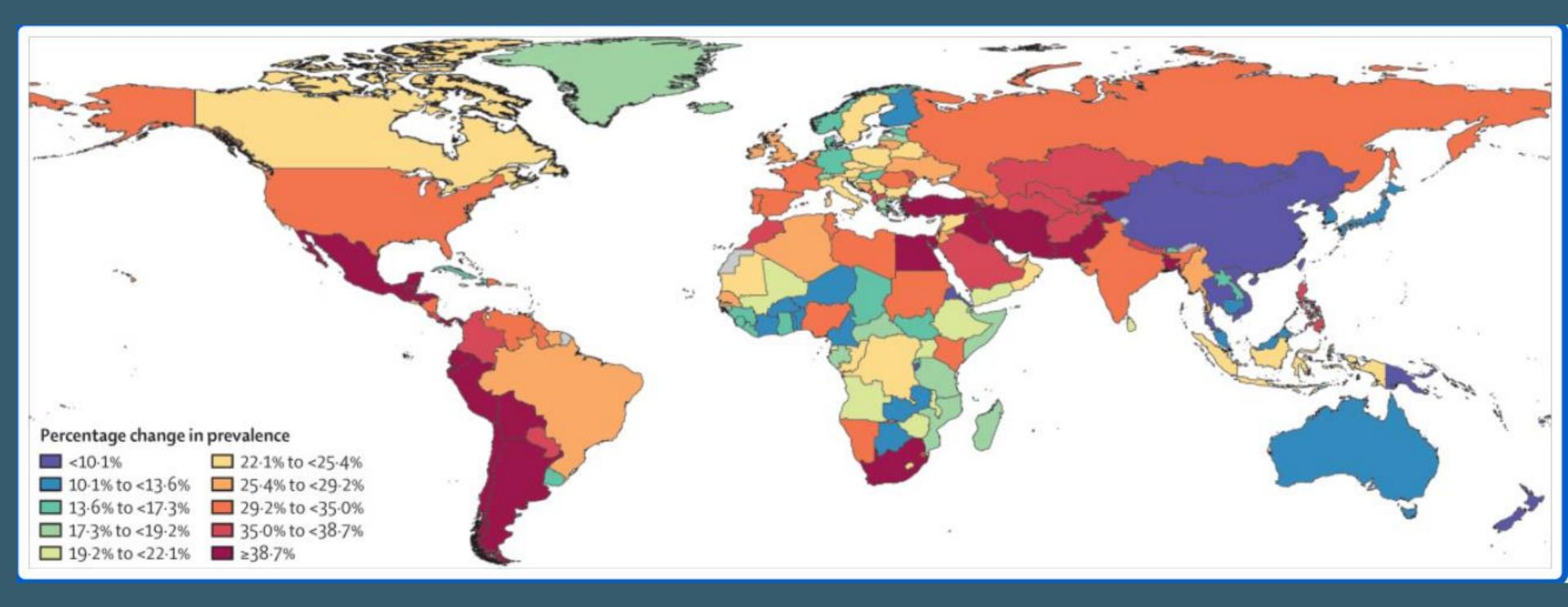
Disaster cascades:

more than one large-scale impact that occurs during the recovery window (18-24) months) from the original impact.

- Tax already depleted mental, emotional and physical resources
- Re-start the disaster recovery cycle, but at a lower baseline
- Extend the recovery cycle
- Increase acuity of symptoms
- Haiti in 2010



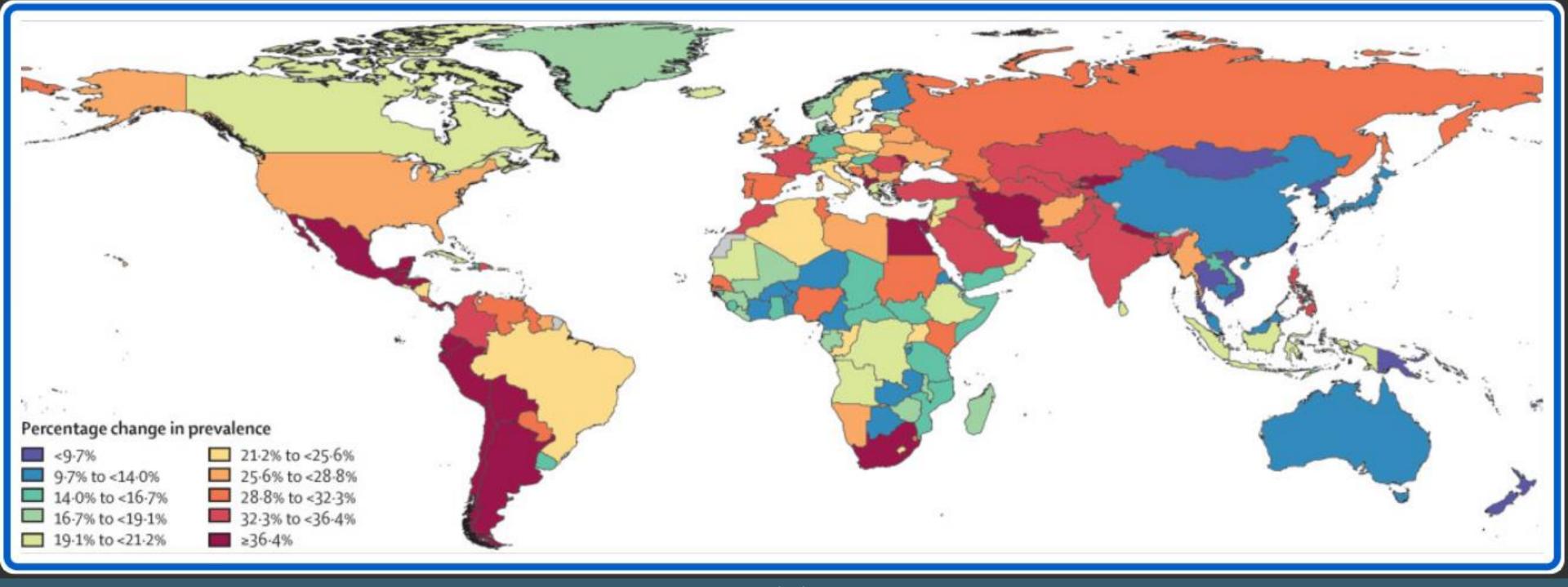
Change in the prevalence of major depressive disorder after adjustment for (ie, during) the COVID-19 pandemic, 2020



https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(21)02143-7/fulltext Global prevalence and burden of depressive and anxiety disorders in 204 countries and territories in 2020 due to the COVID-19 pandemic

<u>COVID-19 Mental Disorders Collaborators </u>

Change in the prevalence of anxiety disorders after adjustment for (ie, during) the COVID-19 pandemic, 2020



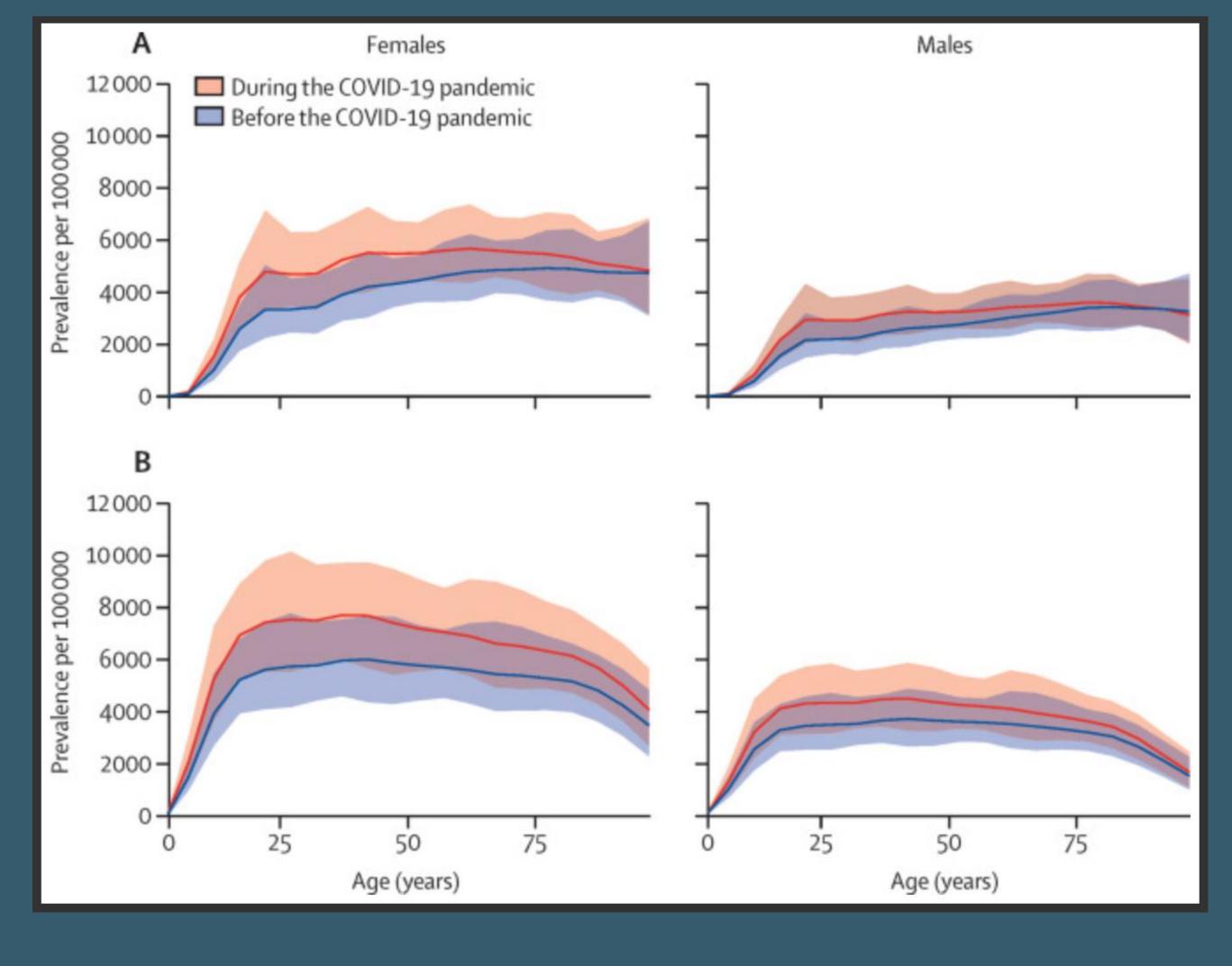
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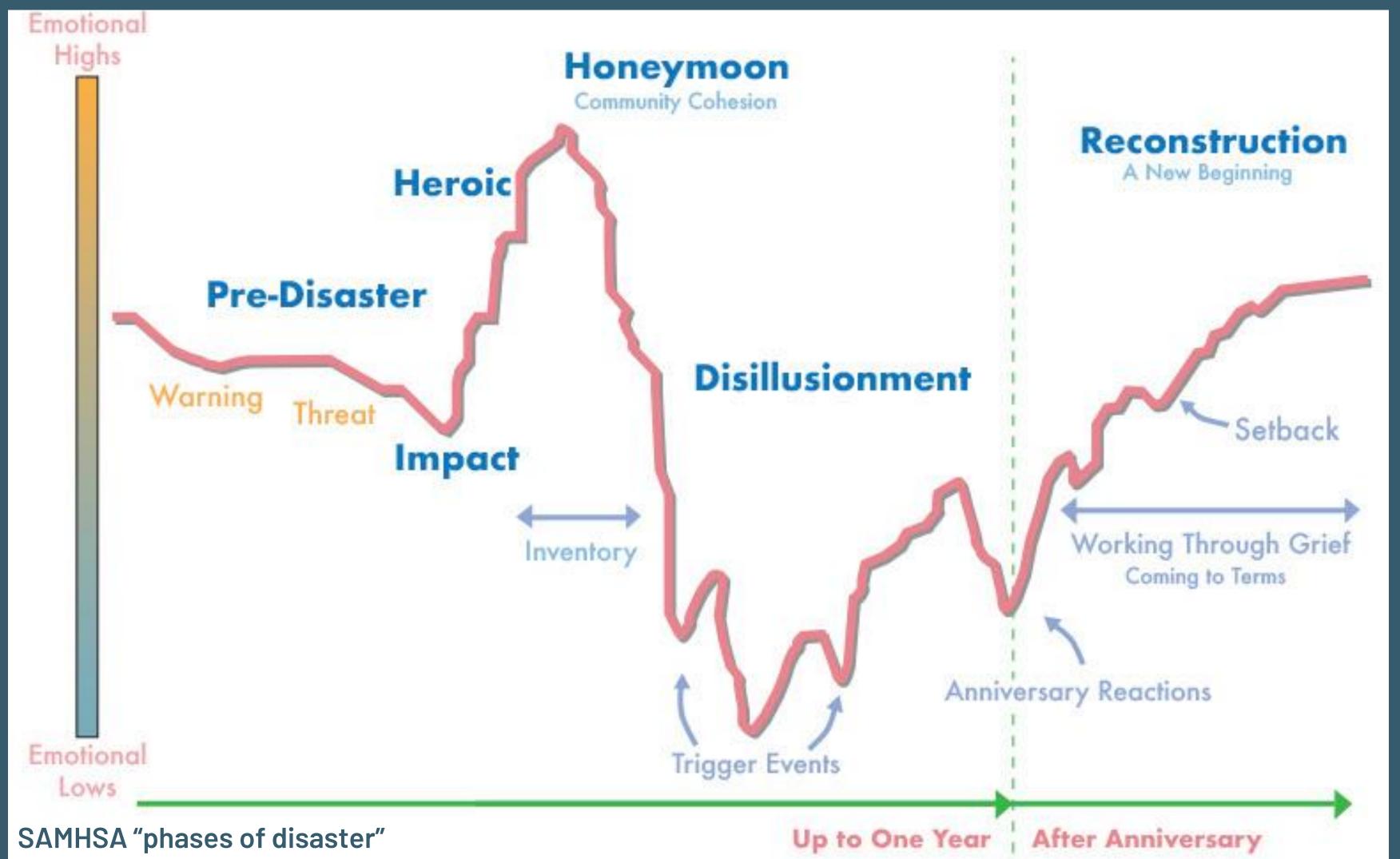
<u> COVID-19 Mental Disorders Collaborators †</u>

Global prevalence of major depressive disorder (A) and anxiety disorders (B) before and after adjustment for (ie, during) the COVID-19 pandemic, 2020, by age and sex.



Global prevalence and burden of depressive and anxiety disorders in 204 countries and territories in 2020 due to the COVID-19 pandemic





Phases of Disaster

Impact Phase

 O-48 hours postevent. Focus is on safety, communication, assessment of ongoing threat.

Rescue Phase

 O-1 week post – event. Primary goal is to adjust.
 Psychological issues: resiliency vs. exhaustion and orientation around what has happened. Honeymoon Phase ol- 4 weeks post event. Community leaders are promising support, bonding and support is high, Sense of relief for survivors, Unrealistic expectations of recovery and denial of the impact.

Disillusionment Phase

o1 month to 9 months postevent (usually about 6-9 months post impact) Limits of disaster assistance become more clear; reality of the extent and impact of the disaster become evident.

Reconstruction & Recovery o3 months to ongoing; Community on the way to healing, May continue for years; survivors begin to realize they will need to solve the rebuilding issues themselves, May develop sense of empowerment.

Impact Phase – 0-48 hours post event

Areas of Focus

- Focus on psychological and physical safety
- Immediate threat / risk reduction or mitigation
- Acute survival and triage needs
- Assessment of potential for future (ongoing) threat

Interventions

- Psychological First aid
- Shock recovery (heat, water, medical triage)

RESCUE PHASE: 0-1 week post event

Areas of Focus

- Adjustment to current circumstances
- Resilience vs. Exhaustion
- Processing reality of what occurred

- participation
- do so.

Interventions

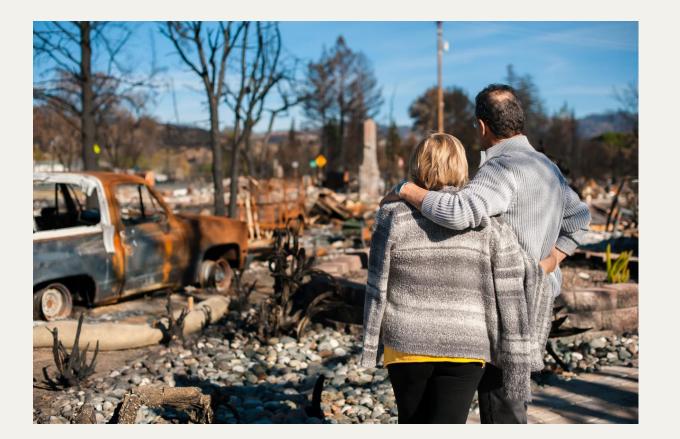
 Present focus (here and now) No mandatory debriefing Space and time allowed (structurally) for processing experiences of those who want to

 Communication and processing (not trauma therapy)

Honeymoon phase: 1-4 weeks post event

Areas of Focus

- High community bonding
- External supports are high / strong
- Expectations about recovery or denial of impact may be strong



Interventions

- Appropriately harnessing motivation to increase long-term resilience
 - Establishing med to long term behavioral health supports within the community or
- - structure
 - Training volunteers on psychological supports
- Re-prioritizing focus away from
 - "waiting until things get back to
 - normal" and on to empowerment for
 - intentional cultural shifts / change

Disillusionment phase: 1-9 months post event (usually about 6 mos)

Areas of Focus

- Limits of external assistance become clear
- Hopelessness around reality of event can set in
- Coming to term with losses



Interventions

 Active coping skills Sensory interventions Harm reduction related to impulsive or high-risk behaviors Suicide intervention training & support for survivors

Reconstruction and Recovery

Areas of Focus

 Active coping to internalize long term Post-Traumatic Growth

 Active resilience building (Purpose, Connection, **Adaptability & Hope)** Meaning-Making activities **Connection to things larger** than self (social interest)



Interventions

Factors that influence the reconstruction pathway

Or may result in the experience of a "disaster cascade" depending on the nature of the secondary impact

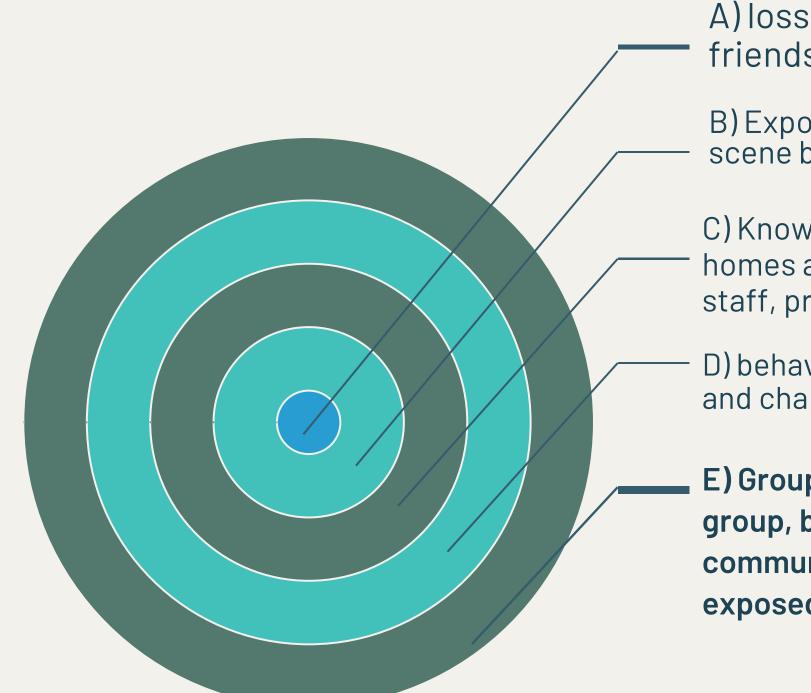
- Social marginalization
- Discrimination
- Economic status
- Access to resources and healthcare ACES (Adverse Childhood
- experiences)
- Previous experiences in disasters or critical incidents
- Sociopolitical climate
- Additional waves of infection / illness / restrictions that result

Trauma, Stress and Resilience

- All trauma is stressful, but all stress isn't necessarily traumatic (ducks and birds)
 - Stress can build up over time
- The ability to function effectively CAN be compromised by either one.
 - Emotionally, Cognitively, Behaviorally, Physically, Socially, Spiritually
- Long term moderate to severe stress affects the brain in ways similarly to traumatic events
 - Large-scale disasters as well as smaller-scale critical incidents
- Resilience can be developed intentionally, or can come about as a result of adverse experiences

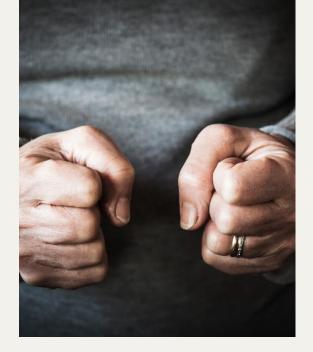
Population Exposure Model

Those closest to the "epicenter" of the disaster in terms of immediate and severe impact are most likely to be affected psychologically.



Adapted from : U.S. Dept of Heatlh and Human Services. (2004). Mental Health Response to Mass Violence and Terrorism: A Training Manual. DHHS Pub. No. SMA 3959 Rockville, MD; Center for Mental Health Services, Substance Abuse and Mental Health Services Administration. p. 11.

- A) loss or serious injury of friends/family
- B) Exposed to the incident and disaster scene but not injured
- C) Knows persons who are bereaved, live in area where homes are destroyed, first responders, medical examiner's staff, professionals immediately involved.
- D) behavioral health and crime victim assistance, clergy and chaplains, hospital personnel, govt officials, media
- E) Groups that identify with the victim / survivor group, businesses with financial impact, community at large, distant communities exposed via media



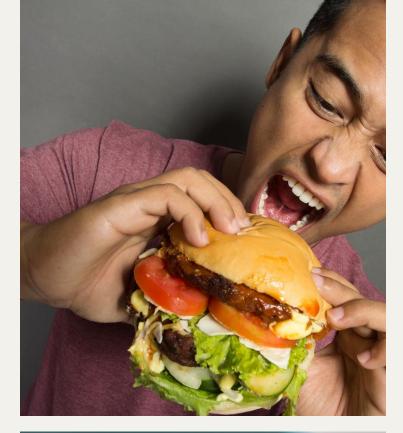


Common Experiences And challenges









Cognitive, Physical, Behavioral, Social, Emotional, Spiritual



Structures of Note:

Prefrontal cortex:

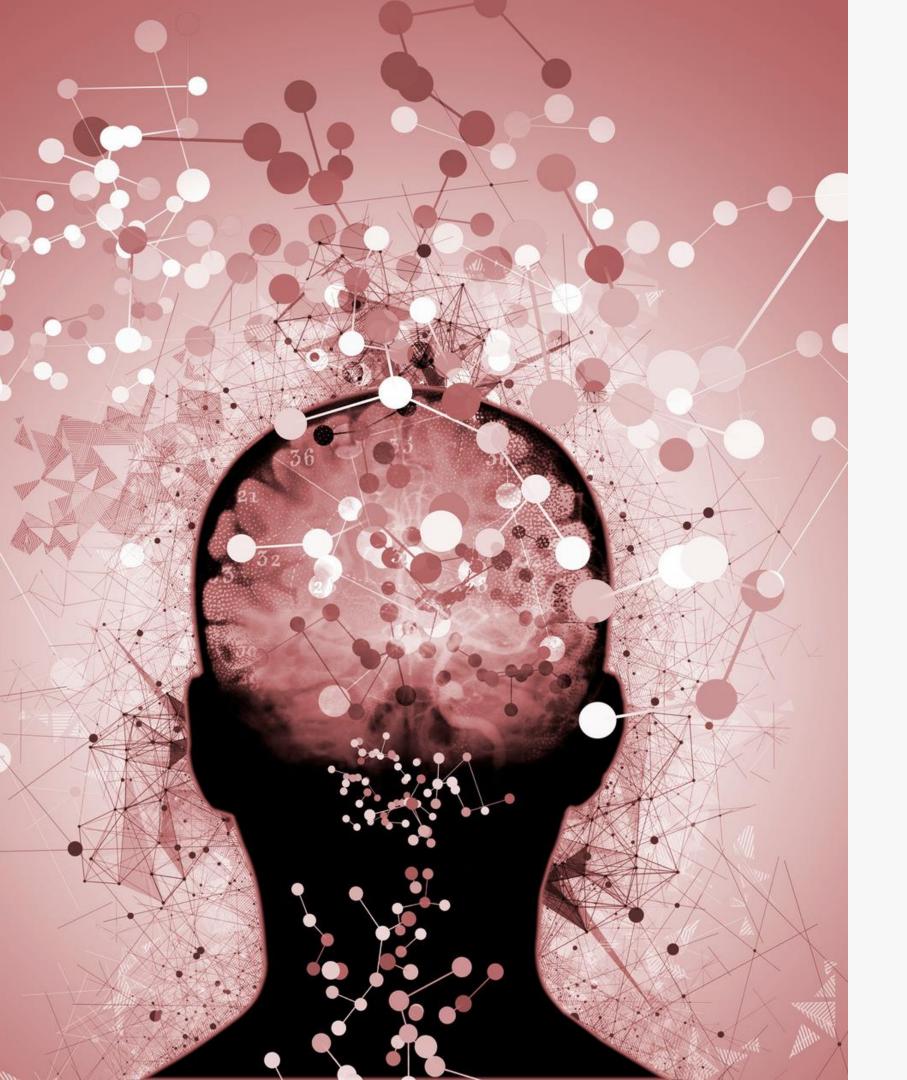
higher-level functioning, planning, organization, details, filtering.

Limbic system:

emotion, impulse, pleasure and safety, memory, defense, protection (fight, flight or freeze). Includes the Amygdala & Hippocampus

We are all still (at least slightly more) limbicly activated.





What happens neurologically to people in places that are CONSTANTLY under conditions of physical, psychological or environmental 'threat'?

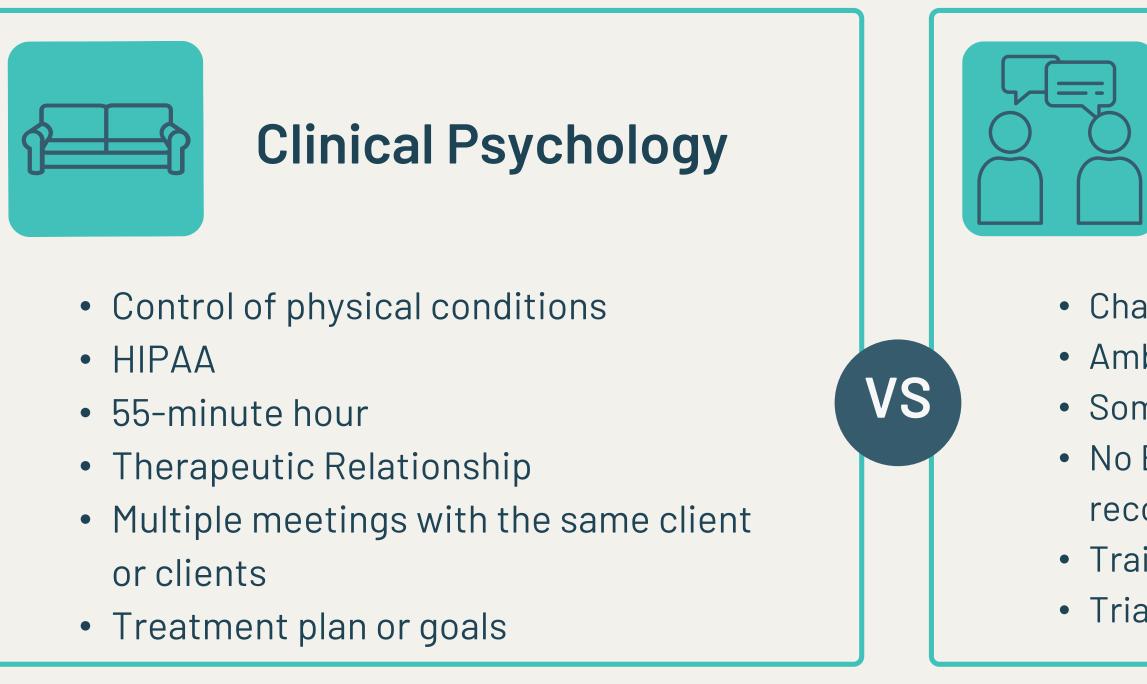
Examples from Haiti and Alaska

Best Practices in Disaster Response



DISASTER BEHAVIORAL HEALTH IS NOT CLINICAL PSYCHOLOGY

Comparison





Disaster Behavioral Health

- Challenging environmental conditions
- Ambiguous circumstances
- Sometimes not a lot of privacy
- No EHR, Insurance etc-sometimes no if any
 - record keeping
- Training in skills and Symptom Reduction
- Triage and Screening

"One inevitability of international work is that you are going to mess up, do or say the wrong thing, or do or say something offensive without meaning to. What matters most is how you handle it, the way you approach it, the way you repair it; the PROCESS you use, and the humility you bring."

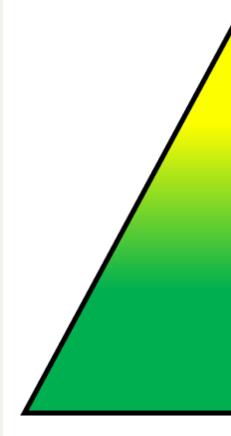
In a response / activation / deployment:

Be willing to do anything that needs doing within your skill set and competence

Let go of traditional ways of providing services or reaching goals Learn as much as you can about the history and culture of a place (including norms) as you can

Be willing to connect - with your colleagues / coworkers / team members and with survivors

Continuum of care options for disasters and critical incidents



Emergency Care

Evidence-Based Psychological Treatment TF-CBT/CBT

Additional MH Screening

Health Support Team Training

PsvSTART Psychological Triage

Psychological First Aid

TRIP #1 -HAITI - 2010

- without Borders Rejects":)
- lifetime.



• A colleague and I joined a multidisciplinary team of pediatricians, surgeons, orthopedists, nurses, dentists, hydrologists, engineers, architects and teachers from all over the U.S. & Canada • The group called themselves "Love for Haiti" and also "Doctors"

• We were hosted at Anis Zunuzi school in Lilevois (a suburb of Port-Au-Prince) & conducted clinic work in teams at three locations: The school, A tent city near by, and an orphanage in the district. • We saw hundreds and hundreds of patients every day for two

weeks. Some people had never seen a medical provider in their

Health Support Team

The HST process includes four steps:

- Listening and Learning
- Offering Support
- Providing Tools
- Emphasizing Hope

LEARN & LISTEN Learn about the person and Listen to the problem using supportive communication and active listening techniques. (Module 2)

OFFER SUPPORT Foster resiliency by supporting the person in finding external resources and internal strengths, OR Refer them to someone if needed. (Module 3)

PROVIDE A TOOL Offer them a tool to help them cope, such as a relaxation technique or a thinking strategy. (Module 4)

EMPHASIZE HOPE Let the person know you are there for them, and that you are an encouraging, supportive resource for them when needed.

The Health Support Team Program

What is the Health Support Team?

- The Health Support Team is a group of individual trainees from local communities who have committed to becoming a resource for others in times of crisis and in the long-term recovery after disasters.
- They are students, parents, teachers, friends, workers, and anyone from the local area who is
 interested in learning and applying some simple supportive techniques and tools in the assistance of
 their fellow citizens.
- The Health Support Team is YOU— people who are trained to support.

MODULES & Examples of Content

- Module 1: Introduction to Health Support Team, Disaster Response & Recovery
- Module 2: HST Skills and Techniques: The Supportive Relationship, Communication & Listening
- Module 3: Health Support Team Goals: Engaging with Key Issues, from Listening to Referral
- Module 4: Health Support Team Tools: Relaxation, Stress Reduction, and Thinking Strategies
- Module 5: Health Support Team Member Boundaries and Resilience / Program summary
- Recovery Communication & Listening Mutistening to Referral and Thinking Strategies Program summary

WHY WE DEVELOPED THE HST CURRICULUM:

- To empower trained trainees, to assist their colleagues, students, youth, families, and community members in recovery from trauma and the development of resiliency by: Providing psychosocial and educational information in the form of a disaster behavioral health training program / curriculum and guide; Connecting trained trainees with local resources where and when available.
- To create a sustainable work group of trainers and trainees who can support one another, as well as provide ongoing training to new and additional trainees in the community and surrounding areas.
- To provide the opportunity for the organic growth of a community based mental health support network that could operate independently from foreign aid and resource dependence internationally, and to provide additional community support when resources are in short supply following regional disasters in developed nations.

HST

How the training is conducted





The 1st group of HST volunteers



The first group of HST Trainers





When given the opportunity, they became involved in a local clinic



IN HAITI:

- Over 400 Haitian community volunteers completed the one-day training, including students, nurses, translators, community agents, doctors, and security personnel.
- 41 people attended two or more training sessions
- 18 attended an in-depth session to become 'trainers' themselves.
- 6 of the trainers who are our primary liaisons have followed up and continued to do ongoing support work at local clinics and in tent camp communities.
- 70 teachers have completed the teacher focused version of the HST program.

Health Support Team for Syrian & Palestinian Refugees in Jordan



- In March 2013 we traveled to Amman, Jordan to work with Syrian refugees.
- The HST visited with local NGOs, the Zaatari refugee camp and with numerous nondocumented Syrian families in temporary residence in Jordanian communities around Jaresh.
- The initial training included some 20 volunteers
 representing a half dozen
 NGOs.

Training continued in September 2013

- Two groups from large NGOs were trained:
- CARE and Save The Children.
- Combo of Trainees / Volunteers
- 50 new volunteers and 15 trainers in Jordan working with displaced or marginalized populations



March returned to become trainers

The original volunteers from

2014

- Returned to Jordan
- Trained Trainers
- Observed Women's group of trainers (4) training new volunteers (10)



2017

- CCTI Community Care Training Initiative
- <image>

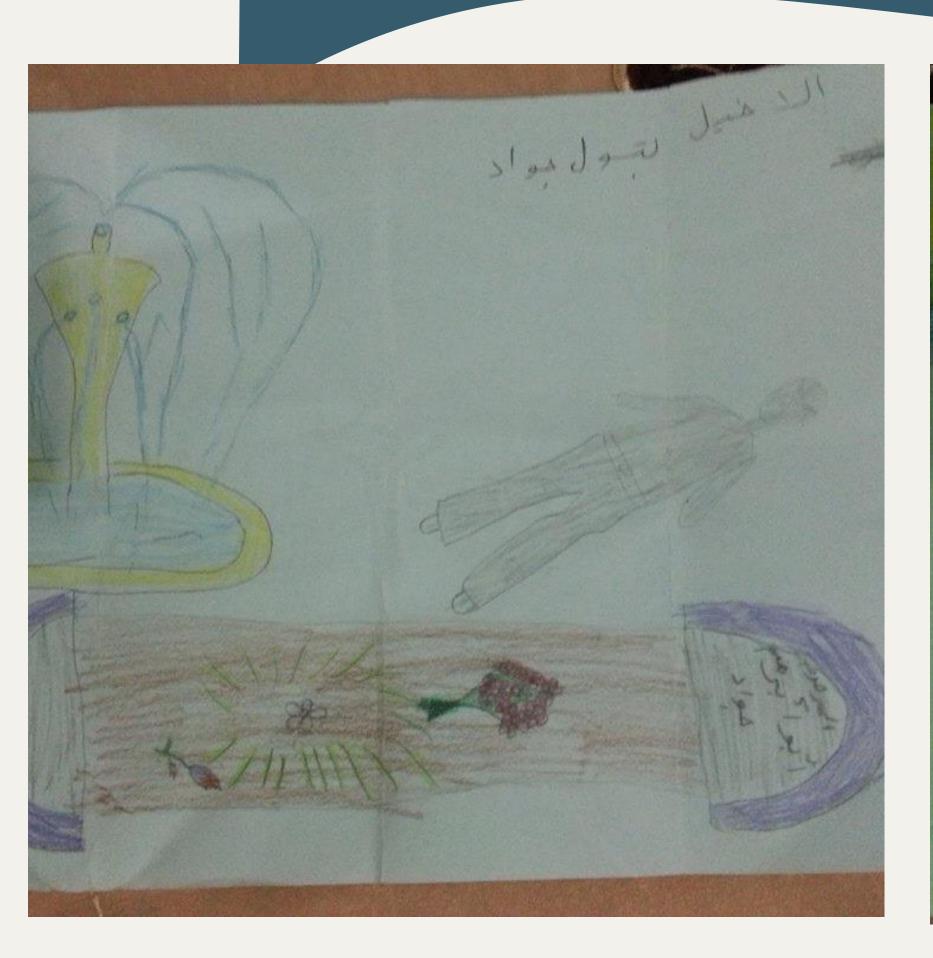
- Multidisciplinary trip aimed at providing educational content across a variety of disciplines (OEC, education, family, health etc)
- CCTI conference in Amman: two days of training
- HST for Mercy Corps Staff





Ahmad's story:

- Hi . How are you, my friend? Actually, I have a good experience I would like to share with youDuring my work as a field assistant at the child friendly space I have noticed that Batool, a pretty girl, thirteen years old, had something wrong.
- She had some aggressive behaviors. And when I have tried to know about her by listening to her carefully. I asked her with some of girls to make a relaxation session in a quiet place. After the session I asked the girls to go each individual in order to express about her imagination by words or drawing a picture.
- Batool, she had drawn a grave with a fountain beside it with a shade of someone. And when I asked her about the person in the grave she refused to tell me and I have told her that you have to write his name on the grave . She wrote her dad's name but at the same time her dad was still alive but she had fears that someday she will lose her dad and she told me that she see that in her sleeping.
- Then I realized that no need to refer and I could handle it by the mindfulness technique. And I have made a sessions daily I could change all the bad thoughts and makes her focus on the present moment and after the last session I asked her to draw, she had draw something different. And I have the pictures. Many thanks to you all ...





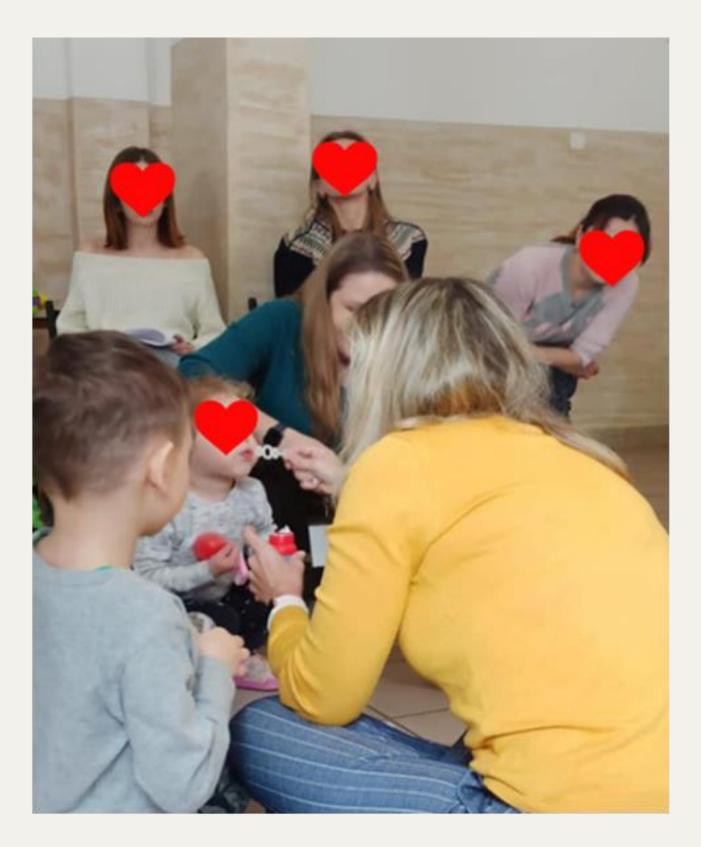
To Poland in March 2022

45 days after Russian invasion



Trained Caritas Staff, City Government Reception Center staff and Caritas Staff, and 911 call operators Hosted by colleague Dr. Robert Porzak at the University of Economics and Innovation, Lublin, Poland.







- mothers and children.

 Caritas and Firlej Municipal Center hosting Ukrainian 60 women and 40 children at Caritas, and 40 adults and 20 children at the Firlej Municipal Center



Trained School Principals, Superintendents and other leaders in Lublin's school district



In general for disaster response:



Don't self-deploy

2

Be prepar talk

3

4

5

plan

Include yo planning

Educate yourself about local resources - CERT, Trainings, etc

Be prepared at home - walk the

Have a family communication

Include your workplace in your

Effective Interventions

Active Coping

- Sensory engagement (sight, touch, taste, smell or sound)
- Movement
- Structure / schedule
- Goals that are the right scale / scope
- Culturally relevant and appropriate suggestions!!!!
 - Do your homework if you are working in an area where you are unfamiliar with norms.

Active Listening - be aware of high and low context cultures





Clarifying Questions



Non-Verbal Communication



Open Ended questions



Seek to deeply UNDERSTAND (not to fix or problem solve).

More please: in a healthy way

Serotonin

- Movement / exercise
- Sun exposure
- Massage
- Hot / Cold showers
- What contributes to feelings of comfort and security?



Dopamine

- Movement / exercise
- Task achievement (todo lists, long term goals as well)
- Creating something music, art, writing
- What is fun or rewarding?
- What are the external resources available?

Resilience Development



Purpose

What motivates you? What is important to you? What are you striving for, or what helps you move forward?

Adaptability

How can you make adjustments that are needed, to time, space, fun, expectations, etc? How can you respond with curiosity?

Hope How can you shift your thinking from 'threat' to 'challenge' and what are the <u>realistic</u> opportunities you have?

Connection

To whom or what are you connected? Connection can be anything that prevents isolation.

BOTTOM LINE:

- Prepare yourself, your family and your business at home.
 Start by "walking the preparedness talk"
- If you are interested in doing disaster relief, get training, get certified.
 CPR, CERT, MRC, FEMA etc
- Do some personal inventory about your level of comfort with ambiguity, difficult physical conditions, roles, and tasks
- Educate yourself on best practices in disaster response behavioral health support.
- Learn more about Psychological First Aid (PFA), Health Support Team (HST) and other programs that specifically are aimed at providing direct service or training to those affected by disasters and critical incidents.
 If you plan to work internationally, LEARN as much as you can about history and
- If you plan to work internationally, LEARN as mu culture before you leave.

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