



TAMEST NATURAL HAZARDS SUMMIT

Responding to and Mitigating the Impacts

LUBBOCK, TEXAS 05.16.2022

#NATURALHAZARDSSUMMIT

Panel:

National Policies of Emergency Response: Trauma, Health Facilities and Case Study

MODERATOR



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SPEAKERS



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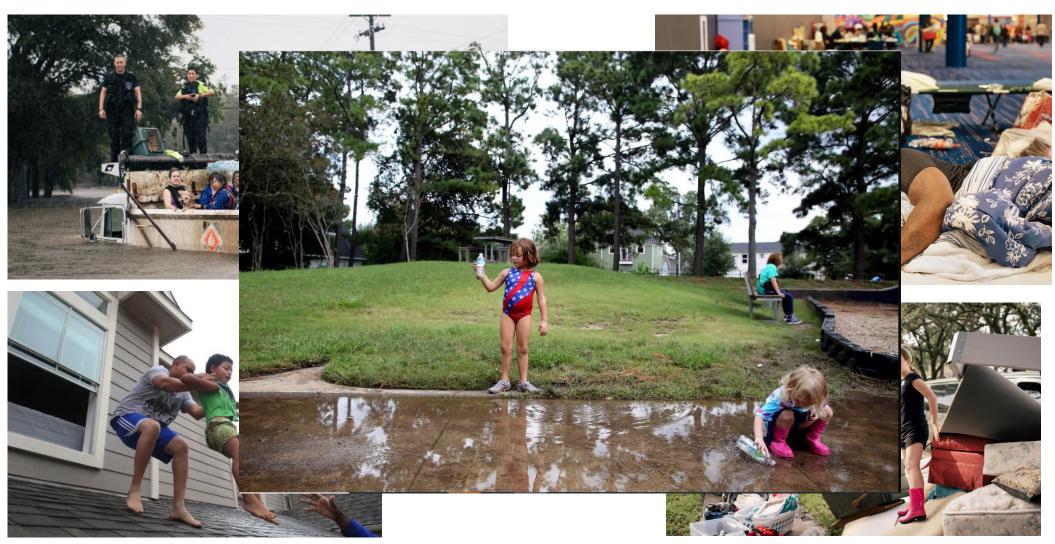
Context







Children and Disaster





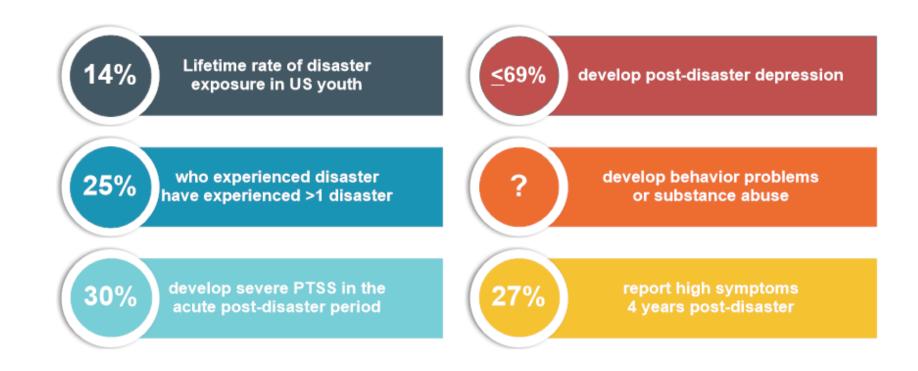
Disaster Mental Health

- Immediate Impact
 - Direct physical harm
 - Indirect harm
- Longer-Term Risks
 - Physical health problems
 - Lower school attendance and learning difficulties
 - Mental health symptoms



Illustration: Chelsea Beck

Understanding the Impacts of Natural Disasters on Children's Mental Health



Youth Symptom Trajectories

Across studies, youth demonstrate predictable patterns of symptomatology and recovery:

J. Cheng, et al.

Journal of Affective Disorders 252 (2019) 421–427

- (a) Chronic (persistent elevated PTSS over time)
- (b) Recovery (initial elevated PTSS, followed by a decrease in PTSS at later time points)
- (c) Resilience (persistent low PTSS over time)
- (d) Stable low ("moderate stable")

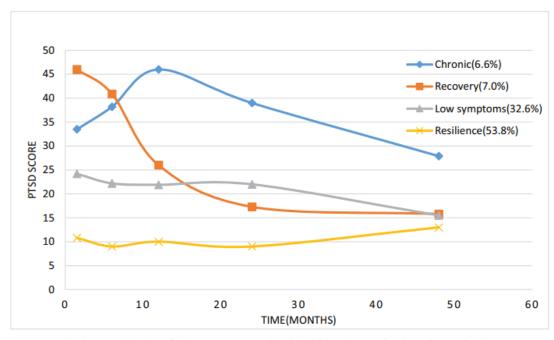


Fig. 1. Four trajectories of PTSD symptoms were found in children 4 years after the Lushan earthquake

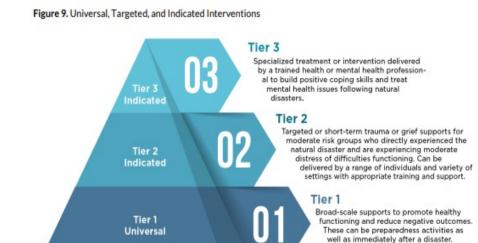
Which Children Are the Most Vulnerable?

Figure 4. Factors contributing to a young person's reaction to a natural disaster

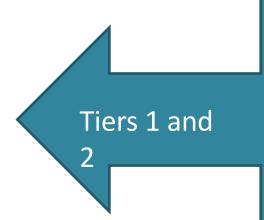


Adapted from: Lai, B. S., & La Greca, A. (2020). Understanding the impacts of natural disasters on children. Washington, D.C.: Society for Research in Child Development. https://www.srcd.org/sites/default/files/resources/FINAL_SRCDCEB-NaturalDisasters_0.pdf

Mitigating the Risk: Prevention & Early Intervention



Source: The National Child Traumatic Stress Network, 2021



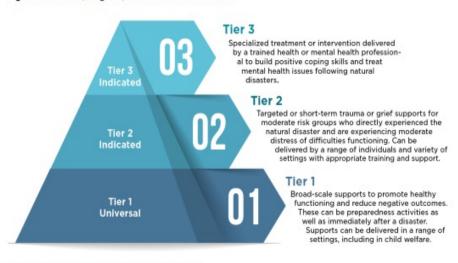
Psychological First Aid: Core Actions

- Contact and Engagement
- Safety and Comfort
- Stabilization (if needed)
- Information Gathering on Current Needs and Concerns
- Practical Assistance
- Connection with Social Supports
- Information on Coping
- Linkage with Collaborative Services

Supports can be delivered in a range of settings, including in child welfare.

Tier 3: Specialized Interventions

Figure 9. Universal, Targeted, and Indicated Interventions



Source: The National Child Traumatic Stress Network, 2021

 $\textbf{Figure 10.} \ Common \ Components \ of \ Indicated \ (Tier 3) \ Evidence- \ and \ Trauma-informed \ Interventions \ for \ Children \ and \ Adolescents \ Who \ Experience \ a \ Natural \ Disaster^{221}$



Source: Adapted from Pfefferbaum, B., & North, C. S. (2016). Child disaster mental health services: A review of the system of care, assessment approaches, and evidence base for intervention. Current Psychiatry Reports, 18(1), 5. doi:10.1007/s11920-015-0647-0

Mitigating the Risk: Building Resilience and Promoting Recovery

