Responding to Traumatic Stress Post Hurricane María in Puerto Rico: Brief ACT-Informed Group Intervention with School Personnel

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September 20, 2017 Hurricane María Makes Landfall in Puerto Rico 155 MPH, Cat 4 Storm

Power grid destroyed

4,000+ related deaths

94 billion in damages

100% of the island impacted

Effects of Natural Disasters on Children's Mental Health

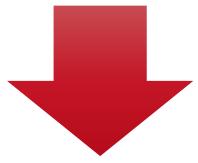
- Disruption of social support networks
- ✓ Posttraumatic stress
- ✓ Depression and Anxiety
- ✓ Decline in academic functioning
- At risk behaviors including substance use
- ✓ Increase in bullying
- Increase in suicidal ideation and attempts



(Bonanno, Brewin, Kaniasty, & La Greca, 2010; Kessler, 2000)



Risk and Protective Factors



Risk Factors:

- -High hurricane/other life stressors
- -Lack of access to basic needs
 - Low social support
 - -Poor coping skills

Protective Factors:

-Social Support -Access to services, basic needs and routines -Resiliency/ coping skills

(La Greca, 2017)

Puerto Rico Psychological Relief Program

- How it got started...
- Community-Based Participatory Approach (Lurie et al., 2013)

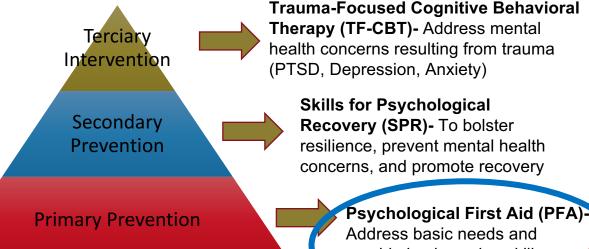






Puerto Rico Psychological Relief Program

• Stepped Care Approach (Watson, Brymer & Bonanno, 2011)



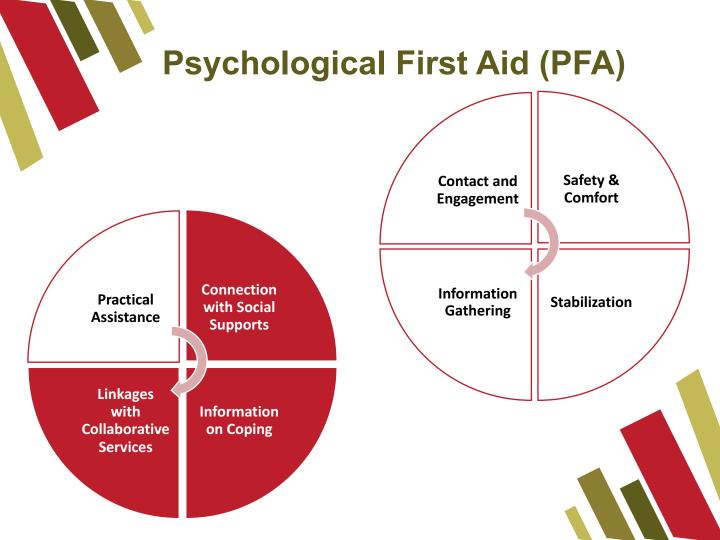
provide basic coping skills immediately after a disaster

Psychological First Aid (PFA)

- Evidence-informed modular approach to help children, teens, and families in the immediate aftermath of disaster.
- Aimed at reducing initial distress caused by traumatic events and to foster short-and-long term adaptive functioning and coping.
- Delivered by lay providers in diverse settings



(Brymer, Jacobs, Layne, et al., 2006)



Phase 1: Psychological First Aid

- Conducted <u>6 workshops</u> across the island
 - 90 Minute- Teachers/staff only
 - 4 hours- Social Workers (Train-the-trainer)
- 552 attendees (teachers, social workers, and staff)



Торіс	Brief Description	ACT Processes	Exercises
Introductions & Needs Assessment	Explored immediate needs and possible solutions. Orient to the here-and-now.	-Values -Committed Action -Present Moment Awareness	-5 Senses w Candy



Торіс	Brief Description	ACT Processes	Exercises
Trauma and Common Reactions	Psychoeducation and group discussion	-Present Moment Awareness -Self as Context	- "Have you noticed this in yourself? Others?" - "Who notices?"





Торіс	Brief Description	ACT Processes	Exercises
Secondary Traumatic Stress	Psychoeducation and common reactions	-Present Moment Awareness -Self as Context	- Self-Inventory while noticing





Торіс	Brief Description	ACT Processes	Exercises
Coping Skills for Adults and Children	Experiential exercises and group practice	-Present Moment Awareness -Defusion -Acceptance	-Mindful Breathing -Body Scan & PMR -Turtle Story -The Cloud







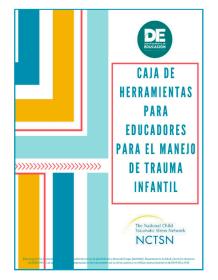
Торіс

Brief Description

Application in Schools & Resources

Information on how to apply these coping skills in school & provide resources





NCTSN The Nation Chill Institution See Network DATOS SOBRE EL TRAUMA Para Educadores

HECHO: Muchos niños que asisten a la escuela han sido expuestos a un evento traumático que puede afectar su aprendizaje y/o comportamiento. Ejemplos de eventos traumáticos incluyen desastres naturales, abuso físico, abuso escual, y presenciar violencia.

HECHO: El Trauma puede impactar el rendimiento escolar

- · Bajo promedio escolar
- · Aumento en la tasa de ausentismo escolar
- Aumento en la tasa de deserción escolar
- · Aumento en suspensiones y expulsiones de la escuela
- Disminución en la habilidad de lectura

HECHO: El Trauma puede afectar el aprendizaje.

Un evento traumático puede causar el tener sobresaltos, pensamientos influsivos, sueño interrumpido, pesadillas, enojo y mal humor, y/o retraimiento social -lodos los cuales pueden interferir con la concentración y memoria.

HECHO: Los Niños traumatizados pueden sentir malestar físico y emocional.

- · Sintomas físicos como el dolor de cabeza y problemas estomacales
- Control de emociones inadecuado
- Rendimiento escolar inconsistente
- Comportamiento impulsivo y/o imprevisible
- Reacción exagerada o no existente al ofr campanas, el contacto físico, portazos, sirenas, luces, o movimientos bruscos
- Reacciones intensas a recordatorios del evento traumático
- Pensamientos que otros infringen su espacio personal, por ejemplo, "¿Qué miras tú?"
- Reacción explosiva cuando una persona en posición de autoridad lo corrige o le dice qué debe de hacer
- Pelea cuando otros lo crítican o fastidian
 Resistencia a la transición v/o al cambio

HECHO: Educadores pueden ayudar a un niño/a que ha sido traumatizado/a.

- Siga los procedimientos de la escuela si sospecha abuso
- Trabaje conjuntamente con los cuidadores del niñola para compartir y a su vez afrontar los problemas escolares
- Refiera a los servicios disponibles si el ninola demuestra senales de no poder manejar el estrés traumático

¿Qué se puede hacer en la escuela para ayudar al niño/a traumatizado/a?

Mantenga la rutina diaria. El regreso a la "normalidad" trasmite el mensaje que el nitrola está huera de peligro y la vida continúa.
 Otrézosie opciones al nitrola. Frecuentemente los eventos traumáticos se tratan de la pérdida de control ylo caos, así que usted puede

Pre-Post Self-Report Questionnaire

(5 point Likert scale, "Completely false" to "Completely true")

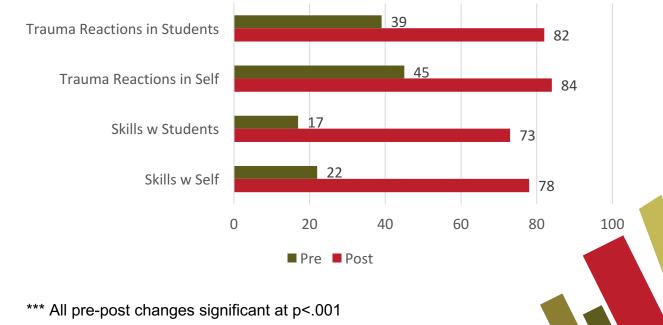
- 1. I'm able to identify common trauma reactions in my students.
- 2. I'm able to identify common trauma reactions in myself.
- 3. I have the necessary skills to manage traumatic reactions in the classroom.
- 4. I have the necessary skills to manage traumatic reactions in myself.
- 5. I feel capable of managing traumatic reactions in the classroom.
- 6. I feel capable of managing traumatic reactions in myself.

Post Survey- 3 additional open ended questions:

- 1. My favorite part of the workshop was:
- 2. My least favorite part of the workshop was:
- 3. I would have liked more information about:



Pre-Post Workshop Results



Favorite Parts of the Workshop

- 66% reported that the *coping skills* portion (e.g., mindfulness, deep breathing, progressive muscle relaxation, and visualization exercises) were their favorite part of the training.
- "Strategies to face traumatic events. I learned techniques to relax stress, tension, and anxiety both in myself and in others."
- "Relaxation techniques for the students or young children."
- "The hands-on activities for Progressive Muscle Relaxation."
- *"The workshop was excellent for being so practical. My favorite part was the one with the chocolate and the technique of the 5 senses and the cloud."*

Least Favorite Part of the Workshop

- 49% reported they enjoyed every part of the training and/or that they did not have a least favorite part. "Everything was very good, I took note of everything to share it with the faculty and my colleagues who could not come."
- 21% reported logistical issues were the most problematic part of the workshop (e.g., lack of electricity after the hurricane, which resulted in having no air conditioning, limited to no audio and visual equipment, and lack of printed handouts to aid in the delivery of the workshop, time of workshop being inconvenient, disliking the location)

Would have liked more information about

 58% reported wanting more workshops like this one in the future, more information on trauma in specialized populations, strategies for working with teenagers (older populations), and crisis management techniques.

"Realized or learned that <u>everything that I am feeling is normal</u>. I acquired tools to work with [my] emotions or reactions. The workshop "liberated" me from feelings of guilt and incompetence. The resource was excellent!"

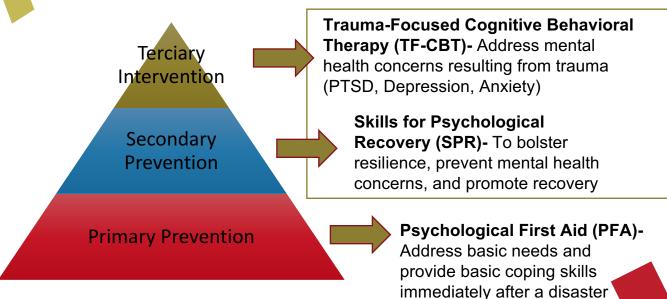
Lessons Learned

- Relationships matter
 - Community-based participatory approach
 - Consultation
- Follow the need
 - Be here, now
- Flexibility
 - Grant time lines, material development, travel, experiential exercises, etc.
- Keep it simple
 - A quick, simple, ACT-based exercise can go a long way
- Share findings with community partners
 - Data-drive approach that informs next steps
- Teamwork makes the dream work
 - Including self-care
- Low cost/low resource It is possible
 - Leverage existing resources and partnerships



Puerto Rico Psychological Relief Program: Future Directions

• Stepped Care Approach (Watson, Brymer & Bonanno, 2011)



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