Becoming Trauma Aware: The Long Term Implications of Adverse Childhood Experiences

MICHELLE SPERING RN-BC

Understanding Trauma

Event – Actual experience or threat of physical or psychological harm OR the withholding of material or relational resources crucial to health and development. Can be a single event or repeated events.

Experience – How someone assigns meaning to the event, which depends on the perception of the individual.

Effects – Results of the person's experience of the event. This can include neurological, physical, emotional, and cognitive effects.

+Working definition - SAMHSA, Trauma and Justice

Private Event Trauma

Characterized By:

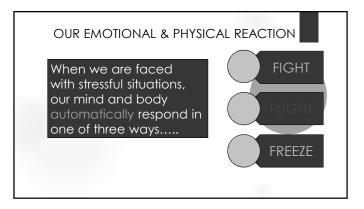
- *Secrecy
- *Power Imbalance
- *Sense of hopelessness
- *Sense of isolation
- *Sense of irretrievable loss

Public Event Trauma

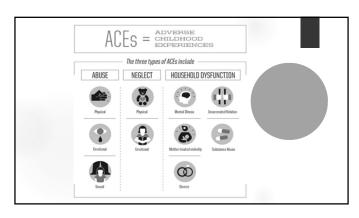
Characterized By:

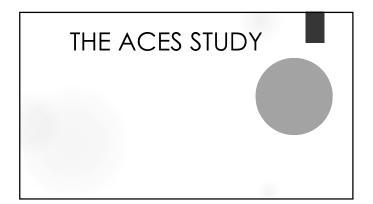
- *Shared experience
- *Lack of judgement
- *Sense of helplessness
- *Forces beyond control
- *Sense of irretrievable loss

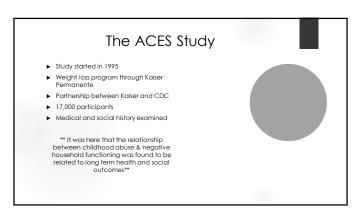
Chronic Trauma Multiple instances of the same framework traumatic events happening to the same frammatic event of the same person Chronic trauma *cumulative effect *Impacts the brain, body, development*

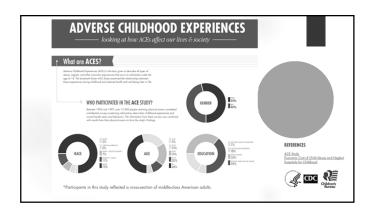


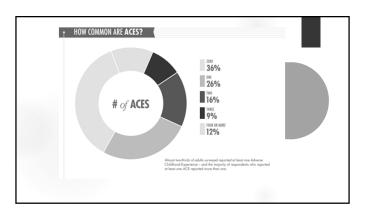




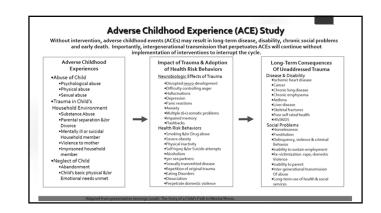




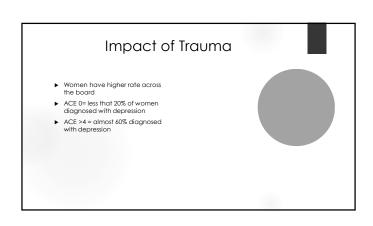


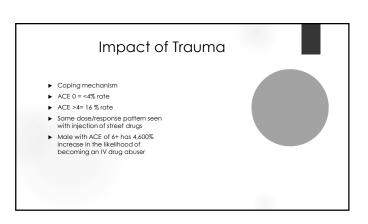


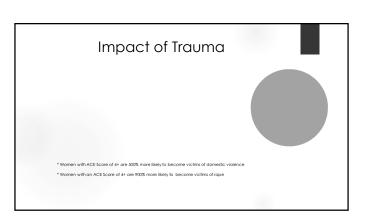
What about the prevalence of trauma in our community?



Impact of Trauma First published in 1998, the Adverse Childhood Experience Study showed that: 1) Traumatic experiences are vastly more common than recognized or acknowledged 2) There is a powerful relationship between emotional experiences as children and physical and mental health as adults 3) Traumatic events during childhood can be converted into chronic disease as adults 4) Adverse events and stress can lead to chronic diseases, such as diabetes, heart disease and some types of cancer, as well as depression, alcoholism and drug abuse





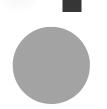


Cost Of Trauma \$\$\$\$\$

- Absenteeism, serious financial problems, serious problems with job performance, frequent disciplinary actions, difficulty maintaining employment, decreased promotion rate
- Increased prevalence for chronic disease= more sick days
- ► Domestic violence victims lose nearly 8 million days of paid work per year
- ▶ Intimate partner violence > \$5.8 billion a year
- Over \$184 million a day hospitalizations, mental health chare, child welfare, law enforcement, Special Ed, juvenile delinquency

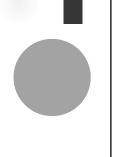
Brain Development

- ► At birth, the brain is about 25% the size of the adult brain in weight and volume
- Contains nearly same number of brain cells or neurons (100 billion)
- Brain stem and lower brain are well developed (reflexes, breathing swallowing, heart rate, BP)
- ▶ Higher regions are less developed
- Cortical Cortex (pre frontal) area is last to develop



Brain Development

- ▶ First 5 years are most critical period
- Need positive stimulation and responsive, attuned caregiver to make strong synaptic connections
- As the child ages, the same number of neurons are in place
- Number of synaptic connections drastically increases until adolescence
- ▶ During adolescence (2nd most critical period of development) the unused connections are pruned and the more frequently used connections are strengthened



Brain Development

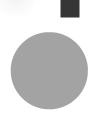
- Natural growth and pruning process for neural connections
- ► First five years are most critical for brain development
- ► Develop new neural connections
- ► In adolescence pruning process occurs to strengthen frequently used synaptic connections

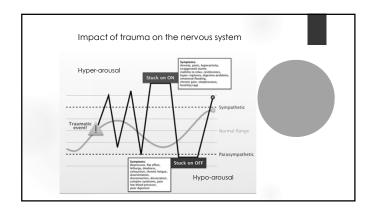
Impact of Trauma on the Brain

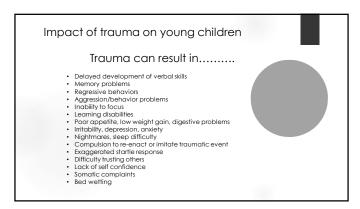
- Reduces the number of connections formed
- ▶ Reduces the size of the pre frontal cortex
- ► Strengthens survival connections
- ▶ Trauma rewires the brain for survival
- ► Results in:
 - ► Memory problems
 - ▶ Attention difficulty
 - ► Language delays
 - ► Emotional and behavioral regulation issues
 - ► Learning disabilities/delays

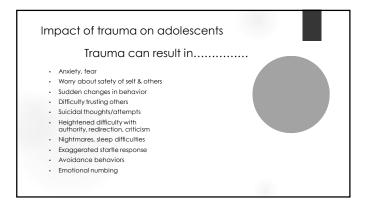
Fight Flight Freeze

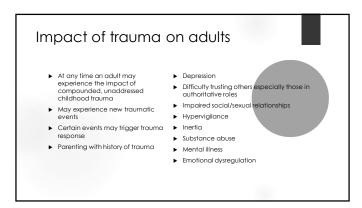
- Glucocorticoids create "flashbulb" memories (vivid snarshots of event)
- Cortisol-counters pain and inflammation, regulates blood sugar, metabolism, affects salt/water balance
- Increased cortisol levels- GI symptoms, back pain, headaches
- headaches
 ► Increased HR
- ► Increased platelet levels
- Changes in blood flow-blood diverted toward brain & major muscle groups & away from hands/feet/stomach
- ► Increased endorphin levels- natural opiate release
- ▶ Decreased Calcium production
- Increased blood sugar levels to feed brain & muscles



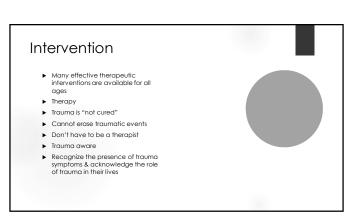












Re-Traumatization

A situation, attitude, or interaction, or environment that replicates the events or dynamics of the original trauma and triggers the overwhelming feelings and reactions associated with them

- ▶ Assault
- ▶ SANE Exam
- ▶ Law enforcement involvement
- ► Restraints or seclusion
- ▶ Privacy
- Gathering health history

Impact on individuals

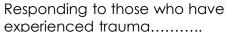


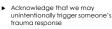
- ► Higher rates of self injury
- $\blacktriangleright\,$ Significantly less willing to engage in treatment
- ▶ Intrusive memories, nightmares and flashbacks
- Re-experiencing symptoms and emotions from previous trauma
- ▶ Increase in chronicity of stress
- ▶ Increased symptom relapse and re-hospitalization

We need to change the question

What is wrong with you? To

What has happened to you?





Better understanding of their behaviors and responses

Strive to see the world through the

experienced trauma.....



Trauma Informed Care 5 Principles

- Safety: ensuring physical & emotional safety "do no harm"

 Trustworthiness: Maximizing trustworthiness, making tasks clear, maintaining appropriate boundaries
- 3) Choice: Prioritizing patient choice & control over recovery
- Collaboration: Maximizing collaboration & sharing of power
- Empowerment: Identifying what they are able to do for themselves; helping patient find inner strengths needed to heal



Learn More

- · www.aliveandwellstl.com
- · National Child Traumatic Stress Network http://www.nctsn.org
- www.aacap.org/clinical/ptsdsum.htm (American Academy of Child & Adolescent Psychiatry)
- http://www.nimh.nih.gov/healthinformation/ptsdmenu.cfm
 (National Institute of Mental Health)
- http://www.massadvocates.org/HTCL_9-o9.pdf
- http://www.k12.wa.us/CompassionateSchools/pubdocs/TheHeartofLearningan dTeaching.pdf
- www.annainstitute.org