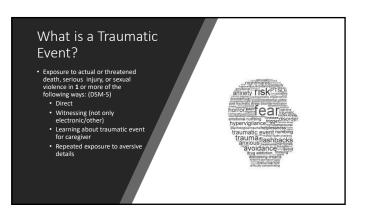


## Stress in America (APA, 2017)

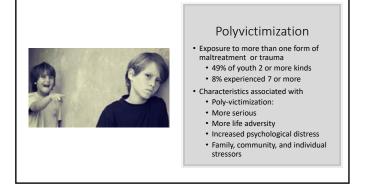
- What worries people?
  - Health care (43%)
  - Economy (35%)
  - Trust in government (32%)
  - Hate crimes
  - Wars/conflict with other countries (30%)
  - Terrorist attacks in the US (30%)
- Women and Black and Hispanic people reported significantly higher levels of stress

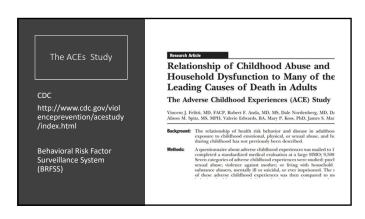


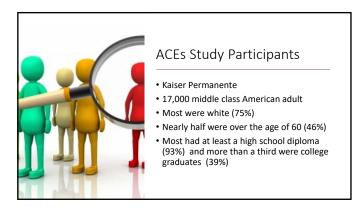


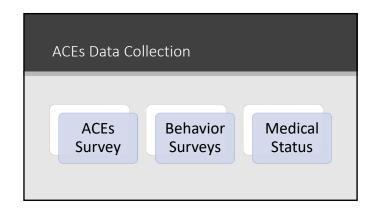












Did a parent or other adult in the household often or very often... Swear at you, insult you, put you down, or humiliate you? or Act in a way that made you afraid that you might be physically hurt?

Did a parent or other adult in the household often or very often... Push, grab, slap, or throw something at you? or Ever hit you so hard that you had marks or were injured?

Did an adult or person at least 5 years older than you ever... Touch or fondle you or have you touch their body in a sexual way? or Attempt or actually have oral, anal, or vaginal intercourse with you?

Did you often or very often feel that ... No one in your family loved you or thought you were important or special? or Your family didn't look out for each other, feel close to each other, or support each other?

Did you often or very often feel that ... You didn't have enough to eat, had to wear dirty clothes, and had no one to protect you? or Your parents were too drunk or high to take care of you or take you to the doctor if you needed it?

Were your parents ever separated or divorced?

Was your mother or stepmother...Often or very often pushed, grabbed, slapped, or had something thrown at her? or Sometimes, often, or very often kicked, bitten, hit with a fist, or hit with something hard? or Ever repeatedly hit over at least a few minutes or threatened with a gun or knife?

The ACEs Survey

Did you live with anyone who was a problem drinker or alcoholic, or who used street drugs?

Was a household member depressed or mentally ill, or did a household member attempt suicide?

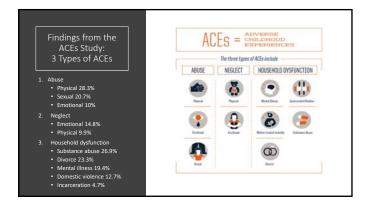
Did a household member go to prison?

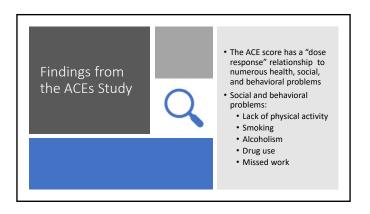
The ACEs Survey

## Findings from the ACEs Study: Prevalence of ACEs

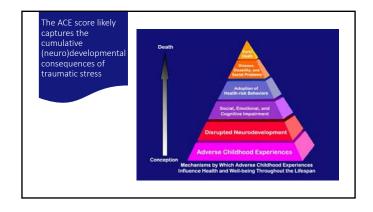
- Almost 2/3 of the participants reported at least one ACE
  - 1 ACE 26%
  - 2 ACEs 16%
  - 3 ACEs 9.5%
  - 4+ ACEs 12.4%





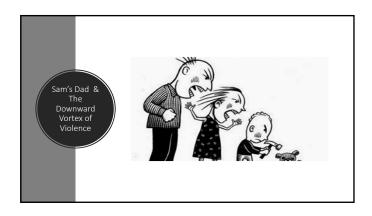














## Surviving ACEs: Sam's Mom

• Dealing with the impacts...

PTSD = Exposure +

Re-experiencing

#### **Avoidance**

Hypervigilance



## Sam's Experiences







# ACEs and Neurodevelopment: Sam's Story Begins

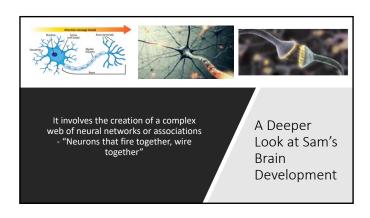
- Overdeveloped fear response system
- Inability to use relationships for safety & regulation
- Lack of development of the prefrontal cortex



# Understanding Sam's Brain Development

- Brain development is...
  - Sequential & hierarchical (bottom up and inside out)
  - Use dependent development
  - Shaped by experiences





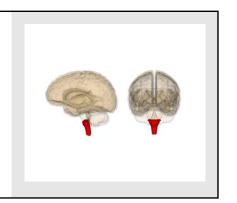
Sam's Behavior from A Neurobiological Perspective: Early Brain Development

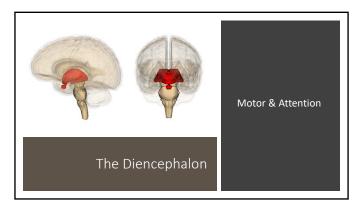
- The brainstem and adaptive functioning:
  - Breathing
  - Heartrate and blood pressure
    • Sleep, wake, consciousness

  - · Eating, drinking, satiety

  - Toileting

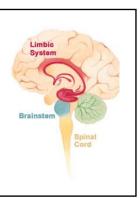
    "Activities of Daily Living or ADLs"





## Limbic System

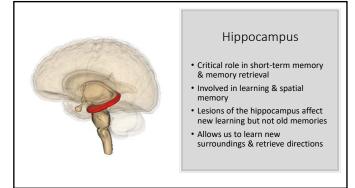
- Primary role is self & species preservation
- Emotion center of the brain or the "feeling and
- Regulates autonomic & endocrine function
- · Sets our level of arousal
- Involved in motivation and reinforcing behaviors



The Amygdala

- "Fear center" of the brain
- Stimulation = behavioral arousal & rage reactions
- Attentional, emotional, and social processes

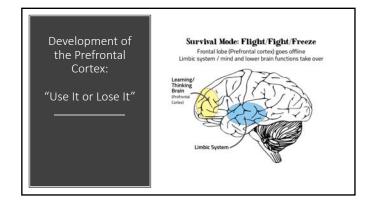


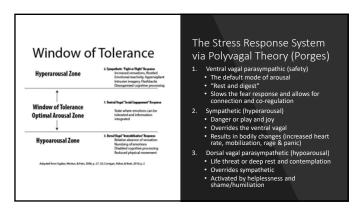


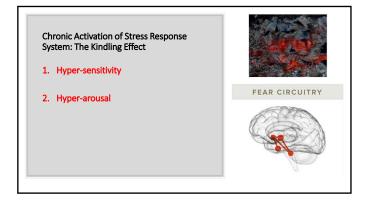


## **Prefrontal Cortex**

- Executive functioning
- Learn from consequences
- Plan for the future
- Think about one's behavior
- Have empathy for others
- Start and stop behavior

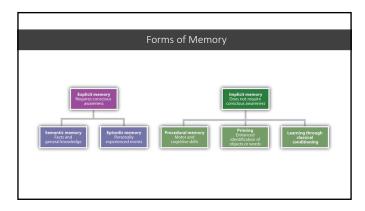


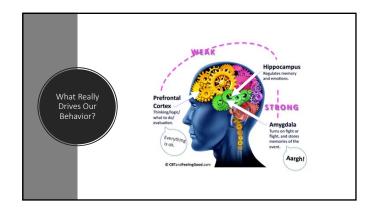


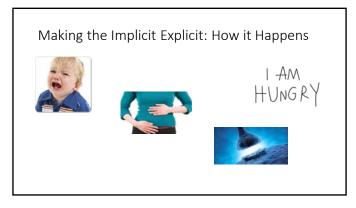














# Sam as a Young Boy Problems with body functions (sleeping, eating, toileting) Sensory sensitivities — easily upset by noise, touch, tastes, and busy spaces Developmental delays (speech, motor, social skills, exploration & play) Health problems (asthma, headaches) Emotional difficulties: Irritable, angry often Hard to comfort/sad a lot









Social Neuroscience: How Relationships Shape the Brain



- A caregiver's ability to provide a sense of safety for children—to observe, mirror, and co-regulate for them—is reliant upon their own brain development
- When caregiver did not receive loving interactions, pleasure reward system and mirror neuron systems are comprehensed.
  - Interactions with their own
  - Ability to mirror, empathize, co-regulate their child is compromised



# ACEs, Attachment, & Caregiving

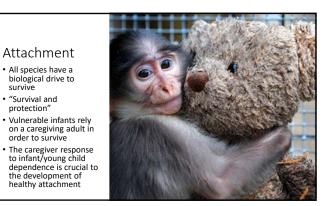
- Lack of pleasure
- Inability to recognize, tolerate, and respond to distress (avoidance)
- Core shame (worthless mother)
- Avoidance
- Lack of reflective capacity













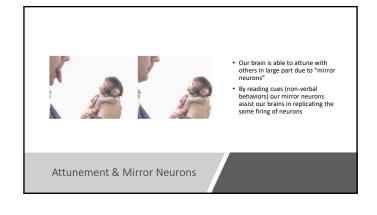


protection"

- Building block of attachment
- Interactive in nature and occurs synchronously
- · Assists to make sure that needs are met in the relationship
- It can be taught!

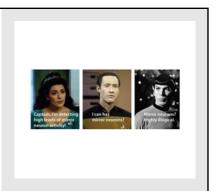
"The process of paying attention to, reading each other's non-verbal cues and responding appropriately..." (Perry, 2001).





## Mirror Neuron **Functions**

- 1. Imitation
- 2. Prediction and
- 3. Attunement or emotional resonance

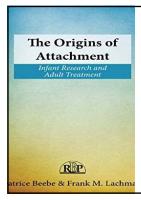




## Attunement and Safety

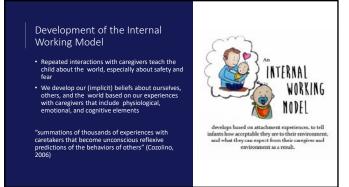
- Our safety as young children is dependent upon our caregivers ability to make us feel
- We feel safe when our caregivers accurately read our cues and meet our needs for regulation
- We use our caregiver as secure base for exploration of the surroundings (proximity seeking) (Bowlby)





## Understanding the Roots of Attachment Problems

- Beatrice Beebe The Origins of 12-Month
- Caregiver responses to infant distress (4 months)
  - · Affect recognition
  - Co-regulation
- The follow-up
  - Strange Situation at 12 months
  - The Adult Attachment Interview
- The importance of distress
- "Being known by the caregiver"



## Emotional, Social, & Cognitive Delays and or Impairments

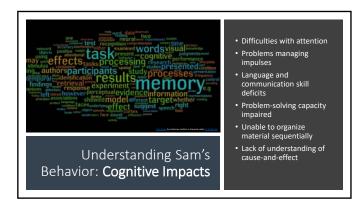


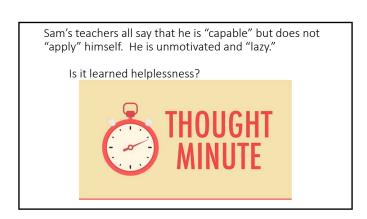
- Emotional
  - · Identification, modulation, & expression
- - Attunement, attachment, & social skill development
- Cognitive
  - Language development
  - Use of executive functioning



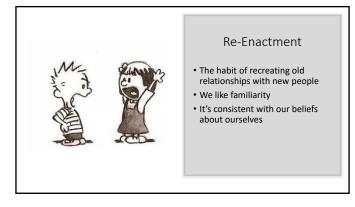
















• Urges to reject the child • Abusive impulsive towards the child Common Reactions to Emotional withdrawal and Traumatized Youth depression Feelings of incompetence/helplessness



## And Sam...

#### The progression of CORE SHAME

- · Not prepared adaptively
- Unable to understand and express emotions meltdowns, aggression
- Behavior repulsive to peers and adults
- Poor attunement and social skills
- Disengage prefrontal cortex
   Stop behavior

  - Start behavior
  - Think about oneself and others
  - Learn from experiences and consequences
  - Make meaning of experiences



## Responses to Sam's & His Family: Shame & Blame

- He doesn't remember (don't speak the unspeakable shame)
- You don't protect your child (and aren't capable/worthy)
- Focus on behavior, pathology, & diagnosis
- Siloed systems & misdirected intervention



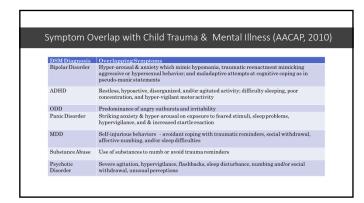


Trauma and Student Mental Health: PTSD

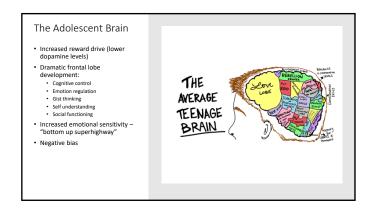
• Most children with complex trauma symptoms will NOT meet the full criteria for PTSD

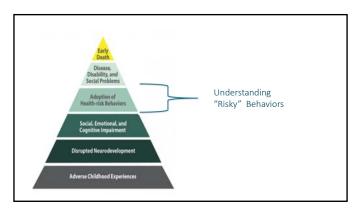
• According to large studies, about 95% of children with traumatic stress symptoms will not meet PTSD criteria

• Trauma symptoms are often misdiagnosed as other DSM diagnoses and treated in a way that is not effective because it does not address the root of the problem

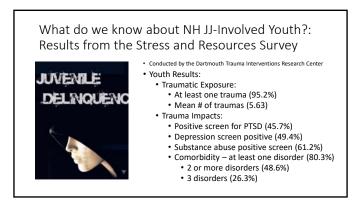


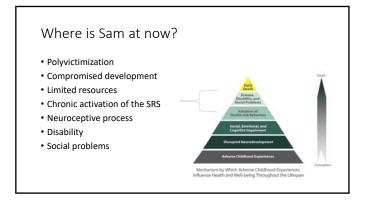


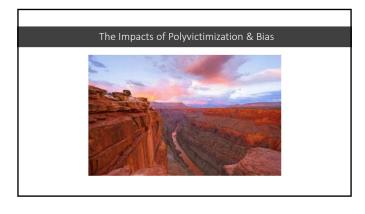


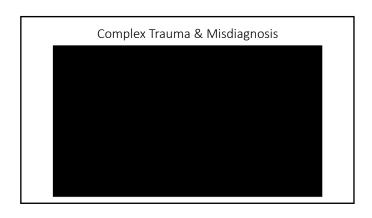














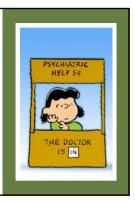
Trauma Sensitive Interventions





## What about therapists?

- The Partners for Change project: An Example
- The limits of time
- The nature of the relationship
- Pressures to change behavior and COWs



## Typical Fears & Concerns

- It will be traumatizing to bring up past experiences of trauma
- The youth will "fall apart"
- "I won't know how to react"
- The person you are asking is sometimes the one who caused trauma



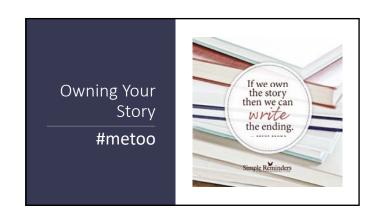
The College Student Study College students who report traumatic experiences

Screening for PTSD symptoms

Random assignment to 1 of 4 conditions

Re-screening at the 3-month period

The results – what do you think?

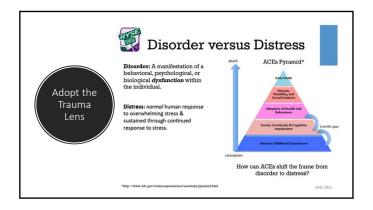


# Why Talk About Trauma?

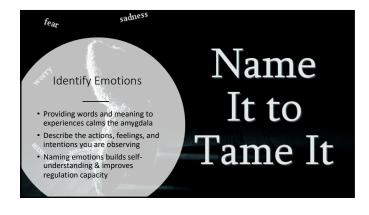
- It helps with healing
- Reduce shame
- Normalize behavior
- Change the perceptions and behaviors of others
- You might be the only one who asks
- It can change brains!





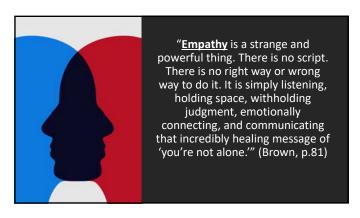














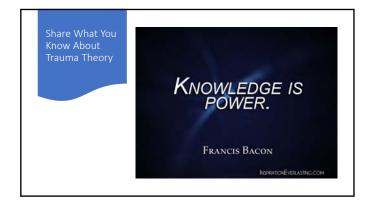


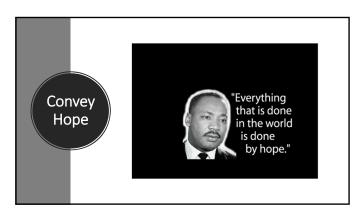
















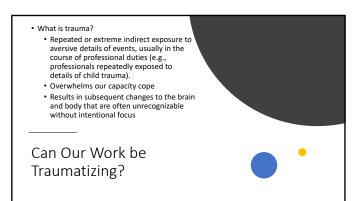
# Attunement & Emotion Contagion

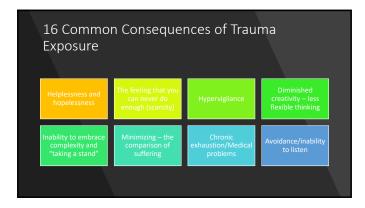
- The downside to emotional attunement...
- We are susceptible to being infected by the negative feelings of others
- The upshot...
- We have the power to impact the emotions of others
- Working with traumatized individuals has an impact on other people such that they experience the same thoughts, emotions, and behaviors (parallel processes)

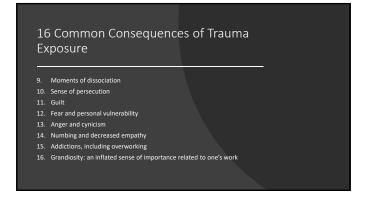


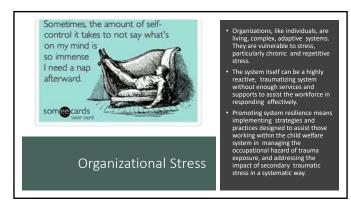
Compassion Satisfaction
Secondary Traumatic Stress
Vicarious Traumatization
Compassion Fatigue
Empathy Fatigue
Burnout

Definitions of Work-Related
Stress













#### Reflective Practice

- A way to use thinking about reactions and experiences to learn and grow
- Reflective practice is developing selfawareness AND other-awareness

"Reflective capacity refers to being aware of one's own personal thoughts, feelings, beliefs, and attitudes as well as understanding how these practices affect one's behaviors and responses when interacting with others."

(Tomlin, Weatherston, & Pavkov, 2014, p. 71)



## A Common Myth



I can separate myself and my work.

# People Bring Themselves: What's in Your Suitcase?

- People bring a past and a present to anything they do
  - Their schemas and beliefs
  - Their stigma beliefs
- Their social support systems
  - Positive support
  - Negative support
- Their history of trauma and illness
- Their families and close others
- Their economic situation

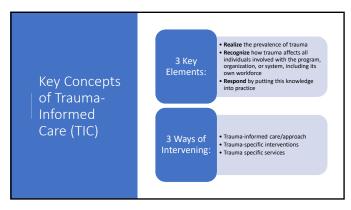


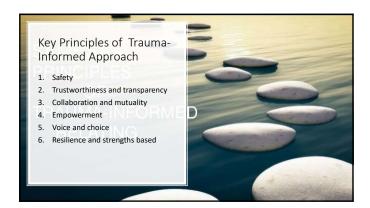


# Reflection: The Key to Transformation

- Attachment experiences and implicit reactions can become explicit through repeated opportunities for reflection
- The more times we make connections between reactions and previous experiences, the more control we have over them
- The things that are most difficult to look at cause to AVOID
- As a result, we must be brave and non-judgmental



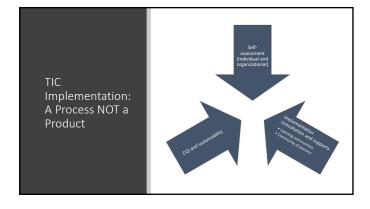


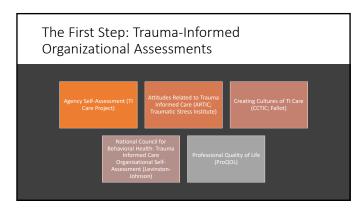


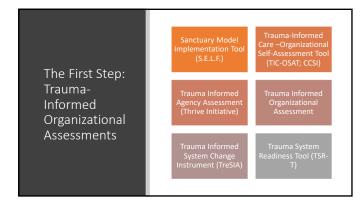
## TIC Implementation: A Process NOT a Product

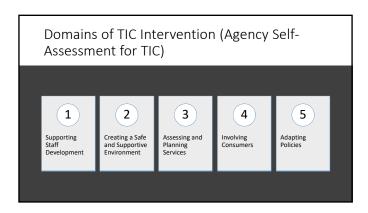
- 1. Initial planning
  - Garnering administrative commitment
- Developing a workgroup
   Assuring stakeholder involvement
- Identifying "trauma champions"
- Developing awareness of scope (several year process)
- 2. The kickoff training event
  - 1-2 days minimum
  - Content:

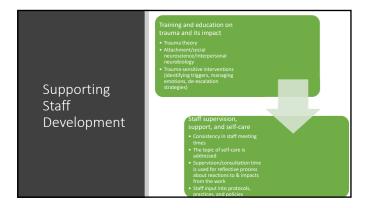
    - TIC principles
       STS and staff self-care













Assessing and Planning Services

 Intake assessments include a focus on culture and strengths

 Inquires are made about traumatic experiences and impacts

 Processes are transparent and respect privacy/confidentiality

 Goal setting and planning are done collaboratively

 Trauma-specific services and interventions are available or referred to

