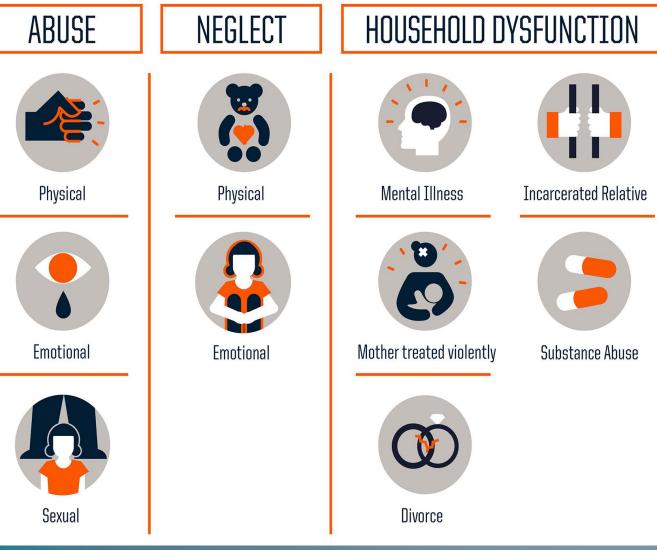
APPLYING ACE'S (ADVERSE CHILDHOODEXPERIENCES)ABUSENEGLECTHOUSEHOLD DYSFUNCTION

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Co-Occurring Symposium January 24-26, 2024 Rochester, MN



Basic Objectives

- Identify ACE Categories
- Define Toxic Stress
- Define Epigenetic Trauma
- Review Longitudinal ACE Impact
- Consider Integrated Trauma Informed Care (TIC) Principles

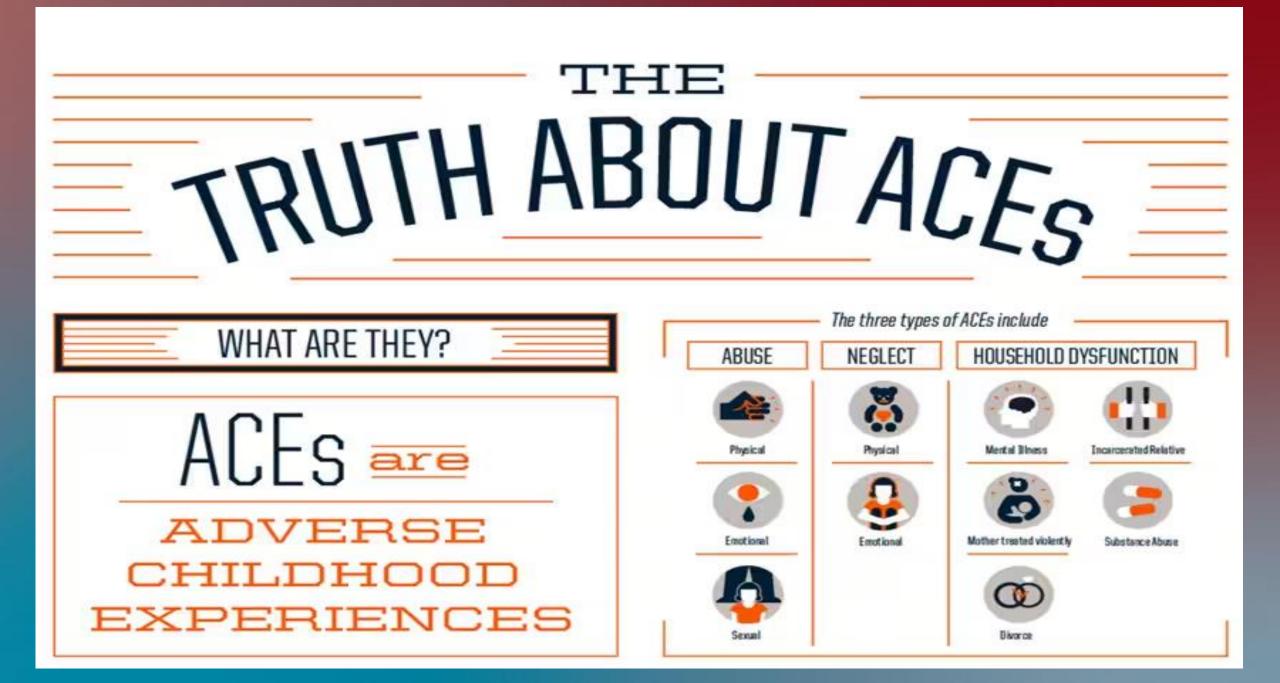
Trauma noun[trou-muh]

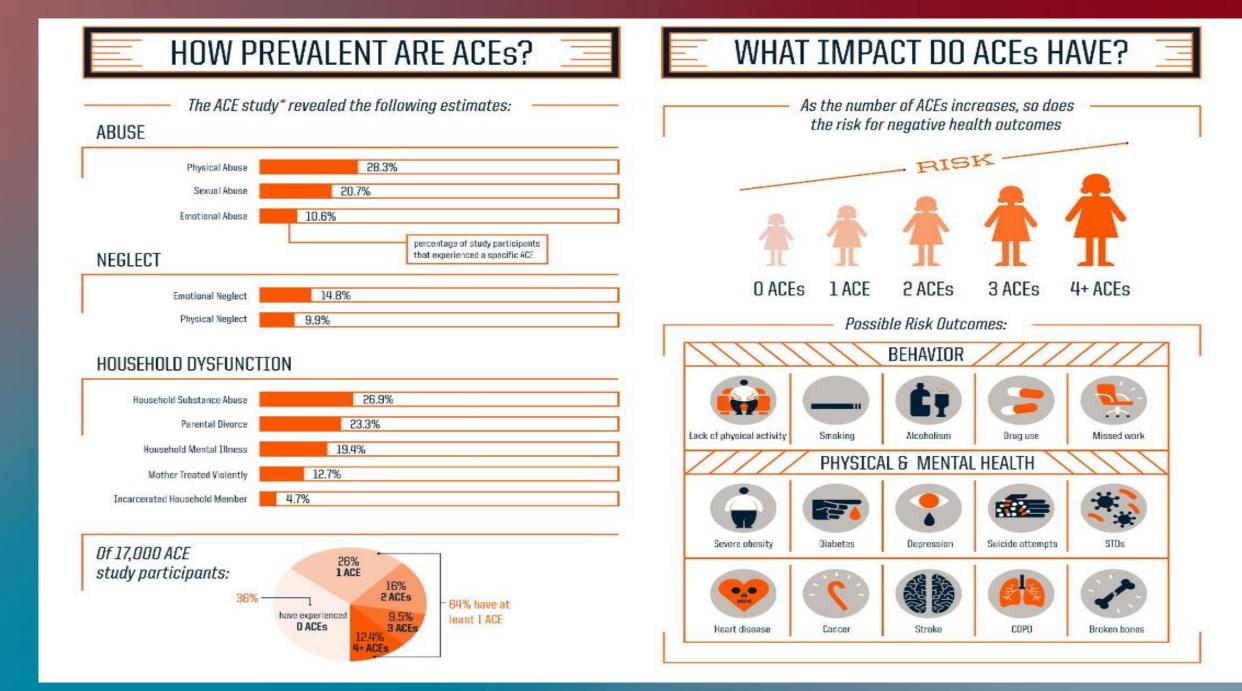
1. hurt that hinders one from moving forward 2. past internal pain that keeps one stuck 3. psychological, spiritual, and/or emotional wounds a. inflicted through feelings of neglect b. inflicted through negative experiences

What is trauma?

Trauma is anything that our system can't handle or process. It is not what happens to us, but what we hold inside in the absence of an empathetic witness.

-Peter Levine





ACE HISTORY

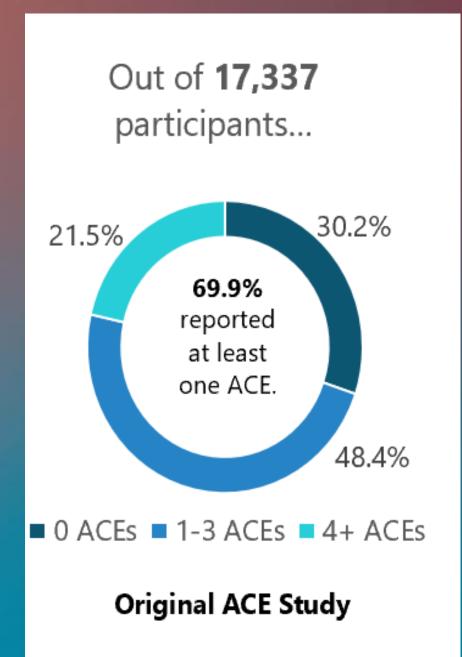


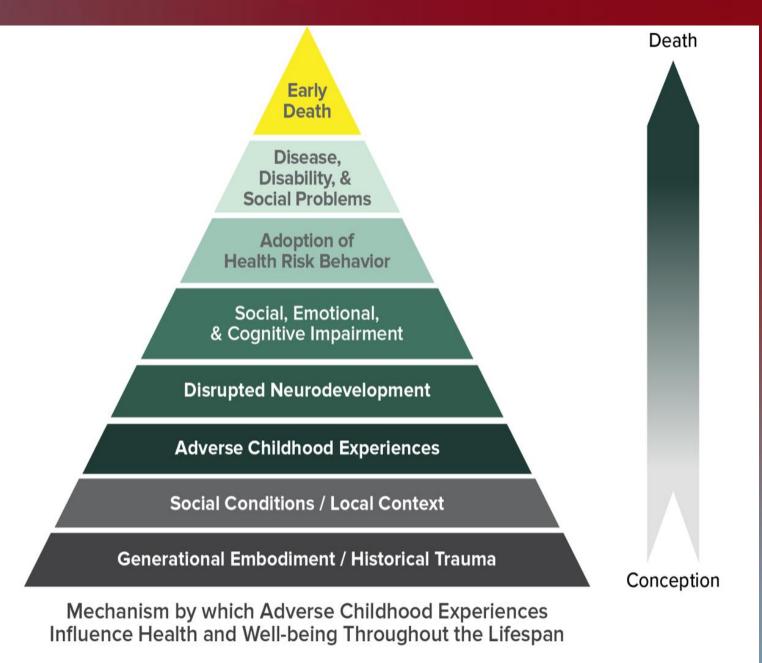
Vincent Felitti, MD

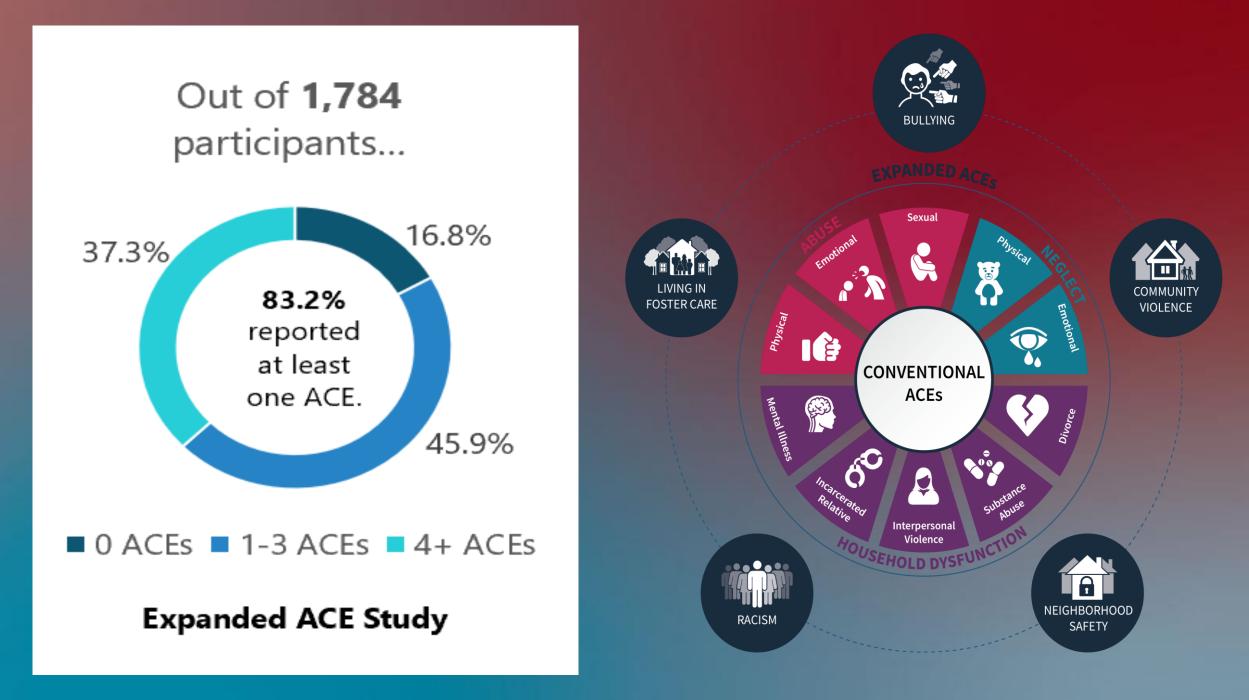
Robert Anda, MD



Sexual Abuse and Obesity



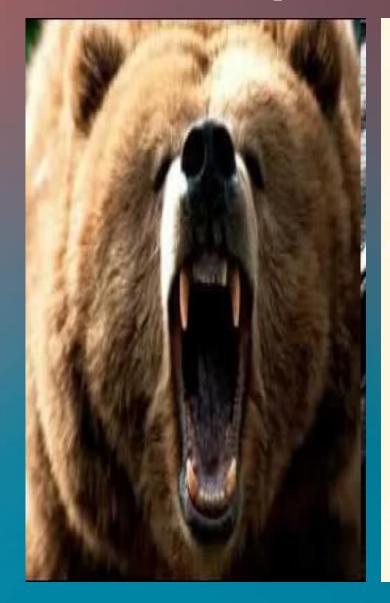




Trauma in the Family System Treatment involves bringing about appropriate structural change within the family



Stress Response



STRESS IN CHILDHOOD



Stress is mental, physical or biochemical response to a perceived theat or demand. STRESS IS A NATURAL AND INEVITABLE PART OF CHILDHOOD, BUT THE TYPE OF STRESS CAN MAKE A DIFFERENCE IN THE IMPACT OF A CHILD'S BRAIN AND BODY.



• TEMPORARY, MILD ELEVATION IN STRESS HORMONES, BRIEF INCREASE IN HEART RATE

• NO BUFFERING SUPPORT NECESSARY

• INCREASED RESILIENCE AND CONFIDENCE -DEVELOPMENT OF COPING SKILLS 3 TOLERABLE STRESS

SERIOUS, TEMPORARY STRESS, BUFFERED BY SUPPORTIVE RELATIONSHIPS

• MORE SEVERE, CONTINUING AND HORMONAL RESPONSE.

• PRESENCE OF A PARENT, CARING PARENT, BUFFERING.

• ADAPTION AND RECOVERY WITH SOME POSSIBILITY OF PHYSICAL AND EMOTIONAL DAMAGE



ACTIVATION OF STRESS RESPONSE SYSTEM WITHOUT PROTECTION.

• PROLONGED ACTIVATION OF STRESS RESPONSE SYSTEM + DISRUPTED DEVELOPMENT OF BRAIN AND IMMUNE SYSTEM.

. NO ... APULT BUFFERS

• LIFELONG CONSEQUENCES: CANCER | HEART DISEASE | ALCOHOLISM | MEMORY AND LEARNING PROBLEMS | ANXIETY + DEPRESSION

Toxic stress has lifelong consequenses

Adapted from @7030Campaign

microtrauma

Microtrauma is the phenomenon in which small negative events add up and create programmed assumptions in our brains. These lead to automatic (and often unwanted) emotional responses.

Examples of microtraumas can include:

- Being interrupted or talked over
- Being treated with disrespect
- Incessant criticism
- Being yelled at or scolded often
- Being left out
- Being ignored
- Having your boundaries violated
- Not having your needs met

Betrayal Trauma

is also the person for care, comfort, and sa

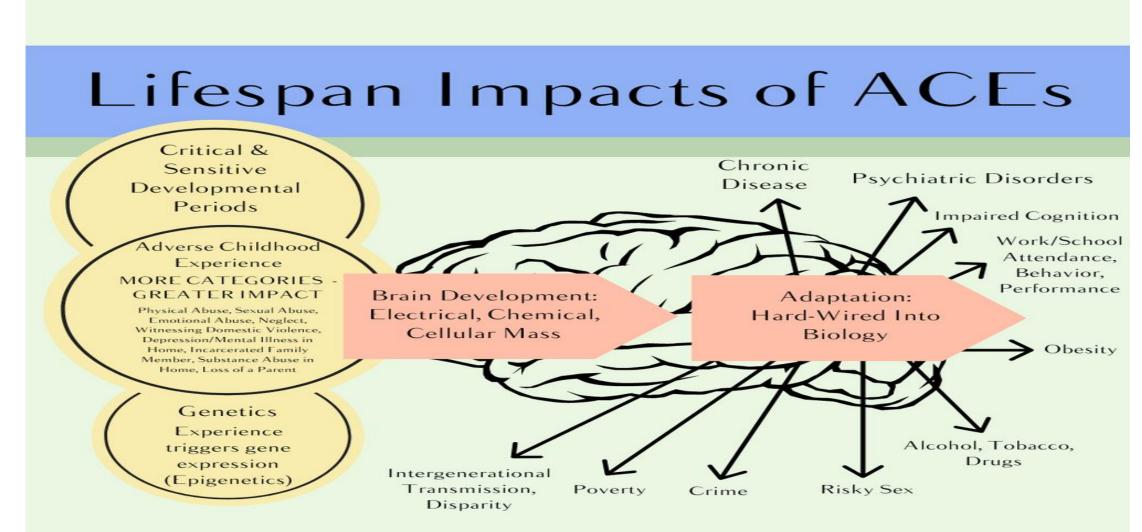
MOTHER-CHILD ATTACHMENT Attachment theory

Attachment theory relates to the emotional bond that connects an infant to the main person taking care of them (usually their mother). The way in which a mother reacts to the behavior of her child is of utmost importance as it determines whether this child will be able to count on her

and feel safety and comfort.



LIFETIME LEGACY



ACE OUTCOMES

Behavioral Health Concerns Associated with ACEs











Lack of physical activity

Smoking

Alcoholism

Drug use

Missed work

Physical & Mental Health Concerns Associated with ACEs



Severe obesity



Diabetes

Cancer





Suicide

attempts

STDs



Heart disease



Depression

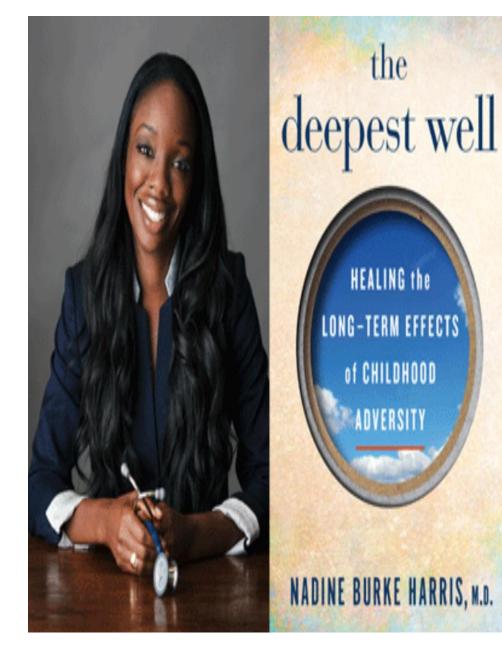
Stroke



COPD



Broken bones

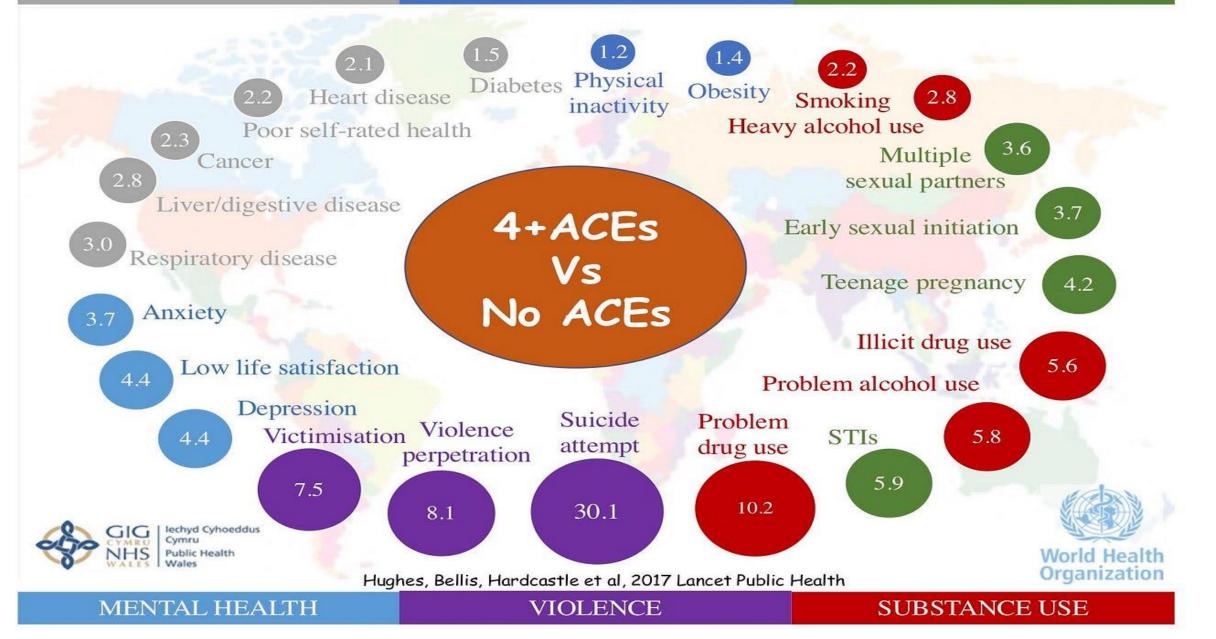


Collaborative Global ACE Analysis with WHO

PHYSICAL HEALTH

WEIGHT & EXERCISE

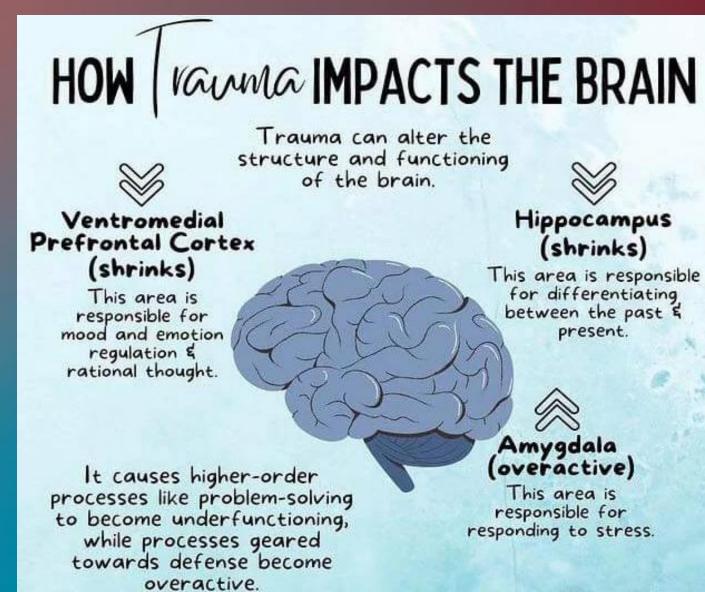
SEXUAL HEALTH



Trauma Response & Untreated Outcomes



The Body Keeps the Score...



Physical Impact

Brain Architecture Shrinkage in prefrontal cortex, corpus callosum, and hippocampus. Enlarged and more reactive amygdala. Resolution: safe and stable nurturing relationships, walk in nature, touch, exercise

Need to 'rewire' our brain from old

thought patterns and habits of mind,

neurofeedback, meditation/ mindful

action, positive self-talk

conscious, and unconscious, Resolution: 778

Neural Pathways

of Trauma

Brain Waves

Predomination of wrong brain waves in wrong part of the brain leads to anxiety, unable to concentrate, and seizures. Resolution: neurofeedback

Neurotransmitters

Vulnerable to addiction because dopamine transmitters/receptors not developed or damaged. Reduces motivation & focus, creates fatigue Low seratonin causes depression.

Hormones Prolonged high cortisol and ghrelin creates greater reactivity to stress. L

creates greater reactivity to stress. Long term damage to cells, structures of the body, and other homone glands (thyroid). Resolution: oxytocin ("the love hormone")

Toxin Elimination Intestines and kidneys less able to eliminate toxins (slow gut or unbalanced flora). Resolution: salt baths, sauna

Nervous System

Supercharged sympathetic nervous system. Parasympathetic nervous system not engaged to bring back into balance. Resolution: yoga, breathing, or other physical/emotional regulation

> Immune System Resistance to cortisol or lower cortisol creates unchecked inflammation. Cause of many diseases: asthma, arthritis, etc.) Resolution: meditation/mindful action, walking in nature, diet, rest

Cellular Change

Shortens telomeres which prematurely ages and reduces reproduction of cells & can cause cancer. Resolution: social support

Epigenetics turns genes on or off in adaptation to dangerous environments. Effect can last generations. Resolution: Safer environment (perception of)



INTERGENERATIONAL TRAUMA

@THEPRESENTPSYCHOLOGIST

Someone who experiences trauma (like abuse) can suffer from lifelong effects Effects like anxiety, shame, depression, substance abuse and risky behavior When that person has children, the impact of the trauma can affect them

Parents may develop a neglectful/authoritative style or project their trauma on their children As a result, the child develops a trauma due to growing up with a traumatised parent This is 'intergenerational trauma' as the effects of trauma are passed on through generations

"Being traumatized means continuing to organize your life as if the trauma were still going onunchanged and immutable—as every new encounter or event is contaminated by the past."

BESSEL VAN DER KOLK, THE BODY KEEPS THE SCORE

SUBSTANCE USE DISORDER (SUD)

SUBSTANCE USE DISORDER UNABLE & CONTROL USE of LEGAL or ILLEGAL SUBSTANCES



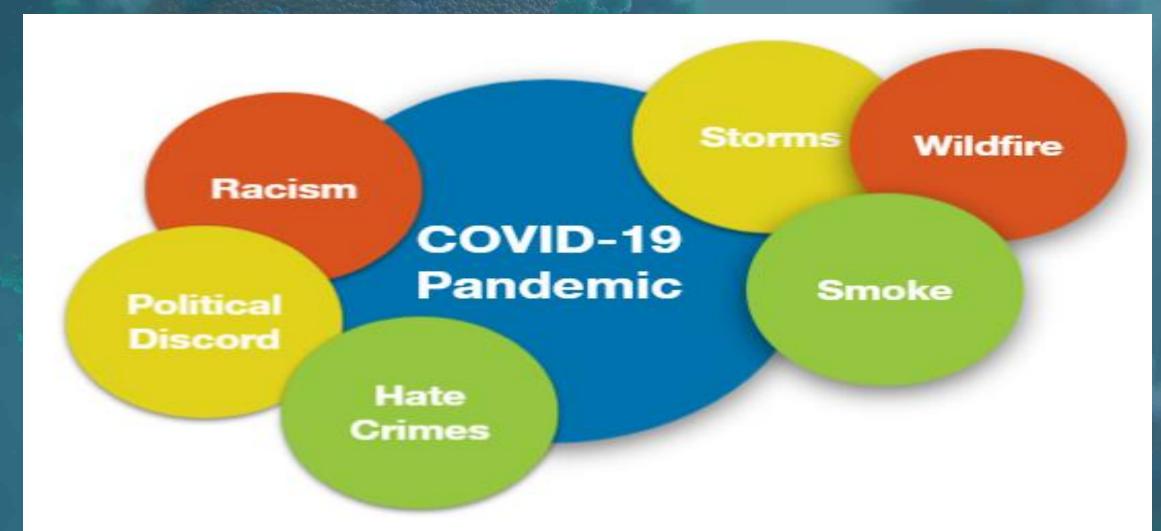
3 STACES DEPENDENCE REPEATEDLY USED TOLERANCE 1 AMOUNT IN HAVE SAME EFFECT ADDICTION RECURRENT & UNCONTROLLED "What is universally recognized is that untreated trauma underpins a good deal of substance use disorder."

Not why the addiction, but why the pain.

– Gabor Maté

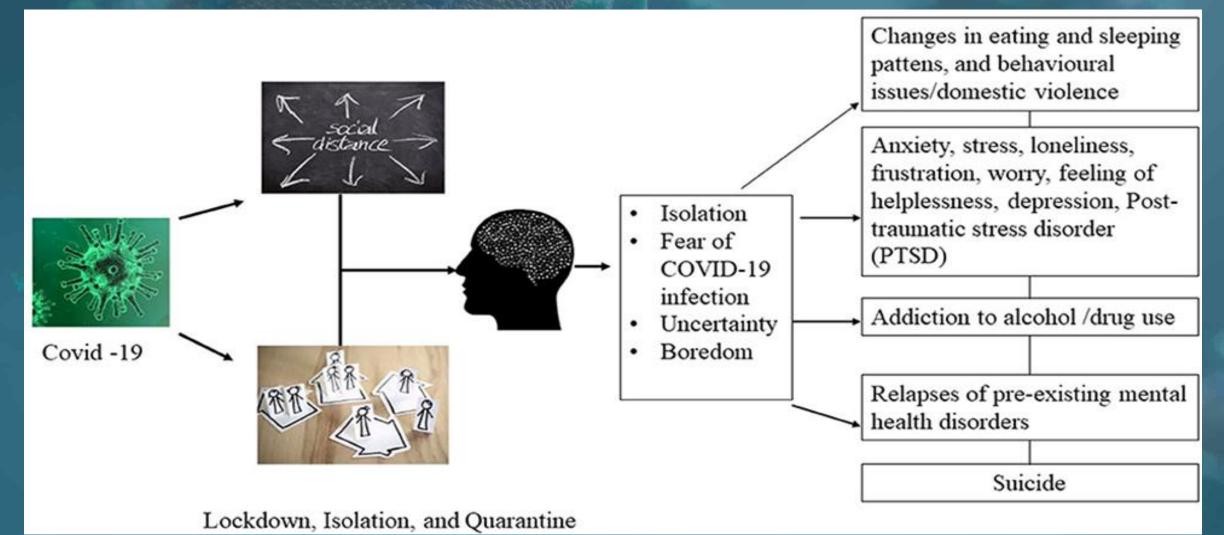
Pandemic Era Impact

"Collective Trauma"



Pandemic Era Impact

"Collective Trauma"



Pandemic Era Trends

CHANGES IN DEMAND BY TREATMENT AREA SINCE THE CORONAVIRUS PANDEMIC STARTED



% REPORT INCREASED DEMAND

2021 2020

Depressive disorder

70%
58%
Anxiety disorder
82%
72%
Trauma-and stressor-related disorders
58%
46%
Feeding and eating disorders
15%
10%

Sleep-wake disorders 38% 33% Substance-related and addictive disorders 27% 18% Obsessive-compulsive and other related disorders 35% 25%

Solution Focus!

Adverse Childhood Experiences Once People Know About ACEs

"Once [they] ... have the information, they are able to look at the context of their lives differently.

Then they no longer feel they are to blame or that they're stupid or that there's something wrong with them. They understand that their bodies have experienced a normal reaction to abnormal circumstances across the span of their lives.

Nadine Burke Harris, MD The Deepest Well p 179



Adverse Childhood Experiences

Know Your ACE Score

loss of a parent
 parent with mental illness
 physical abuse
 sexual abuse
 emotional abuse
 physical neglect
 emotional neglect
 household domestic violence
 household member in jail
 parent with substance abuse

Drs. Vincent J. Felitti, Robert F. Anda et al 1998

Adverse Childhood Experiences How Knowing About ACEs HELPS

Dr. Burke Harris describes one woman's reaction to learning about ACEs :

"These are tears of pure, unadulterated joy." "Why joy?" ... "Because I understand now why I am this way. I understand why my siblings are this way. I understand why my mother raised us the way she did. I understand that I can break this cycle for my children and I understand that I'm not a victim, I'm a survivor." p. 178

Nadine Burke Harris, MD The Deepest Well p 178

Adverse Childhood Experiences

"ACEs are the new cholesterol"

If you don't screen for it, and you don't look for it, you'll never find it, but it has more health impacts than you imagine.

Paul Espias, MD, Kaiser, Hayward, CA from ACES Connection

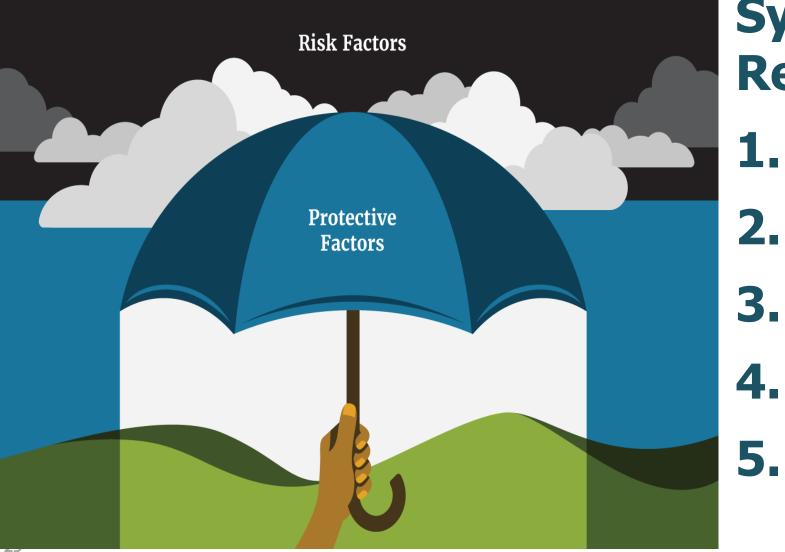


Adverse Childhood Experiences

"ACEs are changing medicine"

Knowing about ACEs can help those of us with chronic illnesses heal. And enables doctors be more effective because it makes us look more closely, anticipate problems more easily, identify potentially serious issues more quickly, and even head them off at the pass.

ACE ANTIDOTES



System Recalibration: 1. Sleep 2. Exercise 3. Nutrition 4. Mindfulness 5. <u>Relationships</u>

RECOVERY!

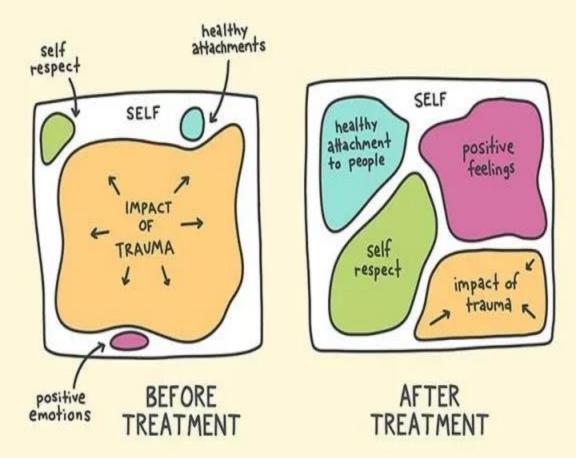
"Trauma is a fact of life. It does not, however, have to be a life sentence."

– Peter A. Levine

"Recovery can and does happen every single day, from whatever you're recovering from, and there are treatment options for everybody."

-Trish Caldwell

HOW TRAUMA THERAPY WORKS:



How we Think About Traumatic Events Changes How we Feel



When trauma is held as central to identity, people have more post-traumatic mental health symptoms.



People able to frame trauma as "something that happened" to them (part of their story but not core identity) have less.

RESEARCH: GEORGE, PARK, AND CHAUDOIR (2016) VISUALLY TRANSLANTED BY: @LINDSAYBRAMAN

Trauma Informed Care (TIC)

The Four R's

A trauma-informed program, organization, or system:

Realizes	Realizes widespread impact of trauma and understands potential paths for recovery
Recognizes	 Recognizes signs and symptoms of trauma in clients, families, staff, and others involved with the system
Responds	Responds by fully integrating knowledge about trauma into policies, procedures, and practices
Resists	• Seeks to actively <i>Resist</i> re-traumatization.

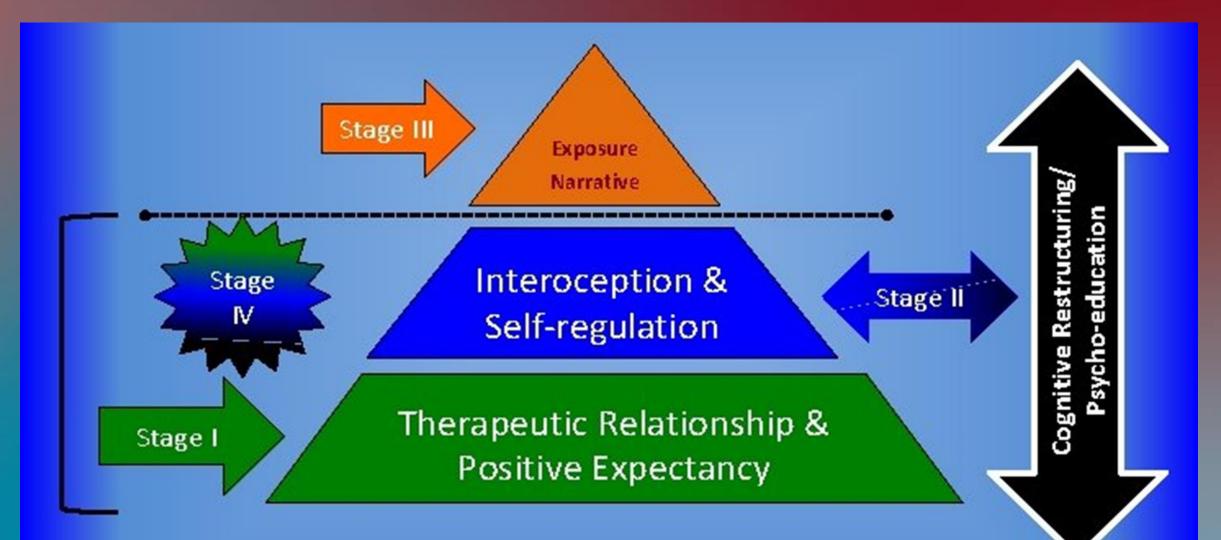
Trauma Informed Care (TIC)



EVIDENCE-BASED TREATMENTS

- Trauma-focused treatment is up to 86% more effective than no treatment
- Trauma focused treatment is more effective than supportive therapy
- Maturation No longer need to prove trauma-focused treatment is effective
- Rift in Field: Evidence-Based Manualized Tx vs. Non-specific Components
- No difference among treatments that work
- All effective treatments share common components

EVIDENCE-BASED TREATMENTS



QUESTIONS AND ANSWERS

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