## FROM ACES TO THE C-SUITE- AND ALL OF THE **BEAUTIFUL PLACES INBETWEEN**

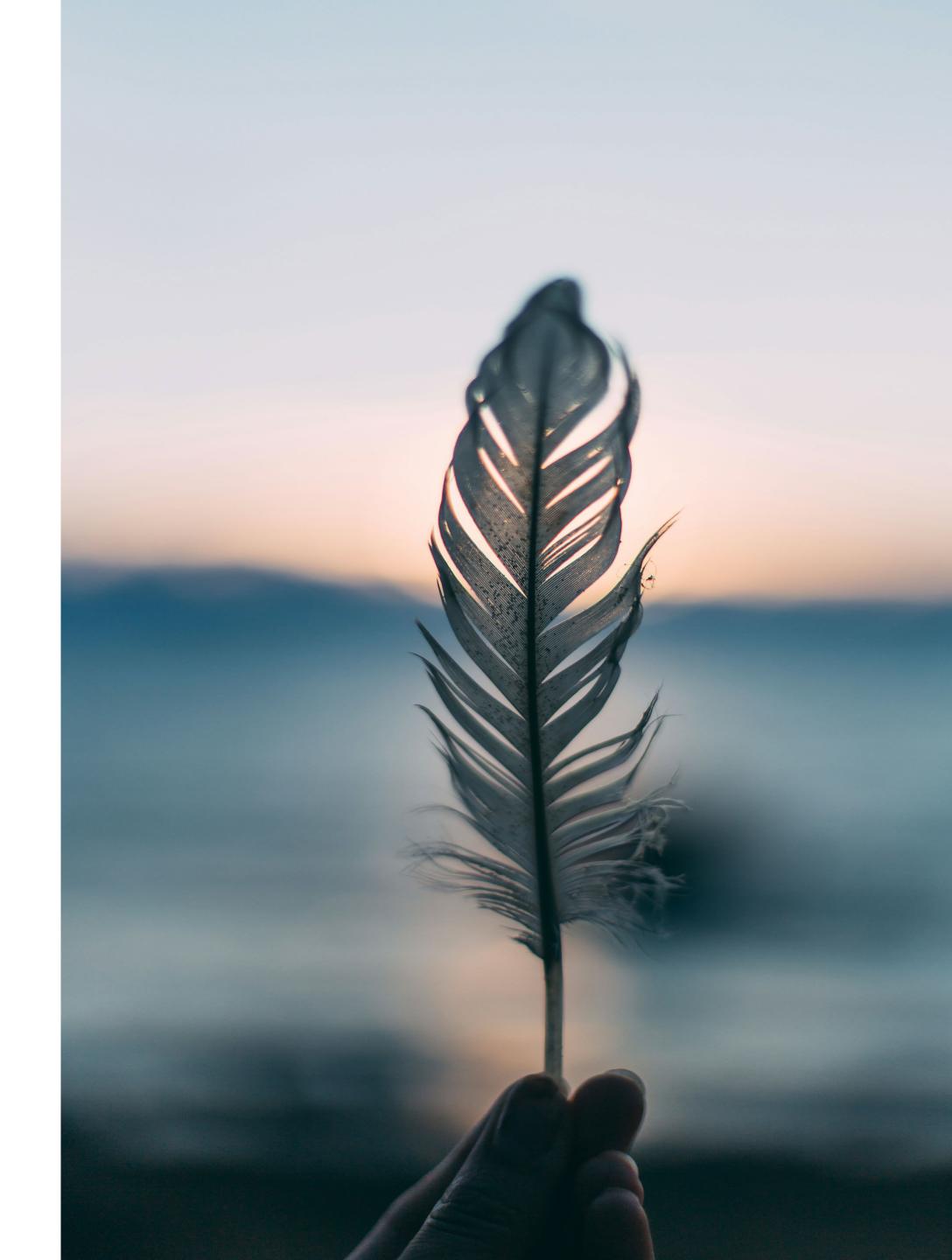




# **DISCLOSURE:**

THIS IS A HEAVY TOPIC.

It will include information around Adverse Childhood Experiences which includes conversations and information about Abuse, Neglect and Household Dysfunction.











# What to expect:

# ON A DOLLAR Store Budget













1000 Amagansett

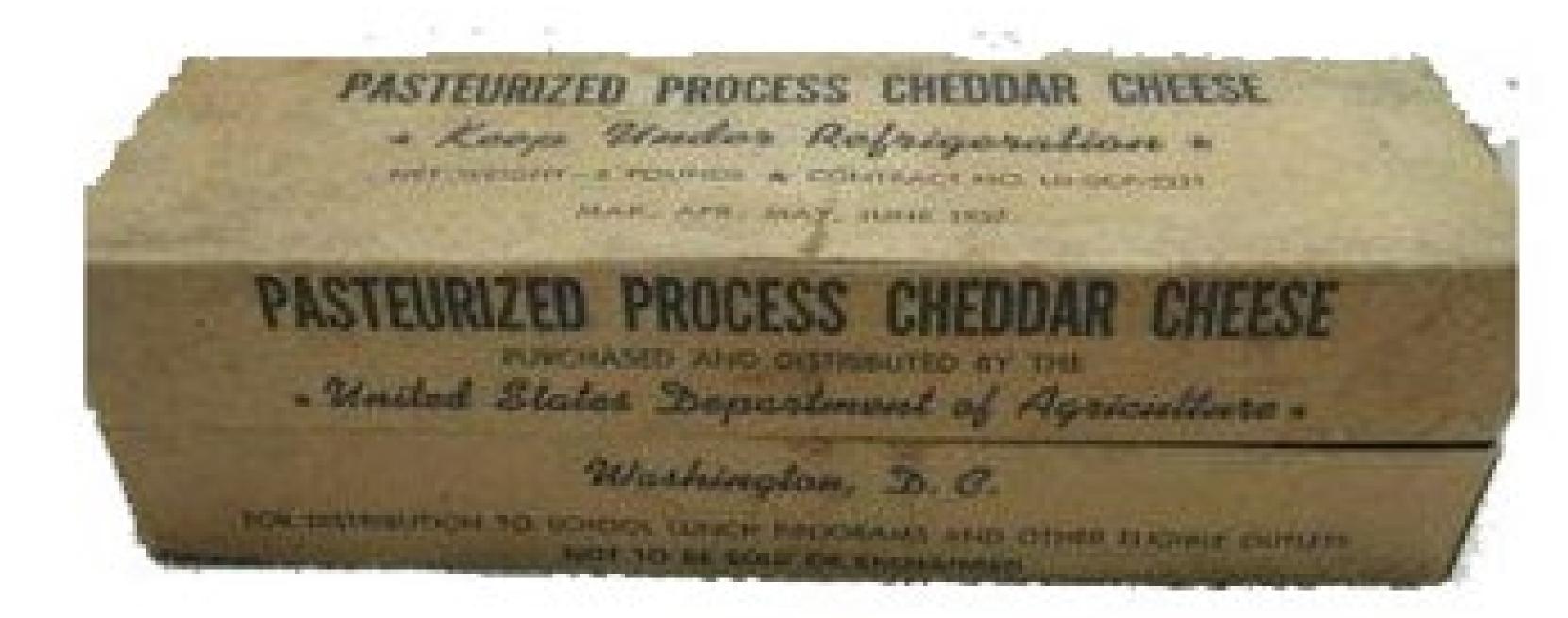
East Hampton













# DIAGNOSIS: I WAS A BASE KID







## Thank you Mrs. Block- THANK YOU community champions









#### ONG ISLAND **ADDICTION RESOURCE CENTER** longislandaddictionresourcecenter.org

# Example A Response Network







Opioid





# PREVENTION



# THE ADVERSE CHILDHOOD EXPERIENCES (ACES) STUDY

- The ACE Study was a research study conducted by Kaiser Permanente & the CDC
- One of the largest investigations of childhood abuse and neglect and household challenges & later-life health and well-being
- Between 1995 and 1997, over 17,337 people completed surveys asking questions about abuse, neglect or other family dysfunction they may have experienced as children and current health behaviors

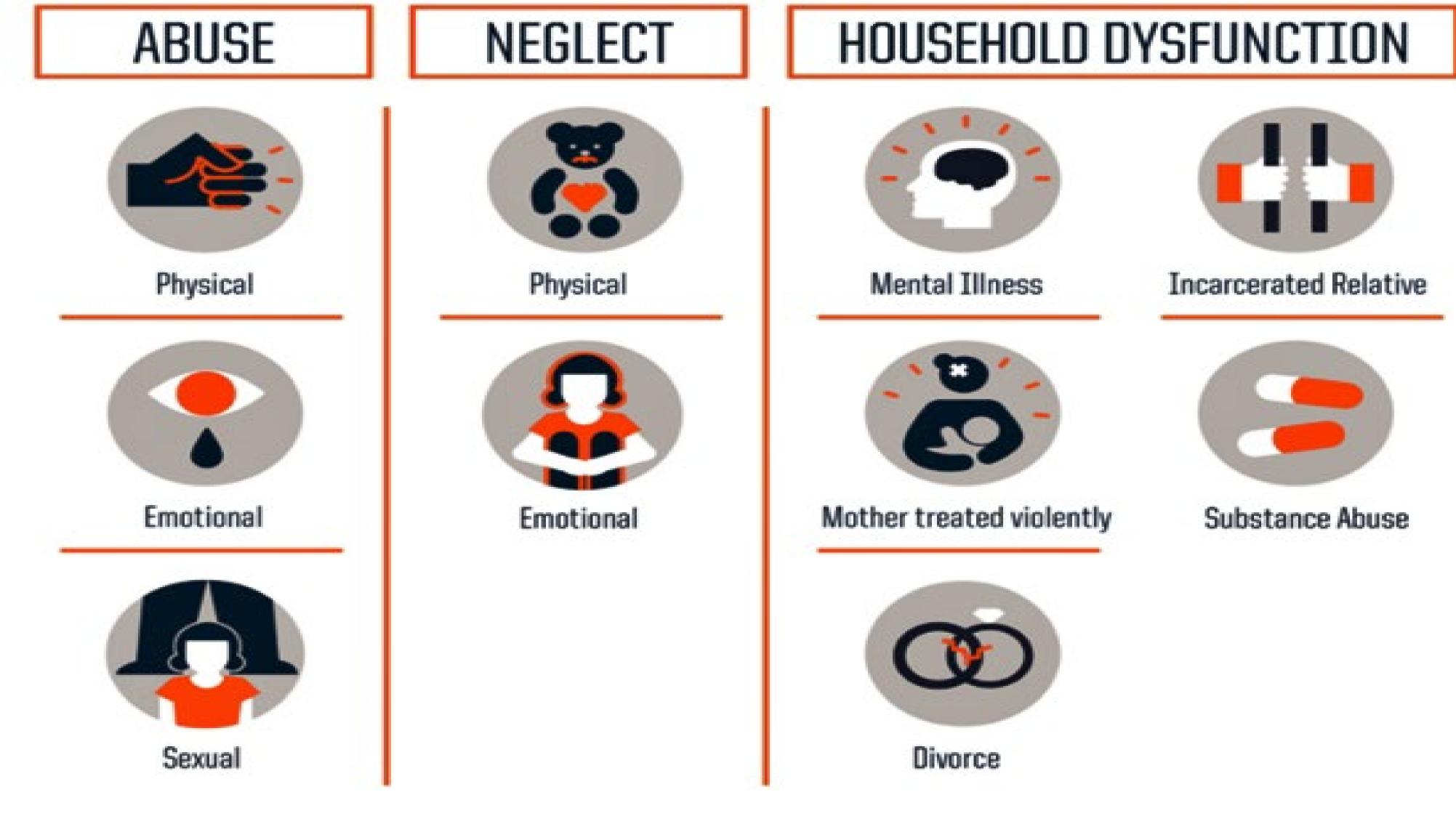
# DEFINITION OF ACES

"Adverse childhood experiences (ACEs) are potentially traumatic events that can have negative, lasting effects on health and well-being. These experiences range from physical, emotional, or sexual abuse to parental divorce or the incarceration of a parent or guardian."

> Felitti VJ, Anda RF, Nordenberg D, et al. Relationship of childhood abuse and household dysfunction to the many leading causes of death in adults: The Adverse Childhood Experiences. Am J Prev Med. 1998;14(4):245-258.



#### Three Types of ACEs



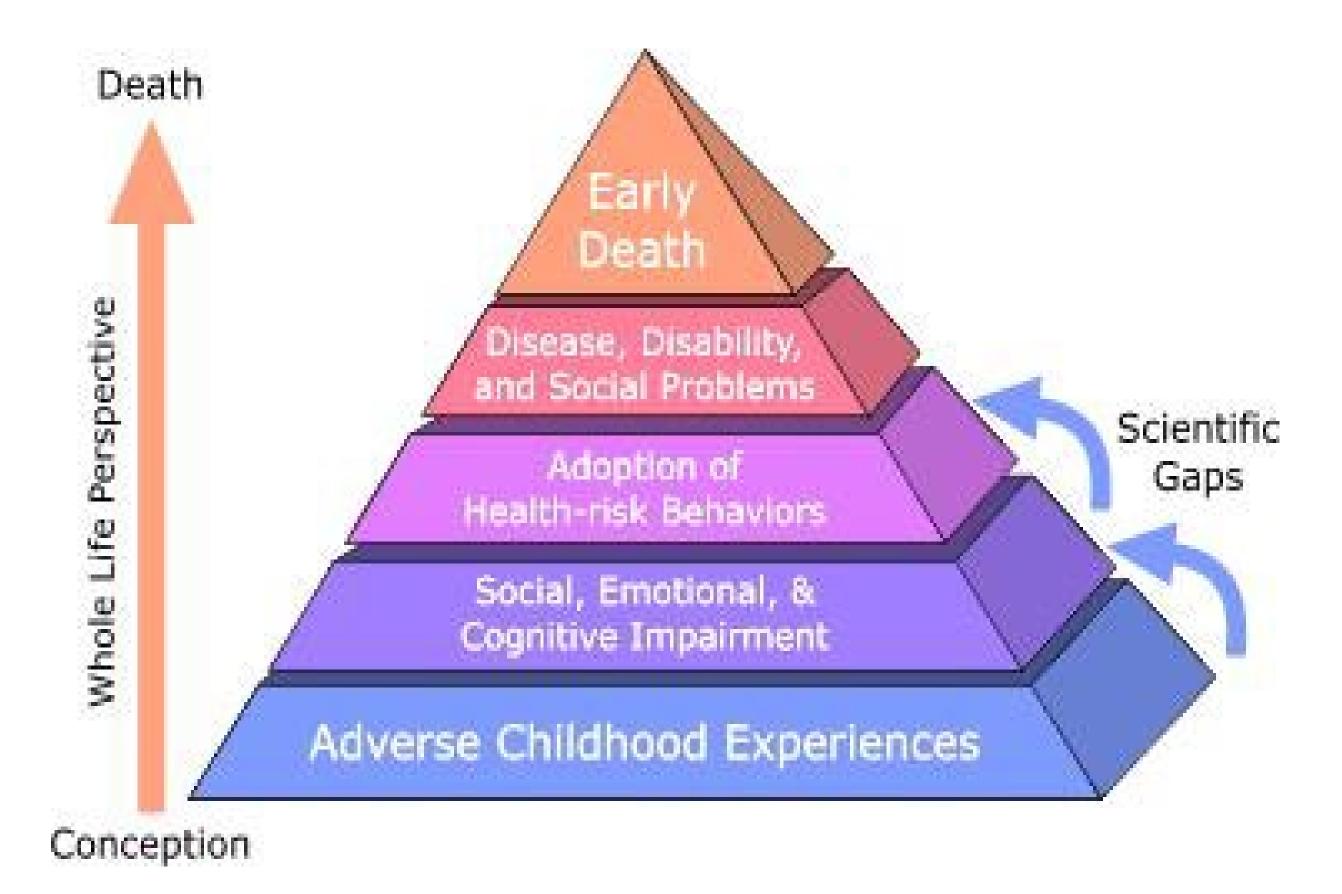
Source: Centers for Disease Control and Prevention

Credit: Robert Wood Johnson Foundation

# THE ACE PYRAMID

The pyramid represents the conceptual framework for the ACE Study

ACEs occur at the beginning of a child's life and set the groundwork for life-long health risks and poor behaviors



# THE ACES STUDY CONTINUED

## 10 significant health risk factors:

Morbid obesity - Physical inactivity - Depressed mood – Suicide attempts

- Smoking Alcoholism Any drug abuse Parenteral (IV) drug abuse
- High lifetime number of sexual partners (>50) History of a sexually transmitted infection (STI)

## 8 specific conditions in the respondents: Ischemic heart disease (myocardial infarction or nitroglycerin use)

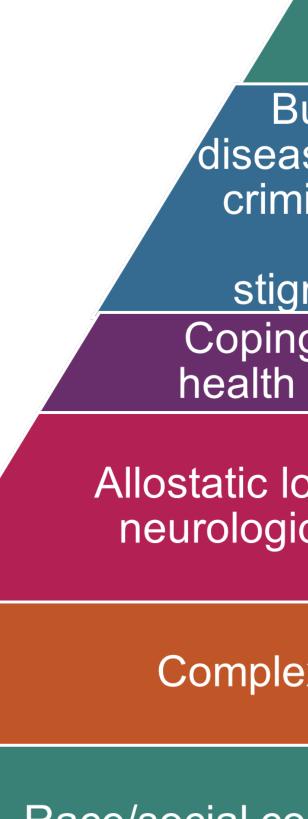
- Any cancer
- Stroke
- Chronic bronchitis
- Chronic obstructive pulmonary disease (COPD)
- Diabetes
- Hepatitis/Jaundice
- Skeletal fractures

Felitti VJ, Anda RF, Nordenberg D, et al. Am J Prev Med. 1998;14(4):245-258.

- Explicit and implicit bias/racism
- Bullying
- Losing a parent to deportation
- Living in an unsafe neighborhood
- Involvement with the foster care system
- Experiencing homelessness
- Living in a war zone
- Moving many times
- Witnessing a sibling being abused
- Witnessing a father/caregiver/extended family member being abused
- Involvement with the criminal justice system
- Attending a school that enforces a zero-tolerance discipline policy... Follow up studies included above

# BUT NOT ALL WAS CAPTURED:

Witnessing violence outside the home



Generational embodiment/historical trauma

Early death
Burden of
ase, distress,
minalization,
and
gmatization
ng/adoption of
n risk behavior

Allostatic load and disrupted neurological development

Complex trauma/ACE

Race/social conditions/local context



- 1220% more likely to attempt suicide
- 1003% more likely to use injected drugs
- 460% more likely to have recent depression
- •390% more likely to have lung disease.

# ADULT OUTCOMES AFFECTED BY ACES

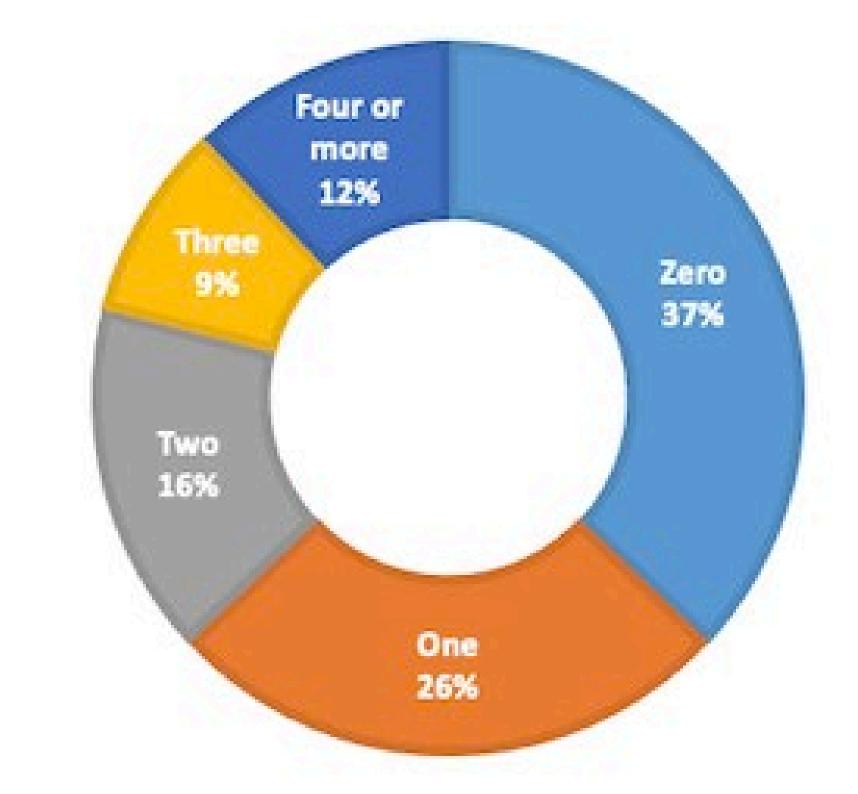
## Adults with an ACE score of 4 or more are

## Adults with an ACE score of 2 or more are

- 400% more likely to consider themselves an 'alcoholic.'
- At least 5 of the top 10 leading causes of death are associated with ACES.

# How common are ACEs?

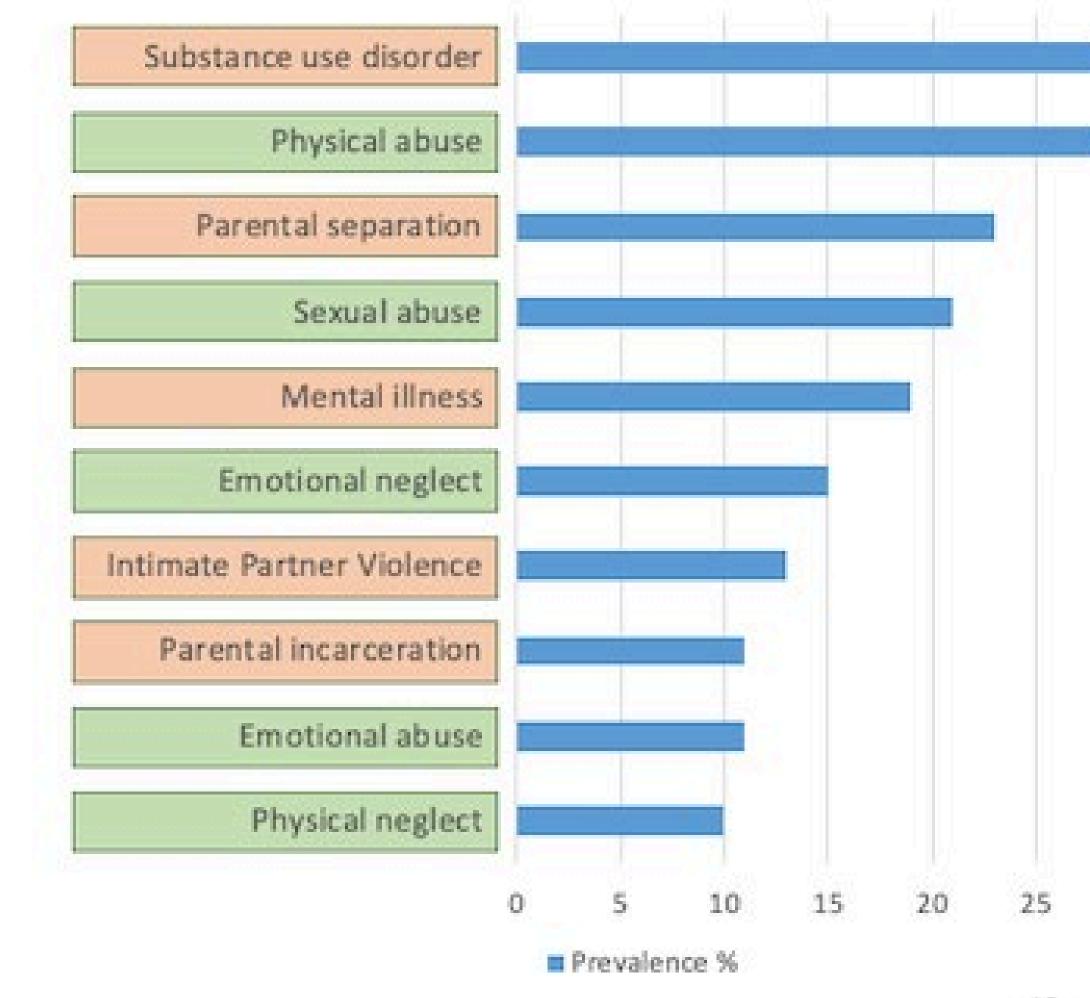
#### % of study respondents reporting # of ACEs



#### Based on the Behavioral Risk Factor Surveillance System

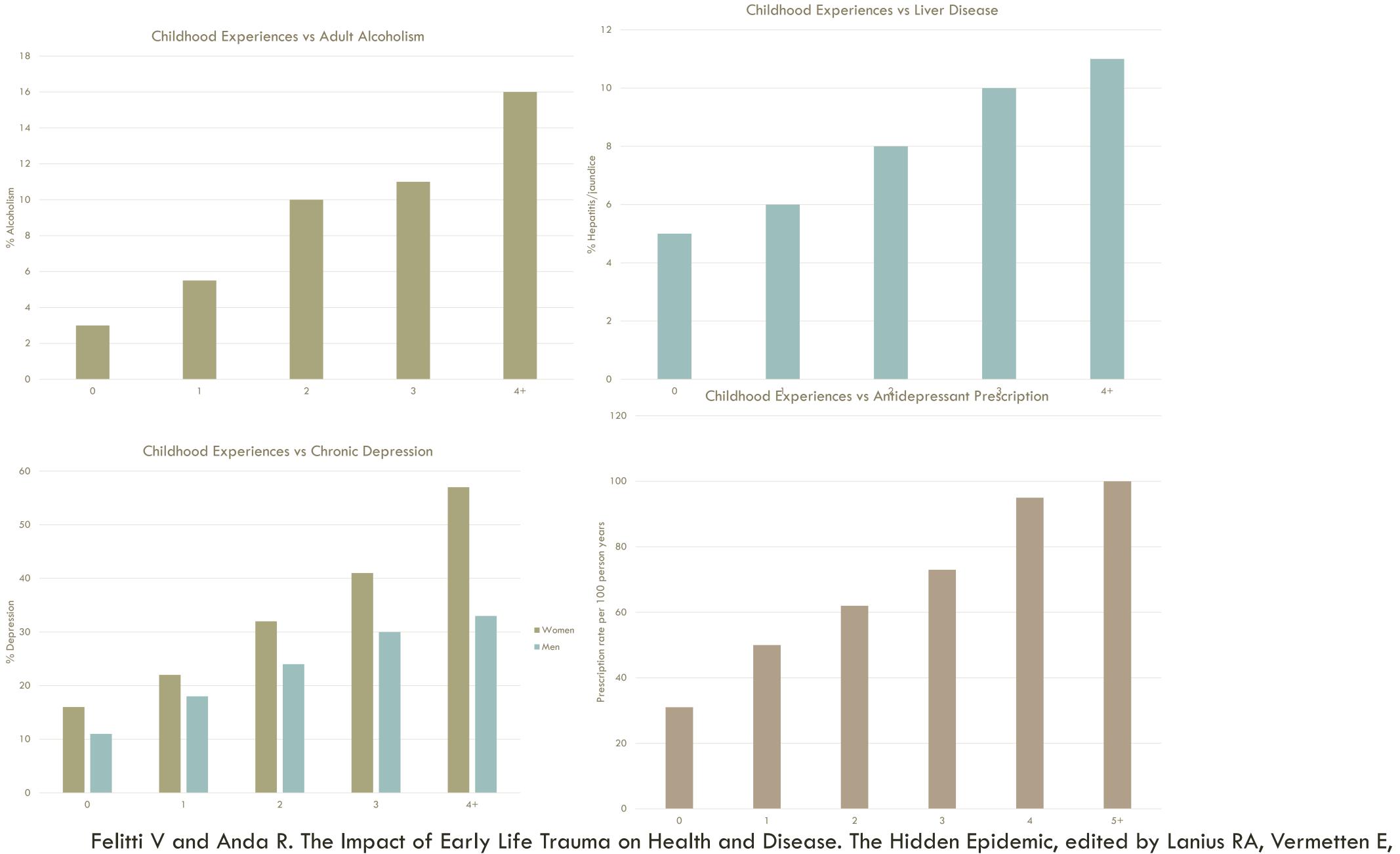
https://www.cdc.gov/violenceprevention/acestudy/ACE\_graphics.html

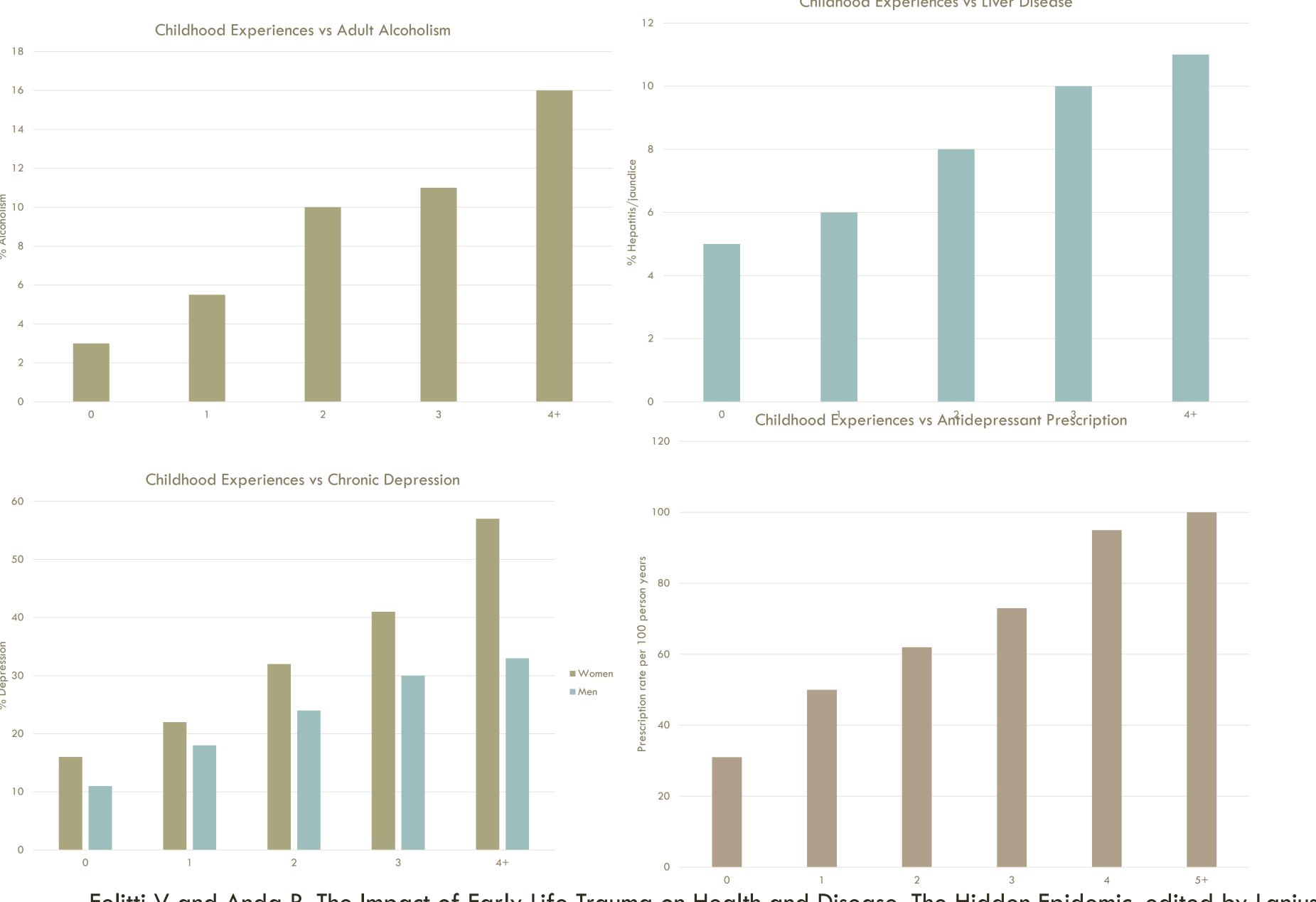
#### Types of ACEs reported



12

18



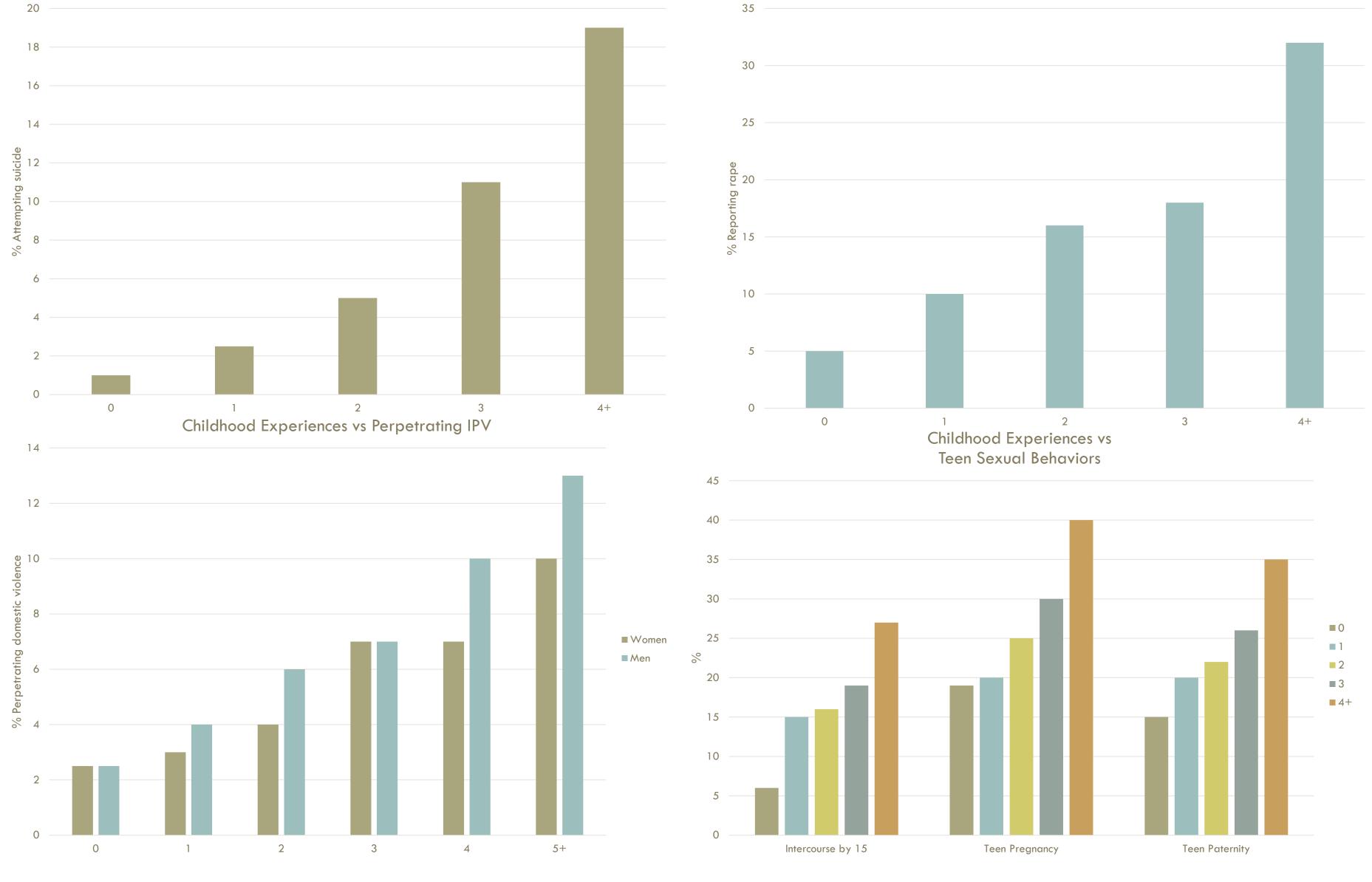


Pain C. Cambridge University Press, 2010

26



#### Childhood Experiences vs Suicide Attempts

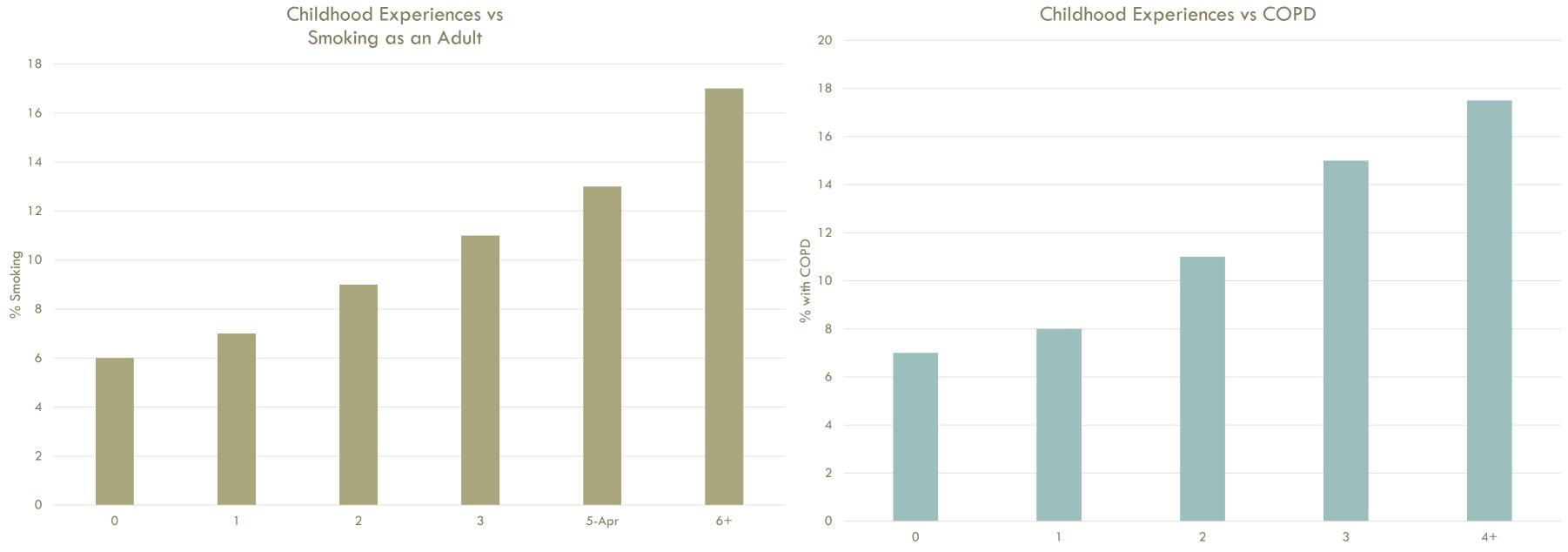


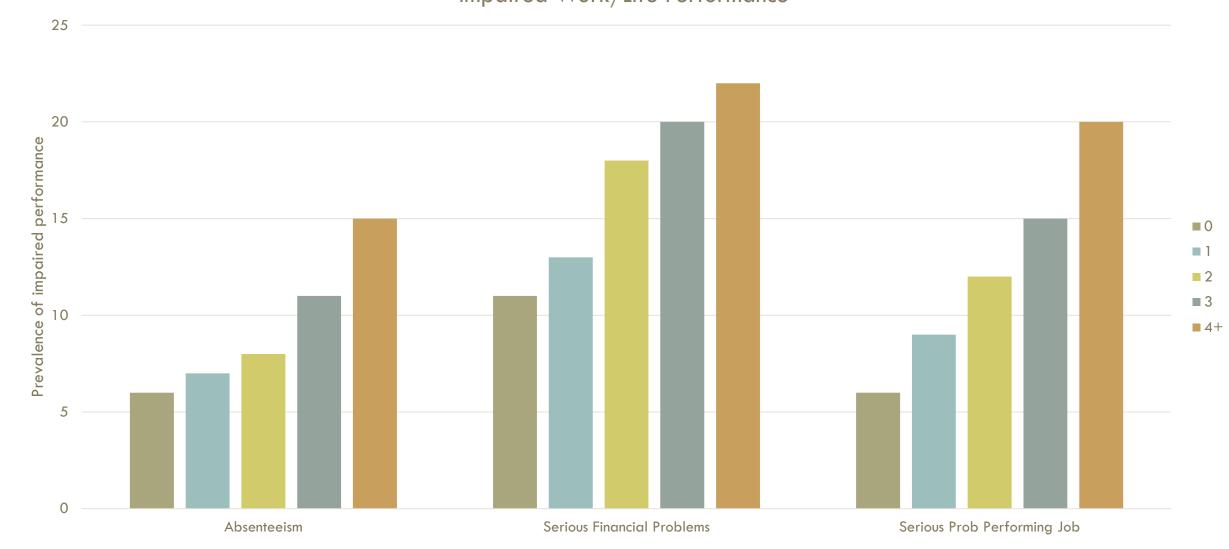
Pain C. Cambridge University Press, 2010

#### Childhood Experiences vs Later Being Raped

Felitti V and Anda R. The Impact of Early Life Trauma on Health and Disease. The Hidden Epidemic, edited by Lanius RA, Vermetten E,







Pain C. Cambridge University Press, 2010

Childhood Experiences vs COPD

Childhood Experiences vs Impaired Work/Life Performance

Felitti V and Anda R. The Impact of Early Life Trauma on Health and Disease. The Hidden Epidemic, edited by Lanius RA, Vermetten E,



BRAIN ARCHITECTURE SUPPORTS LIFELONG LEARNING, BEHAVIOR AND HEALTH

A strong foundation in the early years improves the odds for positive outcomes and a weak foundation increases the odds of later difficulties.





# **ACES AND BRAIN DEVELOPMENT**

A review of studies looking at brain development in children experiencing family maltreatment and others enduring psychologic deprivation in institutional settings

- Global volumetric changes in the brain can be seen in children experiencing maltreatment
- Emotional neglect and physical abuse may be associated with smaller amygdala volumes; PTSD, depression and emotional neglect may be associated with smaller hippocampal volumes
- Volumetric changes in the prefrontal cortex and cerebellum have been associated with maltreatmentrelated PTSD

Bick J and Nelson CA. Neuropsychopharmacology REVIEWS 2016; 41(1): 177–196.



## **Positive Stress**



Short, stressful events like meeting new people or starting the first day of school are healthy for brain development. They prepare the brain and body for stressful situations later in life.



Tragic, unavoidable events like a natural disaster or losing a loved one aren't good for us. But if supportive caregivers are around to buffer the stress response, these events won't do lasting damage to the brain and body.

## **Tolerable Stress**

### **Toxic Stress**



Ongoing, repeated exposure to abuse or neglect is bad for brain development. If no supportive adults are present to help buffer the stress response, stress hormones will damage developing structures in the child's brain. The result is an increased vulnerability to lifelong physical and mental health problems, including addiction.







# Trauma and the brain

The most important job of the brain is to ensure our survival, even under the most miserable conditions.

Bessel van der Kolk, The Body Keeps the Score ain he al,

Orbitofrontal Cortex Social/Emotional Center Open to change throughout lifespan

> Amygdala Fight, Flight or Freeze

> > Hippocampus Short-term memory Cause and effect Cortisol

#### Orbitofrontal Cortex Social/Emotional Center Open to change throughout lifespan

#### Amygdala Fight, Flight or Freeze

#### Hippocampus Short-term memory Cause and effect Cortisol

## Trauma and the brain

• "Neurons that fire together wire together...if you feel safe and loved your brain becomes 'wired' for play and exploration; if you are frightened, unwanted, you become 'wired' to manage feelings of fear and abandonment."

 Bessel van der Kolk, The Body Keeps the Score

# rauma:

Dissociation

## Self-regulation of behaviors and emotions

## High levels of distress, anxiety, sometimes panic

## Confusion, disorientation, loss of control

## Intrusive thoughts, hyper-arousal, avoidance

## Re-experiencing traumatic events (triggers)

# IMPACT OF TRAUMA: PHYSICAL HEALTH

- Chronic health conditions (diabetes, high BP, asthma)
- •Headaches
- •Chronic pain
- •Gynecological difficulties
- •Gastrointestinal (GI) problems
- •Cancer
- Musculoskeletal difficulties
- •Autoimmune disorders



## IMPACT OF TRAUMA: MENTAL HEALTH

Depression Anxiety Suicide Somatization Eating disorders Borderline personality disorder Post-traumatic stress disorder



## IMPACT OF TRAUMA: SOCIAL

Difficulty trusting others, lack of empathy

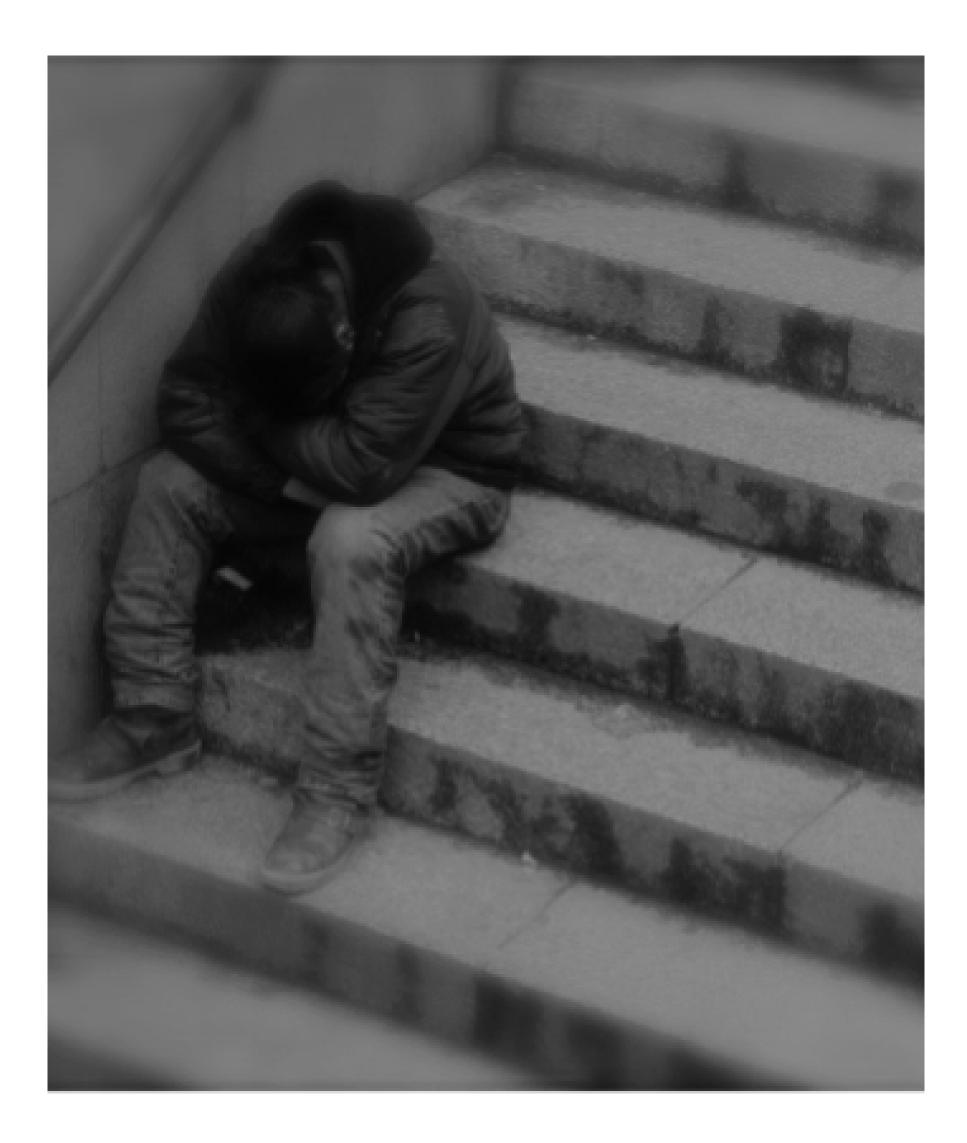
- Social isolation and/or overattachment
- Boundary issues

Unable to comfortably rest in the arms of another

Unstable relationships

## IMPACT OF TRAUMA: SHATTERED SPIRIT AND BELIEF SYSTEMS

- •The world is unsafe
- •Other people are unsafe and cannot be trusted
- •God has abandoned me
- •My own thoughts and feelings are unsafe
- I'm unworthy
- I'm not capable



## TODAY'S YOUTH AND ACES



been reported by parents. Did not included important violence-related ACEs, including physical, sexual, and emotional abuse

NEW DATA: CHILD **REPORTED ACES** 

Until now....WHEN WE ASKED

Data on ACEs among adolescents has formerly



## Youth Risk **Behavior Survey** 2023

#### Started 1990 by the CDC

- . Measures health-related behaviors and experiences that can lead to death and disability among youth and adults.
- . The YRBS has collected data from approximately 5 million high school students since its inception.
- . The 2023 YRBS included questions about ACEs including transgender identity, racism in school, unfair discipline, and social media use.





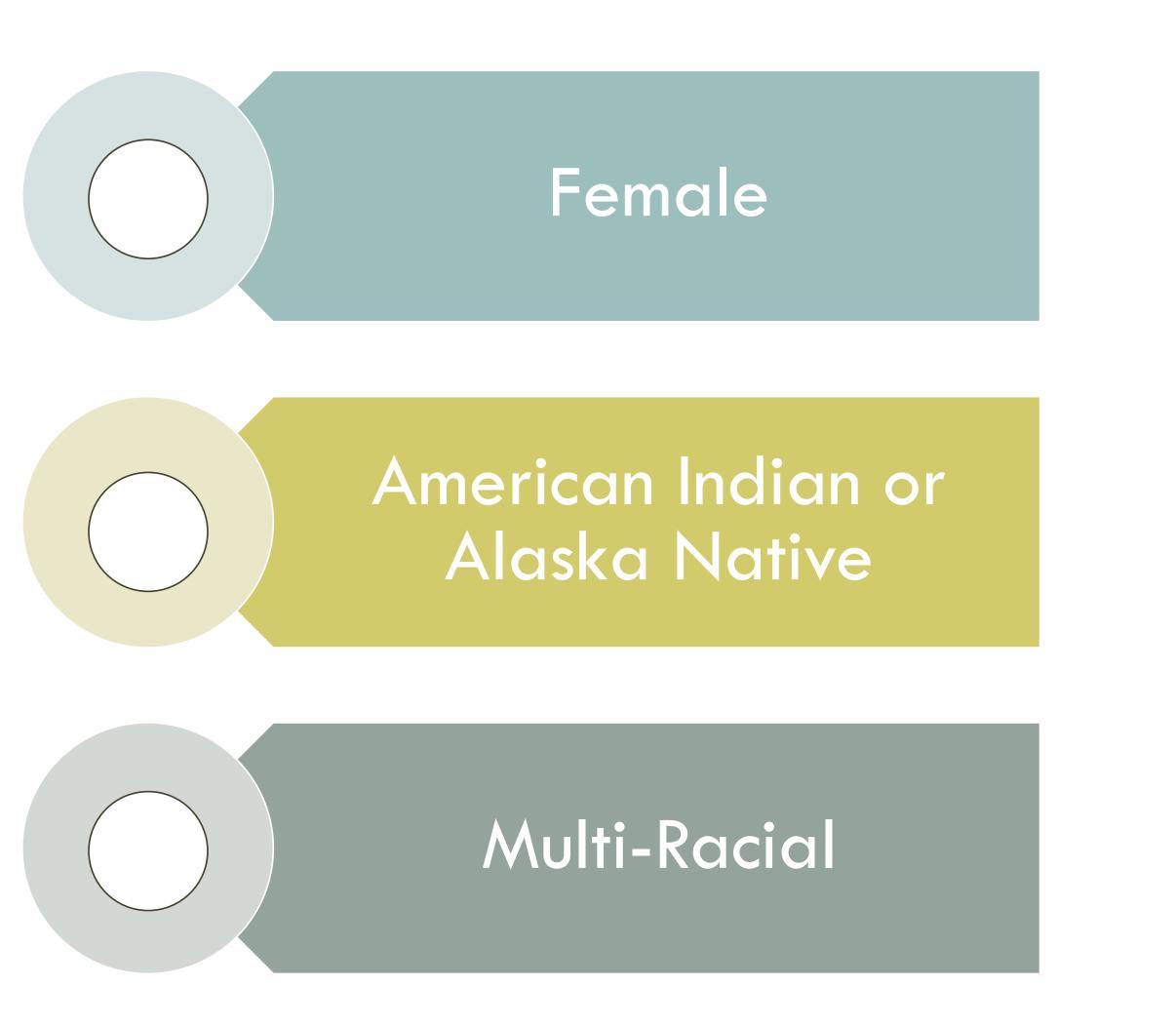
## Youth Risk **Behavior Survey** 2023

Assessed YRBS responses to code ACEs (one, two, three, four, or more) and there **correlation** with:

- Violence risk factors
- Substance use
- Sexual behaviors
- Weight and weight perceptions
- Mental health
- Suicidal thoughts and behaviors



Certain demographics had more ACEs than others.



Gay/Lesbian/Bi-Sexual or Questioning

These fractions showed high prevalence of the following health conditions and risk behaviors:

#### Suicide Attempts (89.4%)

#### Seriously Considering Attempting Suicide (85.4%)

Prescription Opioid Misuse (84.3%)



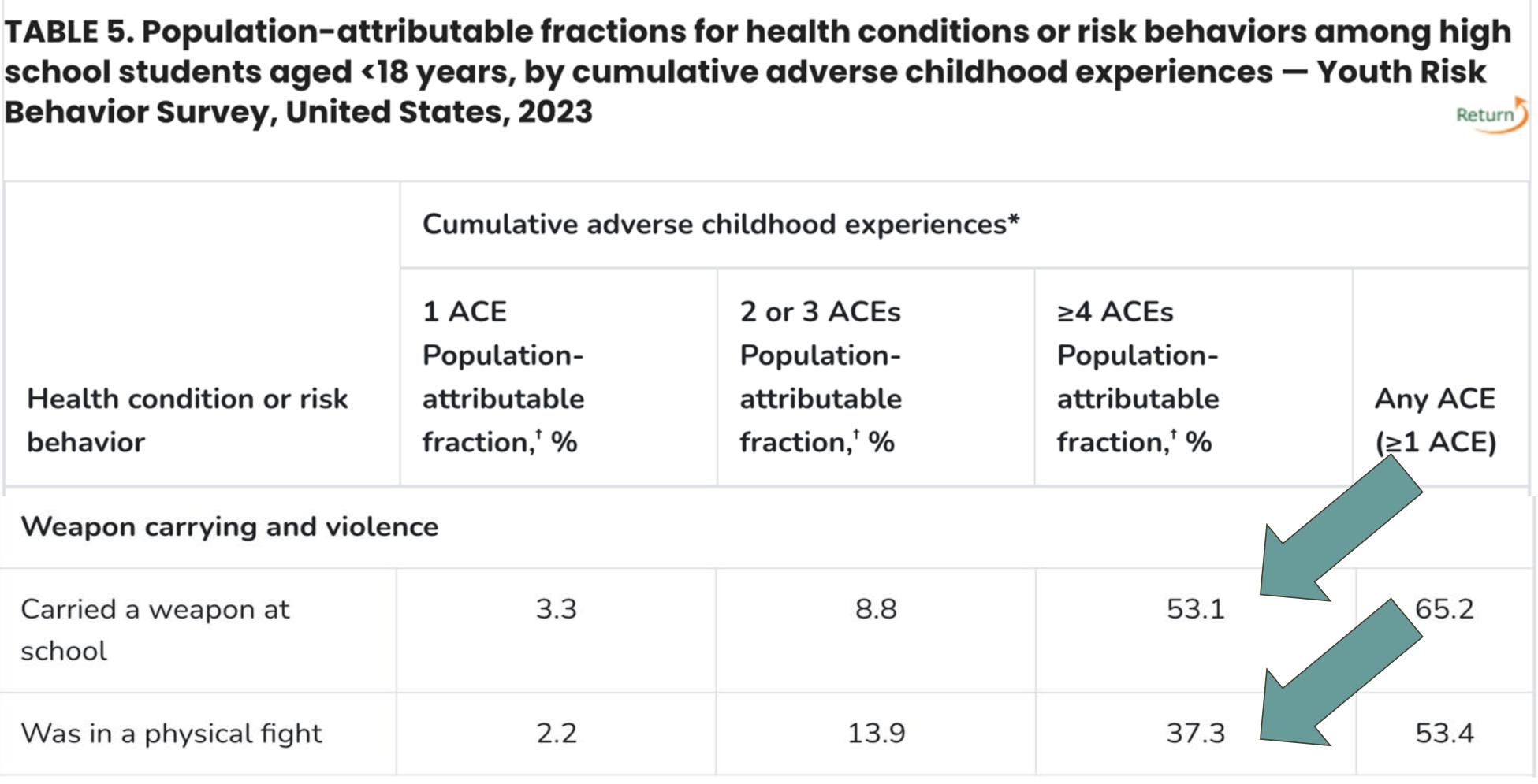
## Behavior Survey, United States, 2023

	Cumulative adverse c	rse ch	
Health condition or risk behavior	1 ACE Population- attributable fraction, <sup>†</sup> %		

Weapon carrying and violence

Carried a weapon at school	3.3
Was in a physical fight	2.2

Dose-response relation: As the number of reported ACEs goes up, so does the presence of health conditions and high risk behaviors.



## TABLE 5. Population-attributable fractions for health conditions or risk behaviors among high school students aged <18 years, by cumulative adverse childhood experiences — Youth Risk Behavior Survey, United States, 2023

	Cumulative adverse childhood expe		
Health condition or risk behavior	1 ACE Population- attributable fraction, <sup>†</sup> %	2 or 3 ACEs Population- attributable fraction, <sup>†</sup> %	
Substance use			
Current electronic vapor product use	3.1	13.5	

product use		
Current alcohol use	2.9	12.4
Current binge drinking	3.6	11.9
Current prescription opioid misuse	2.7	10.6



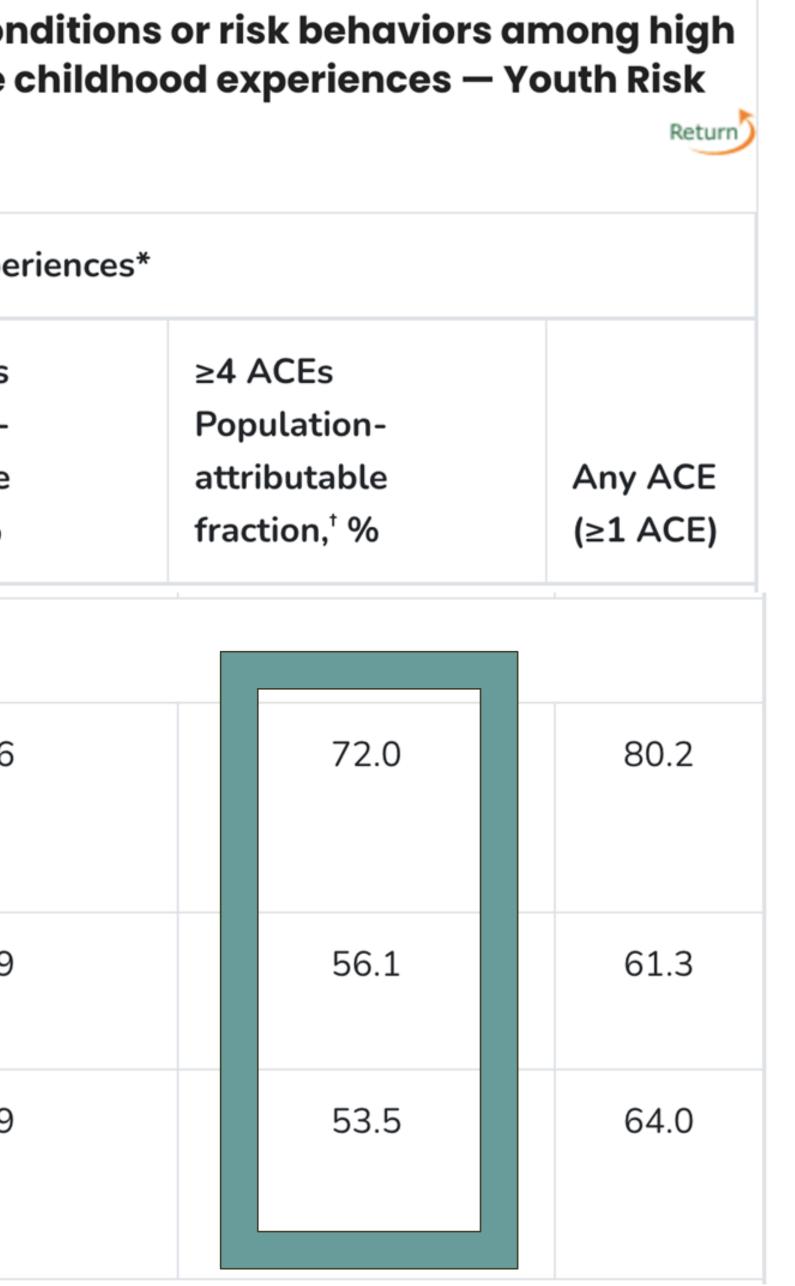
Those with more ACEs were more likely to use substances



#### TABLE 5. Population-attributable fractions for health conditions or risk behaviors among high school students aged <18 years, by cumulative adverse childhood experiences — Youth Risk Behavior Survey, United States, 2023

	Cumulative adverse childhood exp	
Health condition or risk behavior	1 ACE Population- attributable fraction, <sup>†</sup> %	2 or 3 ACEs Population- attributable fraction, <sup>†</sup> %

Sexual behavior		
Alcohol or drug use before last sexual intercourse	2.6	5.6
Currently sexually active with multiple persons	1.3	3.9
Did not use a condom during last sexual intercourse	1.6	8.9



High risk sexual behavior especially using substances in conjunction was significant.



#### TABLE 5. Population-attributable fractions for health conditions or risk behaviors among high school students aged <18 years, by cumulative adverse childhood experiences — Youth Risk Behavior Survey, United States, 2023

Cumulative adverse childhood expe			
1 ACE Population- attributable fraction, <sup>†</sup> %		2 or 3 ACEs Population- attributable fraction, <sup>†</sup> %	
ior			
	6.1	17.7	
	4.2	16.1	
	1.1	10.6	
	1 A Pop attr	1 ACE Population- attributable fraction, <sup>†</sup> %	



As mentioned earlier, mental health and suicide were identified as the most notable health conditions associated with higher numbers of ACEs



YOU

WE ALL WIN!

UNDERSTANDING ACES MOVES US FROM WHAT'S WRONG WITH YOU

TO WHAT HAPPENED TO YOU?

BREAKS STIGMA ACTIVATS COMPASSION IMPROVES HEALTH OUTCOMES

## **6 PRINCIPLES OF TRAUMA-INFORMED CARE**

#### Safety

#### Trustworthiness and transparency

#### Collaboration and mutuality

#### Peer support

#### Empowerment, voice, and choice

#### Cultural, historical, and gender issues

https://www.samhsa.gov/nctic/trauma-interventions





## WHEN WE CHANGE THE WAY WE LOOK AT THINGS THE THINGS WE LOOK AT CHANGE

## **Positive Childhood Experiences**

felt able to talk to their family about feelings felt their family stood by them during difficult times

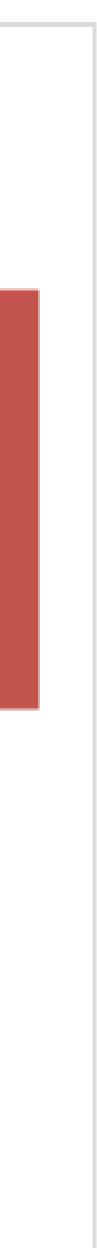
felt supported by friends

had at least 2 nonparent adults who took genuine interest in them

enjoyed participating in community traditions

### felt a sense of belonging in high school

felt safe and protected by an adult in their home.



# THE VALUE OF A POSITIVE RELATIONSHIP WITH AN ADULT



Every kid is one caring adult away from being a success story.

> Josh Shipp Motivational Speaker



## Italian Security Camera's

#### FIRST AND FOREMOST, YOU ARE A **COMMUNITY MEMBER**







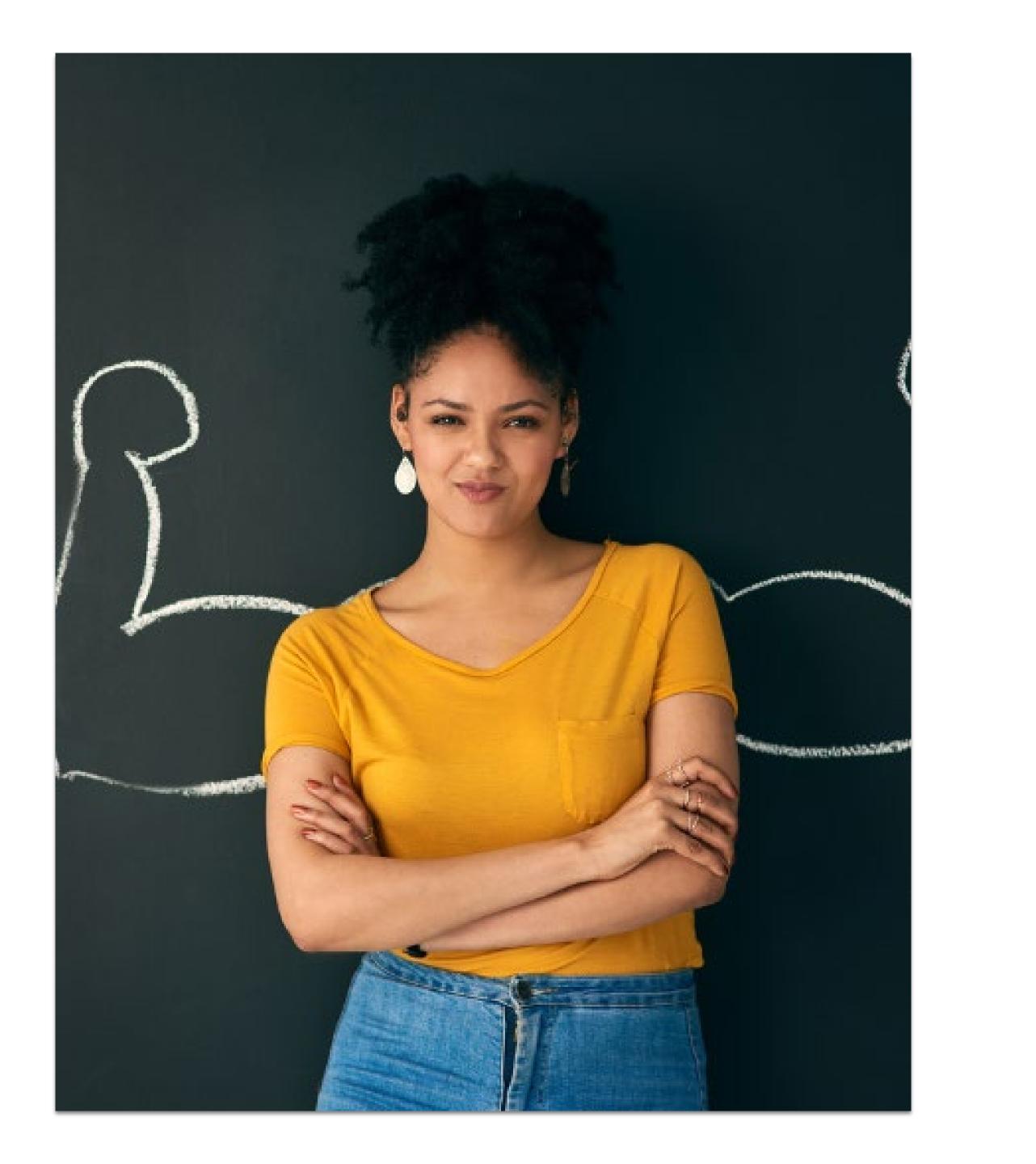






## GOING TO TAKE SOME GRIT To get us through!

## G GRATITUDE R RESILIENCE I INTEREST T TRUTH



## **3 GRATITUDE'S A** DAY FOR 21 DAYS

GRATITUDE IS A CHOICE!

TRY IT! Tag Me: Kymmie/ hugsinc



## ATTITUDE OF GRATITUDE

Research shows that cultivating gratitude has a plethora of benefits, including:

- Reducing stress and anxiety
- Boosting mood
- Strengthening your immune system
- Improving sleep

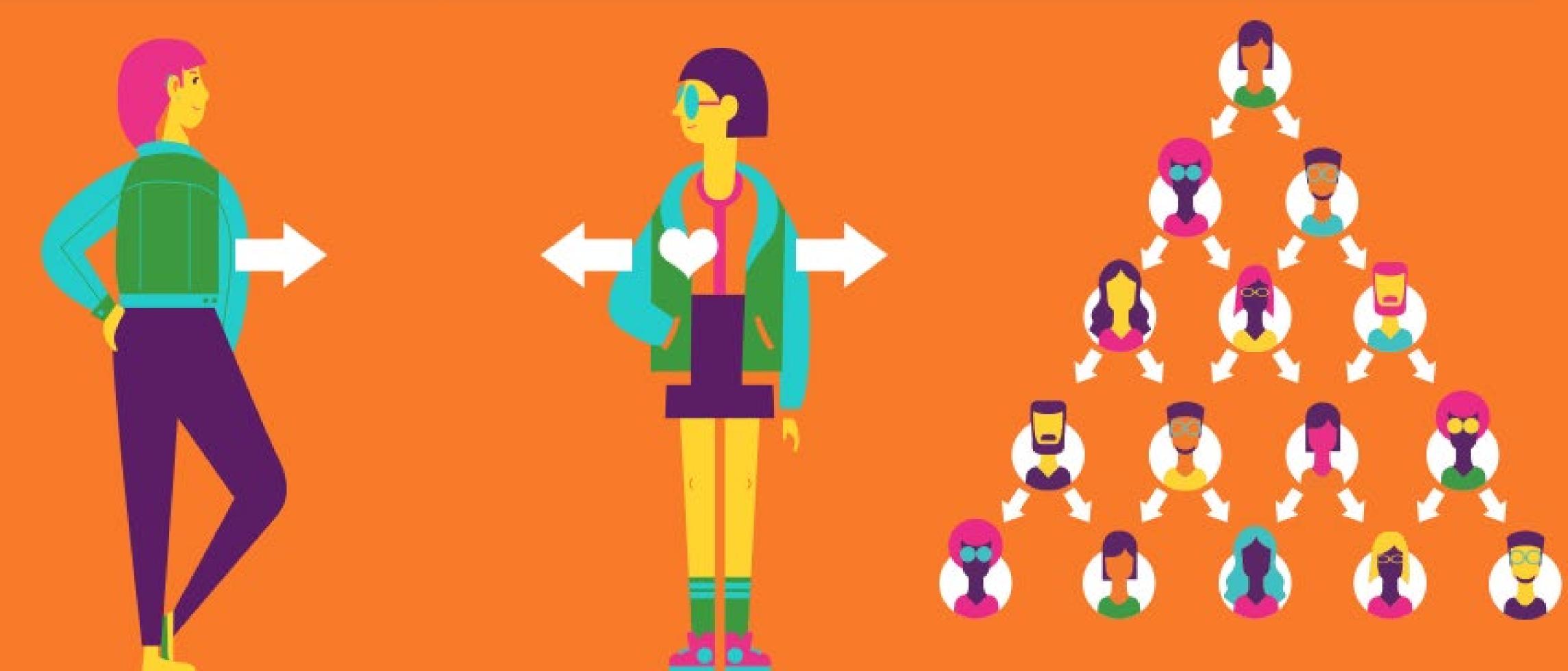




## Gratitude is Social. It Pays Itself Forward.

#### YOU GIVE THANKS. AND FEEL GRATITUDE.

#### THEY RECEIVE IT. AND GIVE IT, TOO.



#### IT SPREADS. AND SO DOES GRATITUDE.









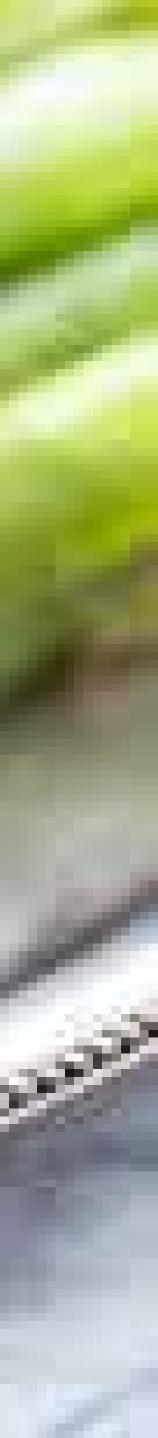
# BAD.

## JORDAN NEVER FELT

## JUST WANTED IT RENAMED







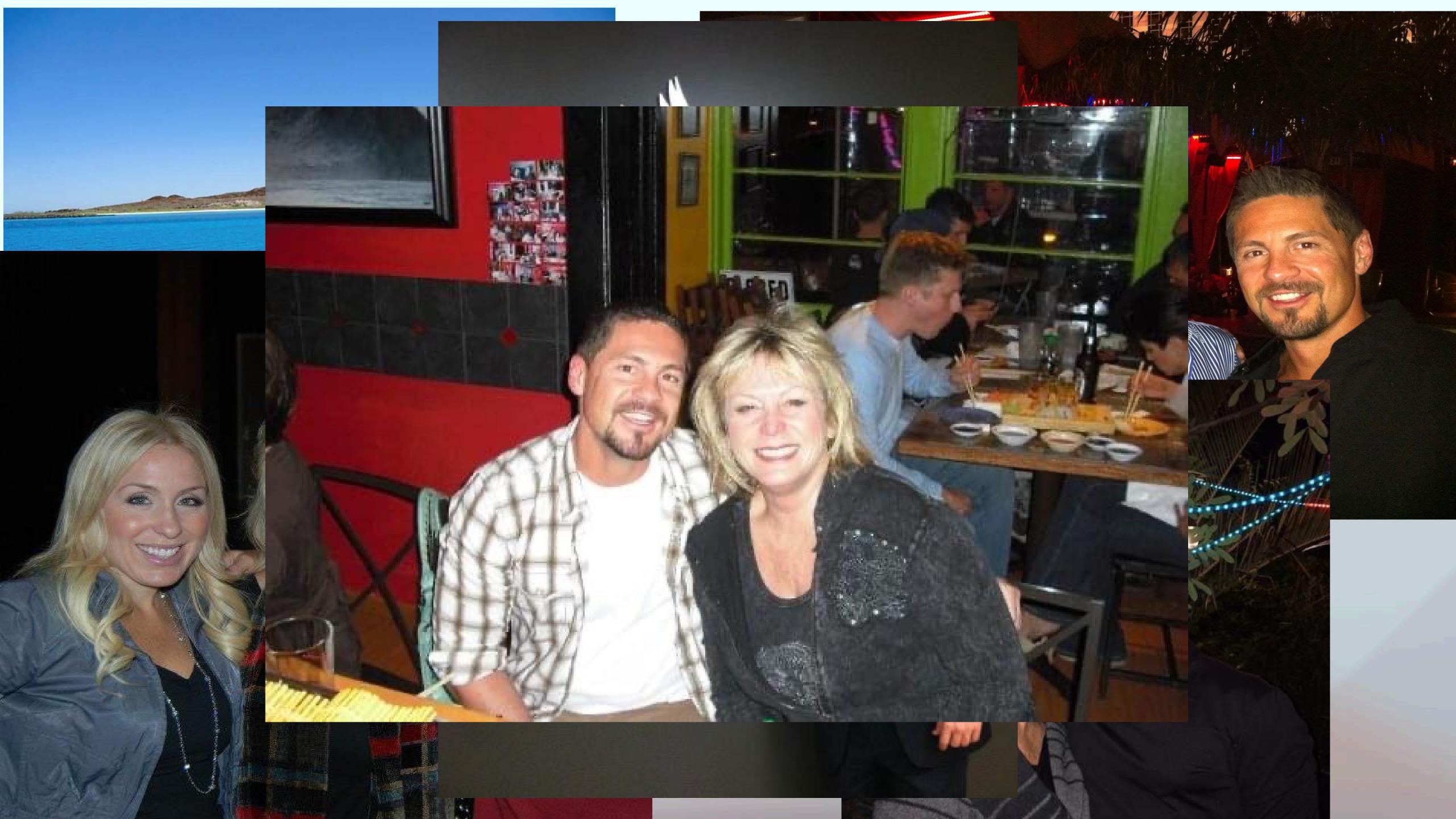


## SOMETIMES WE CAN GET SO FOCUSED ON THE ENVIRONMENT WE MISS THE PERSONAL TOLL AND THE FACE OF WHO WE ARE WORKING FOR, AND THE NEGATIVE PERCEPTION OF SUD.



## ME, ANDERSON, AND THE FOOTBALL TEAM





BUCKET LIST







### AN DIEGO ARD



USEG

0045

#### WHO ARE THE 5 ON YOUR BOAT?

COULD YOU CALL THEM WHEN YOU ARE HURTING?

WILL YOUS



# WHO SHOULD BE IN YOUR BOAT?

- 1. COVENANT: Ride or Die PLAYS
- 2. SPIRITUAL: They will pray for you you can go to for advice PRAYS
- 3. CONFIDANTE: Shares your wins without jealousy PRAISE
- 4. HOSPITABLE: Cares about your wellbeing and emotional PUSHES health

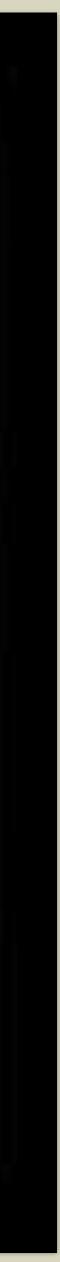
5. DAY 1: Has your back- Will back you up in a room when you are not there **PROTECTS** 











Where did you find that? I've been searching for it everywhere.







## CONNECTION

**KYM LAUBE** 631 793-2854 kym@hugsinc.org





## Facebook Instagram