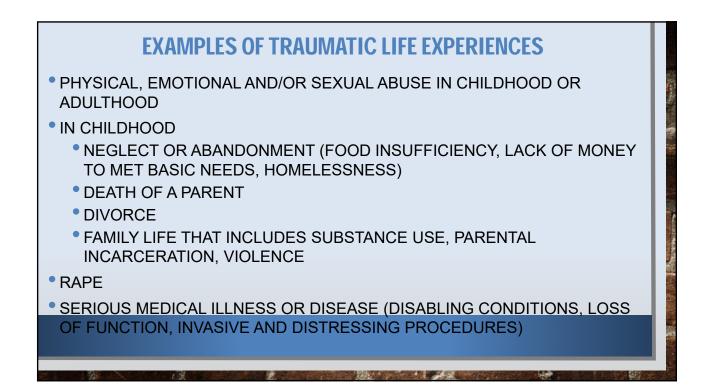
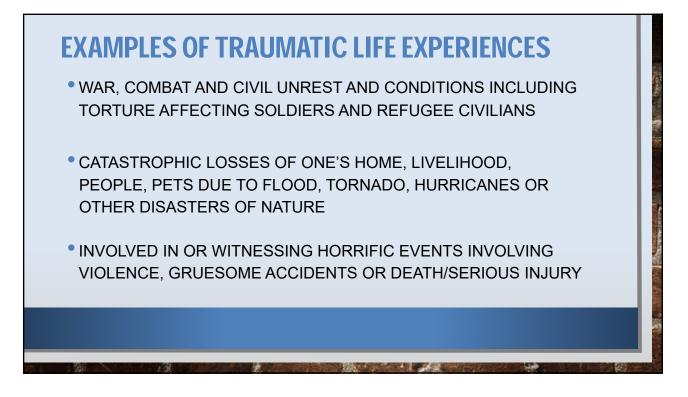
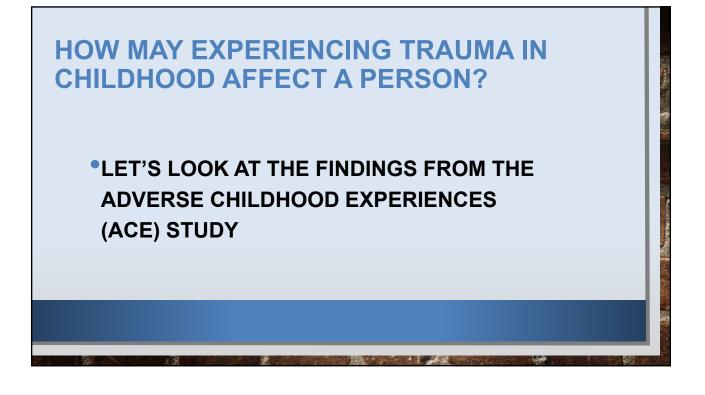


- TRAUMA REFERS TO INTENSE AND OVERWHELMING EXPERIENCES THAT INVOLVE SERIOUS LOSS, THREAT OR HARM TO A PERSON'S PHYSICAL AND/OR EMOTIONAL WELL BEING.
- TRAUMA MAY OCCUR AT ANY TIME IN A PERSON'S LIFE. IT MAY INVOLVE A SINGLE TRAUMATIC EVENT OR MAY BE REPEATED OVER MANY YEARS.
- THESE TRAUMATIC EXPERIENCES OFTEN OVERWHELM THE PERSONS COPING RESOURCES. THIS OFTEN LEADS THE PERSON TO FIND A WAY OF COPING THAT MAY WORK IN THE SHORT RUN BUT MAY CAUSE SERIOUS HARM IN THE LONG RUN.







ACE Study slides are from:

- Robert F. Anda MD at the Center for Disease Control and Prevention (CDC)
- September 2003 Presentation by Vincent Felitti MD "Snowbird Conference" of the Child Trauma Treatment Network of the Intermountain West
- "The Relationship of Adverse Childhood Experiences to Adult Medical Disease, Psychiatric Disorders, and Sexual Behavior: Implications for Healthcare" Book Chapter for "The Hidden Epidemic: The Impact of Early Life Trauma on Health and Disease" Lanius & Vermetten, Ed.



What is the Adverse Childhood Experiences (ACE) Study?

- Decade long. 17,000 people involved.
- Looked at effects of adverse childhood experiences over the lifespan.
- Largest study ever done on this subject.

ACE Study Findings





Childhood experiences are **powerful** determinants of who we become as adults

08/30/18 Florida Alcohol and Drug Abuse Association

Adverse Childhood Experience* Categories	Impact of Trauma and Health Risk Behaviors to Ease the Pain	Long-Term Consequences of Unaddressed Trauma (ACEs
Abuse of Child	Neurobiologic Effects of Trauma	Disease and Disability
 Recurrent Severe Emotional abuse 	 Disrupted neuro-development 	 Ischemic heart disease
 Recurrent Physical abuse 	 Difficulty controlling anger-rage 	Cancer
 Contact Sexual abuse 	 Hallucinations 	Chronic lung disease
	 Depression 	Chronic emphysema
Trauma in Child's Household	 Panic reactions 	 Asthma
Environment	 Anxiety 	 Liver disease
 Substance abuse 	 Multiple (6+) somatic problems 	 Skeletal fractures
 Parental separation or divorce - 	 Sleep problems 	Poor self rated health
 Chronically depressed, emotionally 	 Impaired memory 	 Sexually transmitted disease
disturbed or suicidal household	 Flashbacks 	HIV/AIDS
member	 Dissociation 	Serious Social Problems
 Mother treated violently 	Health Risk Behaviors	 Homelessness
 Imprisoned household member 	Smoking	Prostitution
 Loss of parent – (by death, 	 Severe obesity 	Delinquency, violence, criminal
by suicide, - or by	Physical inactivity	behavior
abandonment)	 Suicide attempts 	Inability to sustain employment
Neglect of Child	Alcoholism	Re-victimization: rape, DV
Abandonment	 Drug abuse 	compromised ability to parent
	■ 50+ sex partners	Intergenerational transmission of
 Child's basic physical and/or emotional needs unmet 	 Repetition of original trauma 	abuse
emotional needs unmet	 Self Injury 	 Long-term use of health,
* Above types of ACEs are the "heavy end" of	 Eating disorders 	behavioral health, correctional,
abuse.	 Perpetrate interpersonal violence 	and social services

Adverse Childhood Experiences are Common

Of the 17,000 HMO Members:

- 1 in 4 exposed to 2 categories of ACEs
- 1 in 16 was exposed to 4 categories.
- 22% were sexually abused as children.
- 66% of the women experienced abuse, violence or family strife in childhood.

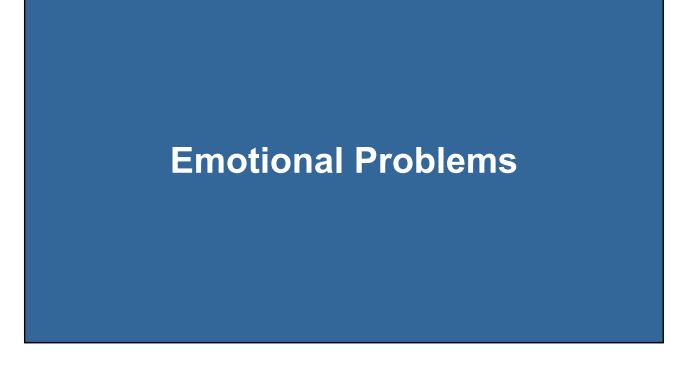
The higher the ACE Score, the greater the likelihood of :

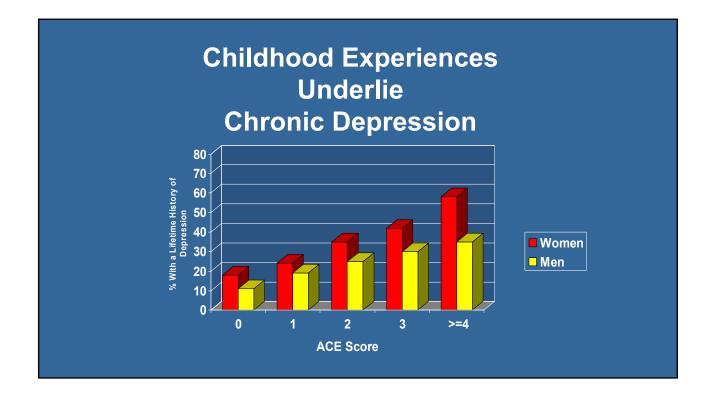
- Severe and persistent emotional problems
- Health risk behaviors
- Serious social problems
- Adult disease and disability
- High health and mental health care costs
- Poor life expectancy

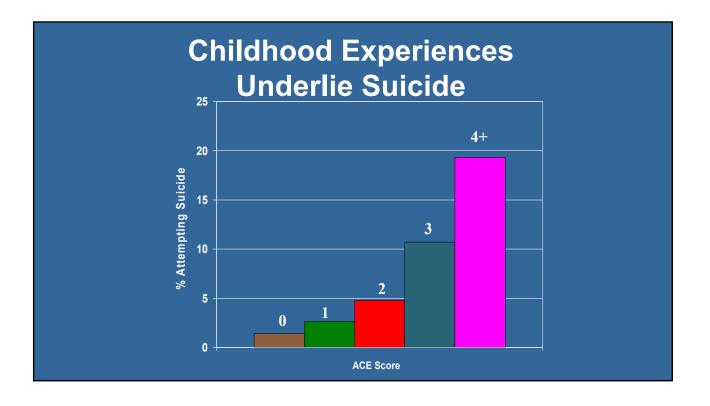
For Example:

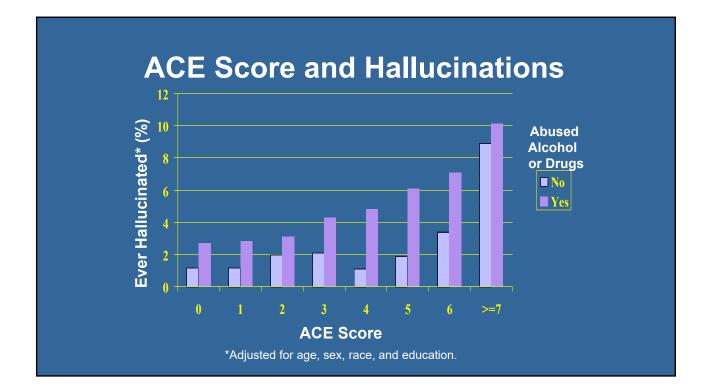
The following information and slides are from September 2003 Presentation at "Snowbird Conference" of the Child Trauma Treatment Network of the Intermountain West, by Vincent J. Felitti, MD. And from Lanius/Vermetten Book Chapter 6/2007

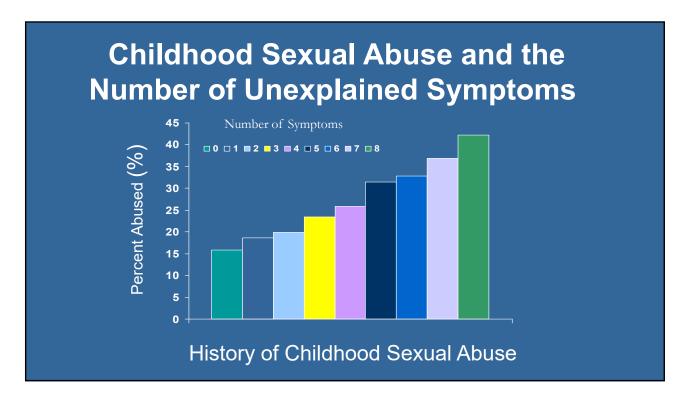


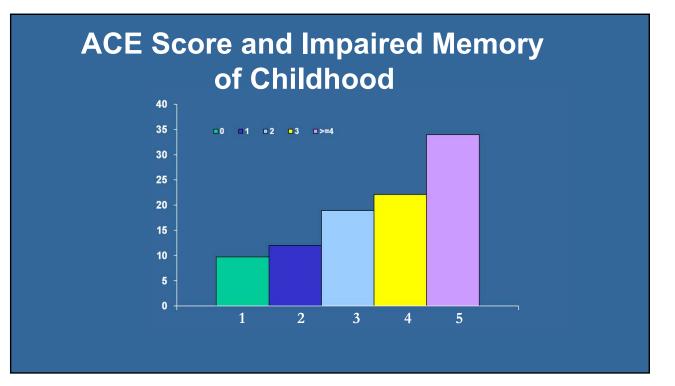




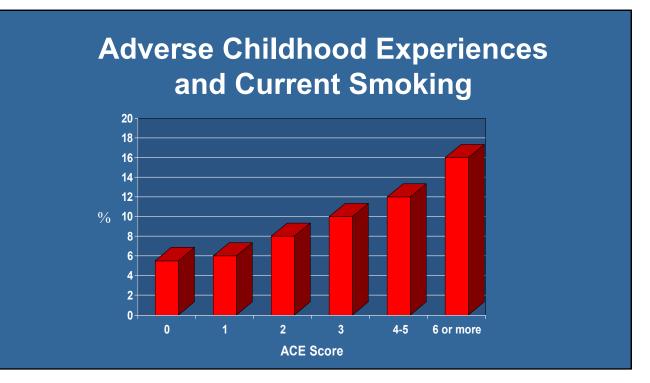




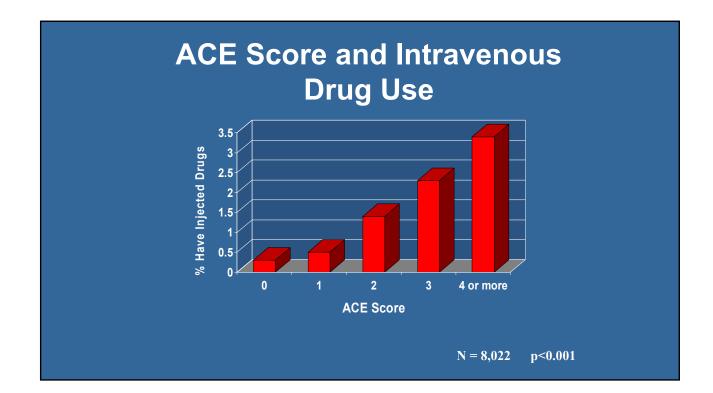






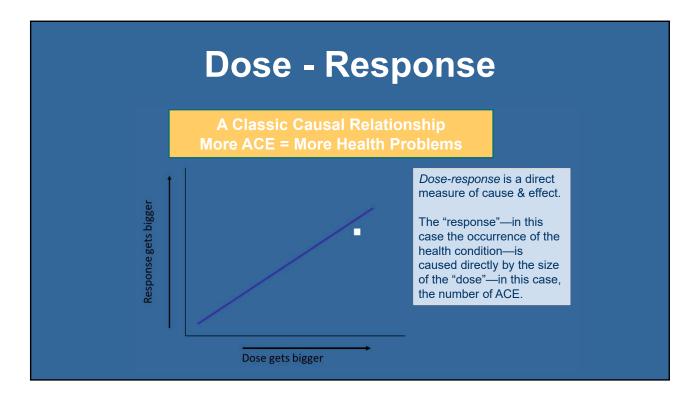


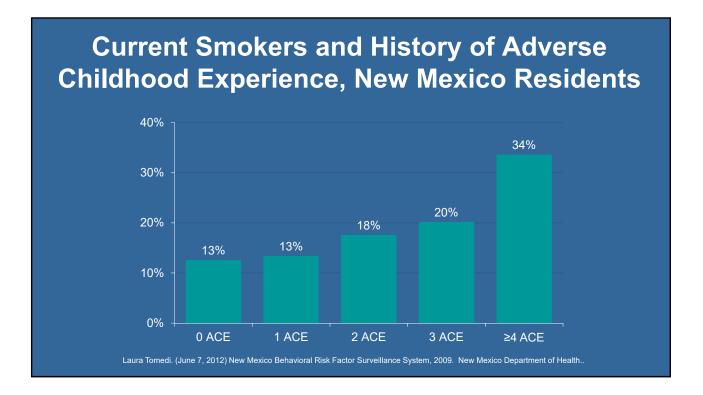


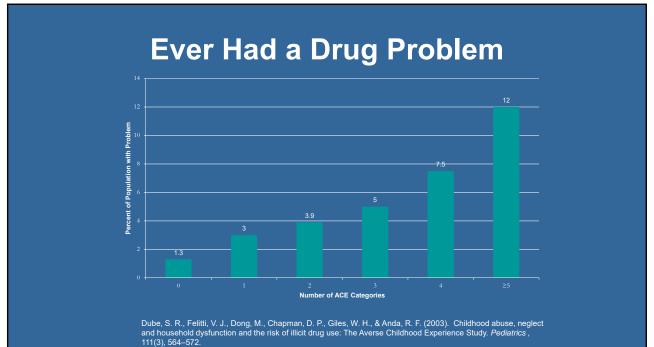


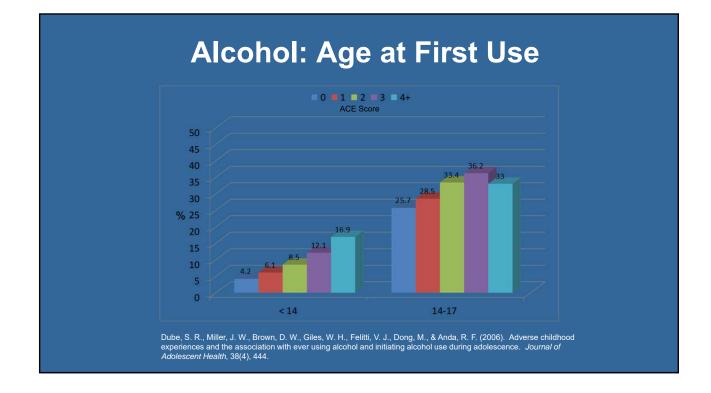
 Basic cause of substance misuse is experiencedependent, not substancedependent

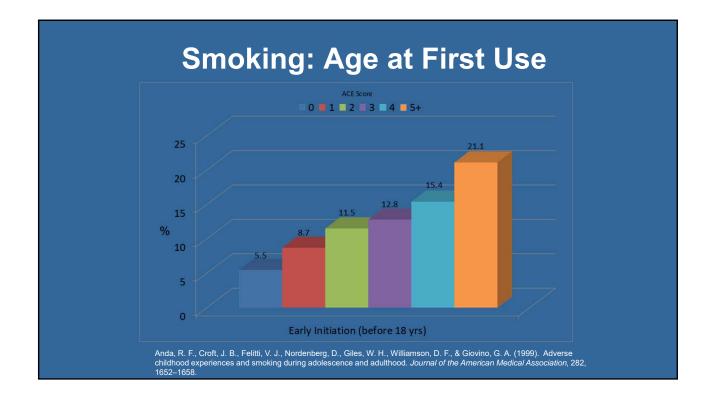
 Significant implications for medical practice and treatment programs

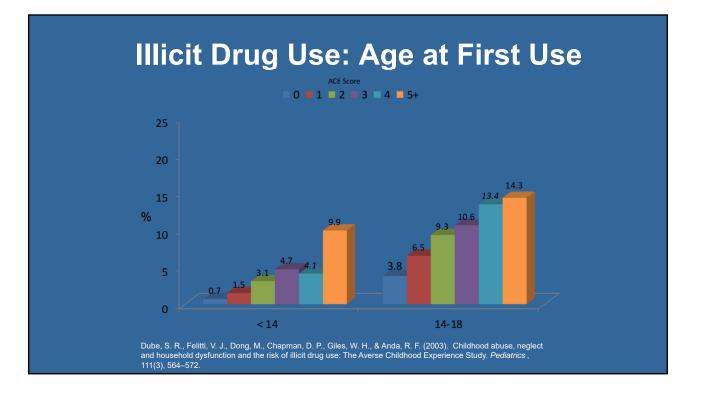


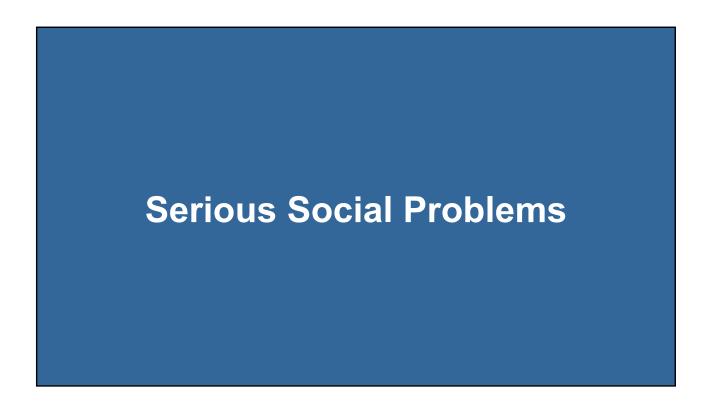


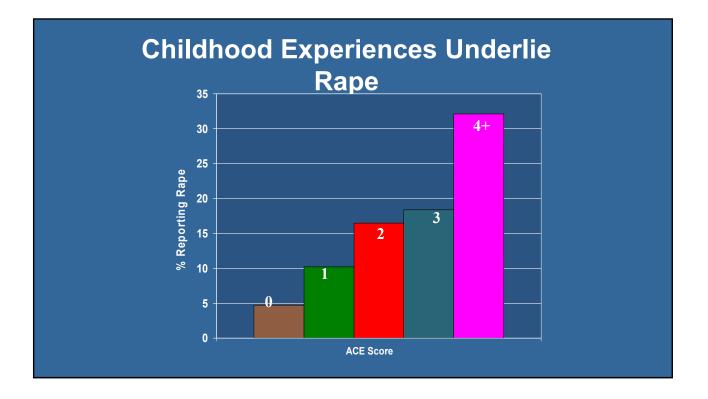


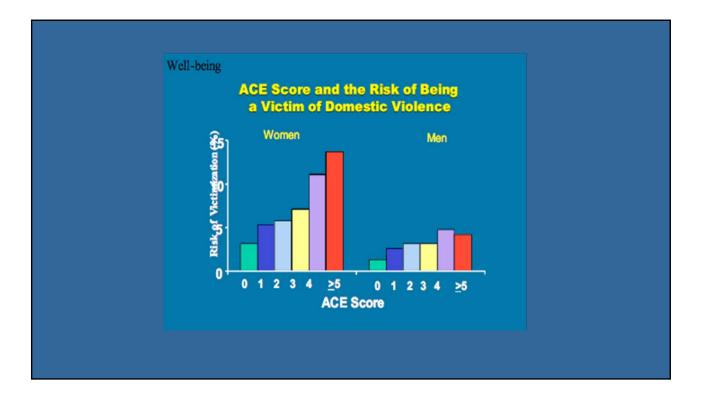


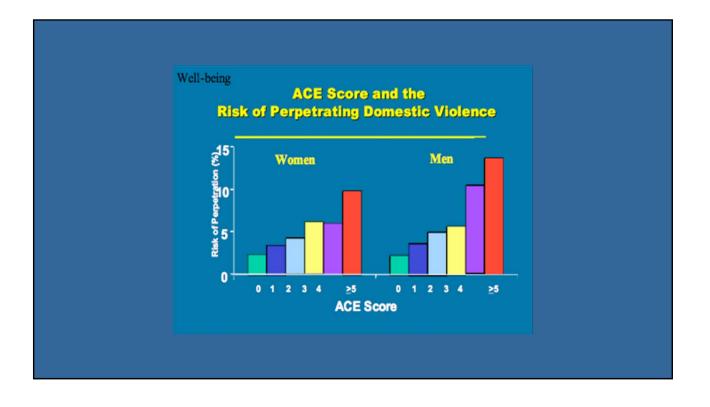




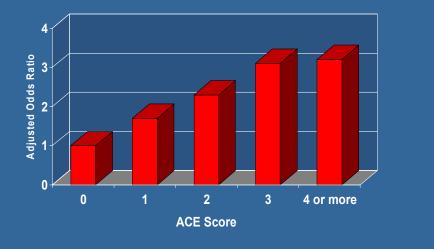


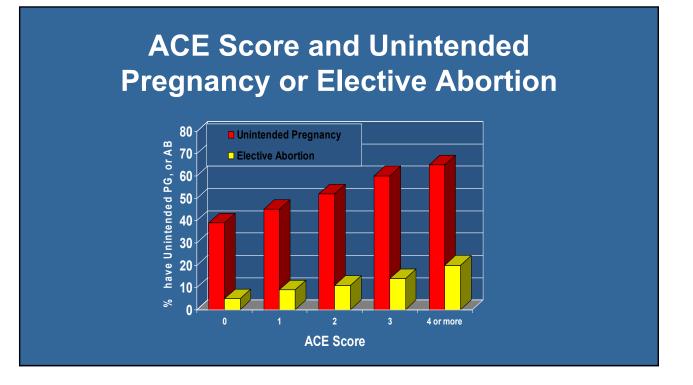






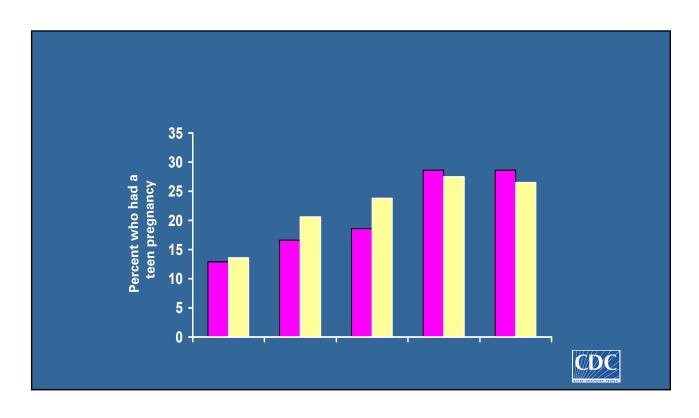
Adverse Childhood Experiences and Likelihood of > 50 Sexual Partners

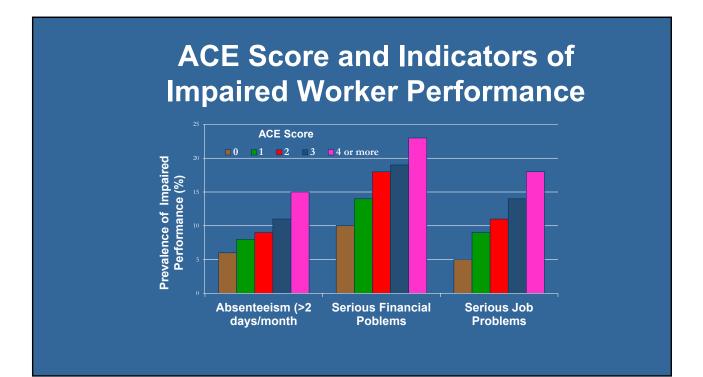




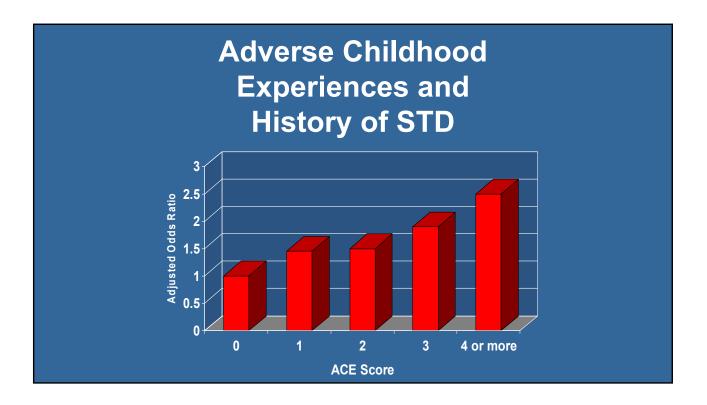
Sexual Abuse of Male Children and Their Likelihood of Impregnating a Teenage Girl



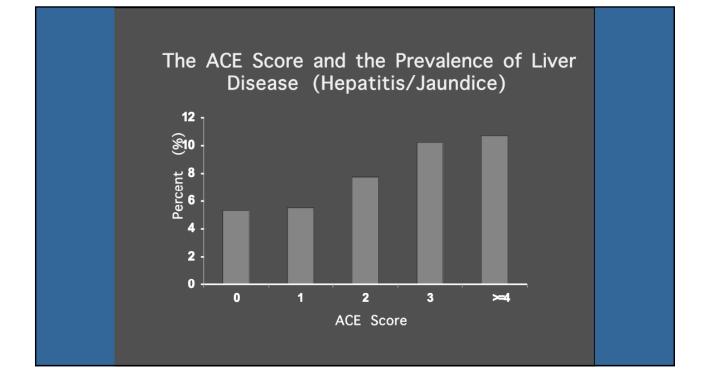




Adult Disease and Disability

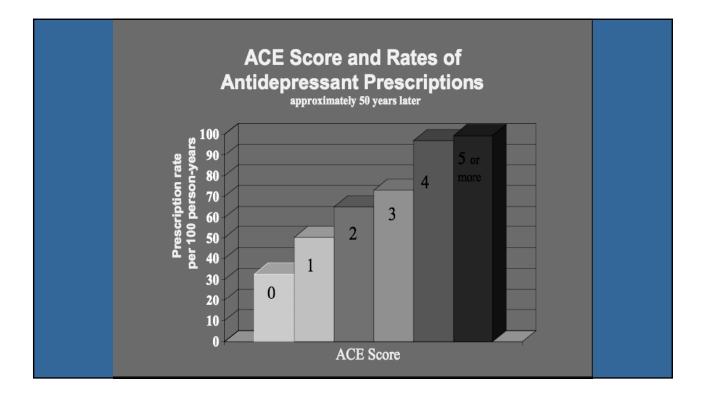


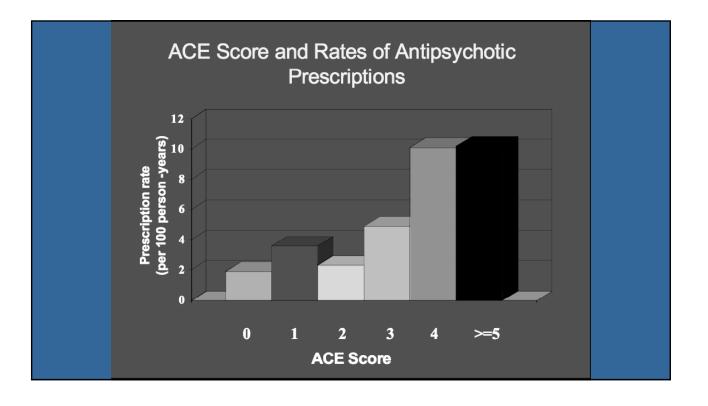




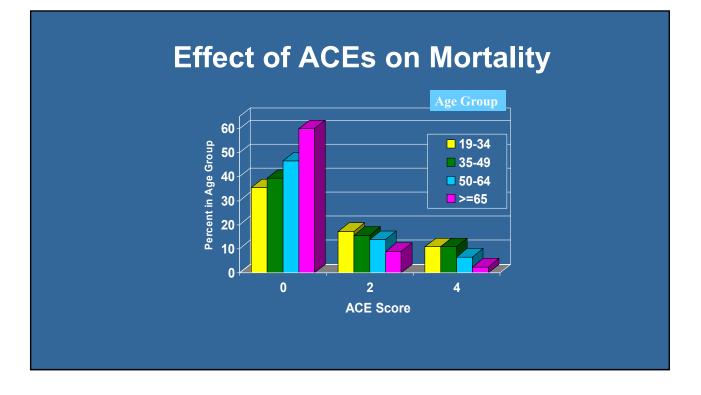
ACEs Increase Likelihood of Heart Disease* **Emotional abuse** 1.7x Physical abuse 1.5x Sexual abuse 1.4x • **Domestic violence** 1.4x Mental illness **1.4**x Substance abuse 1.3x Household criminal 1.7x **Emotional neglect** 1.3x **Physical neglect** 1.4x

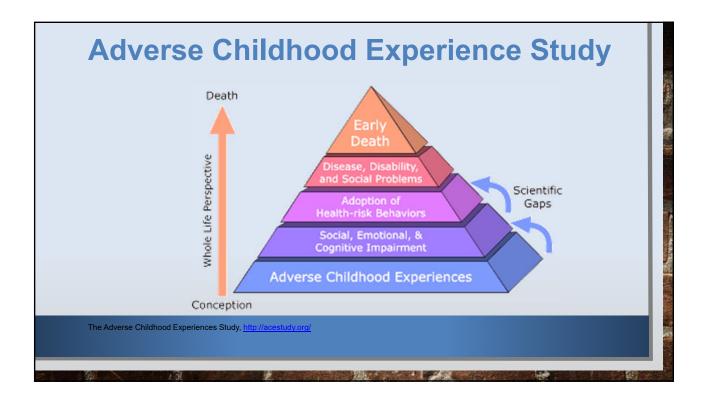
High Health and Mental Health Care Costs

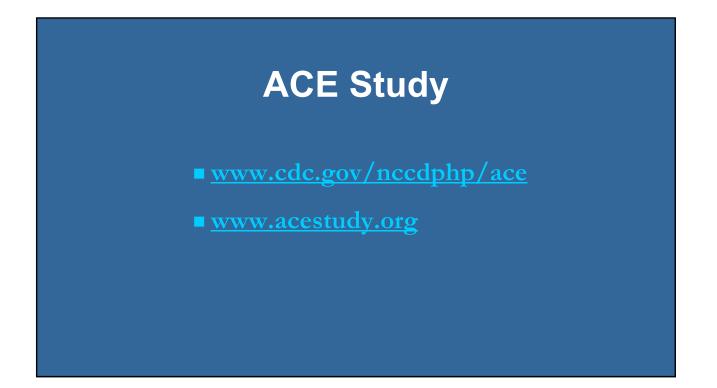




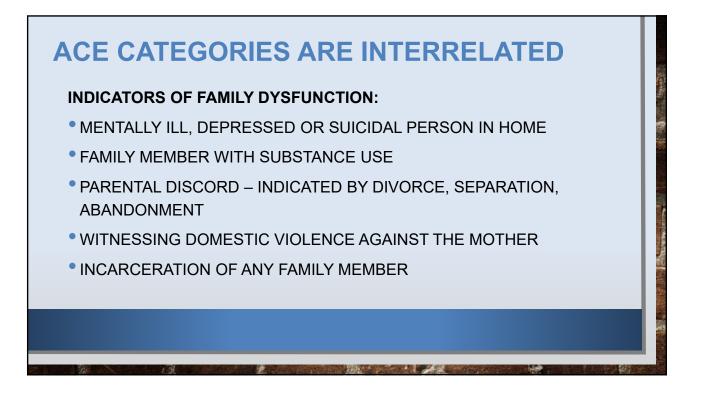


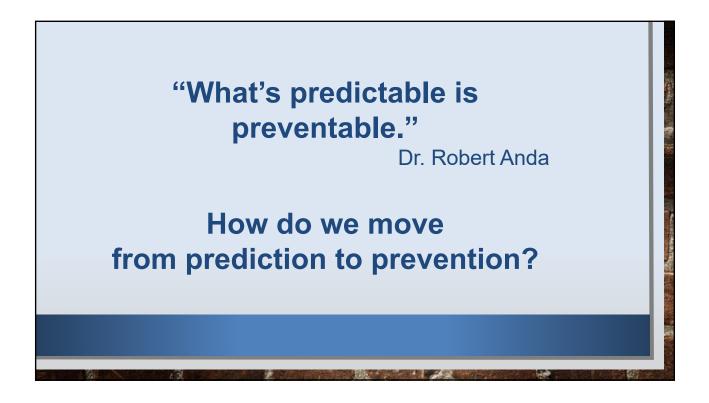


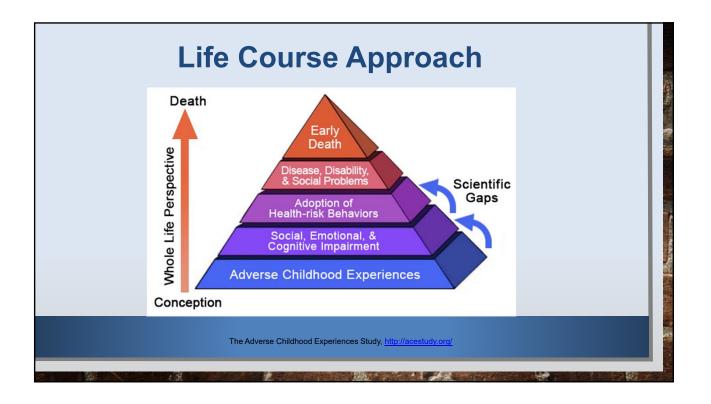


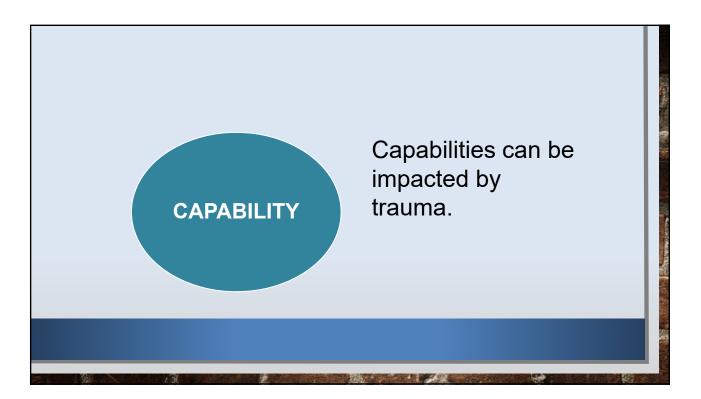


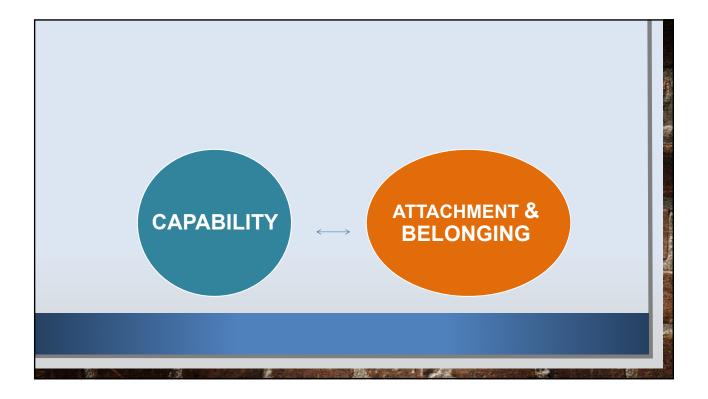




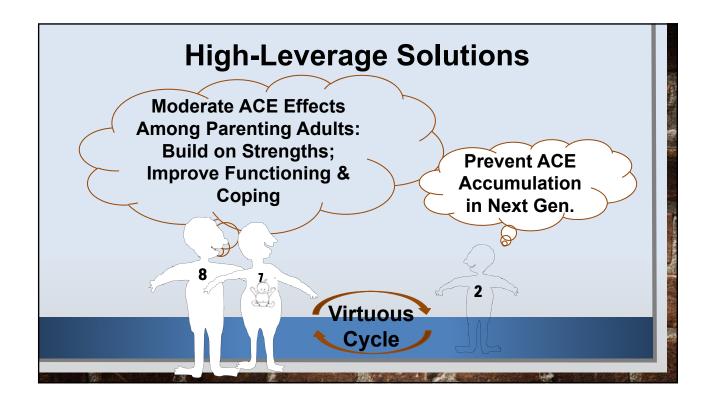


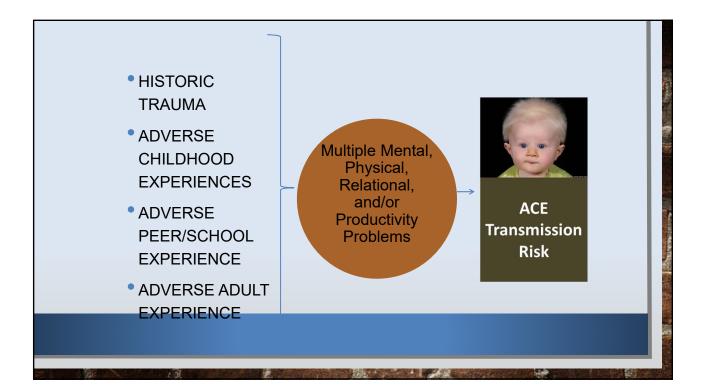


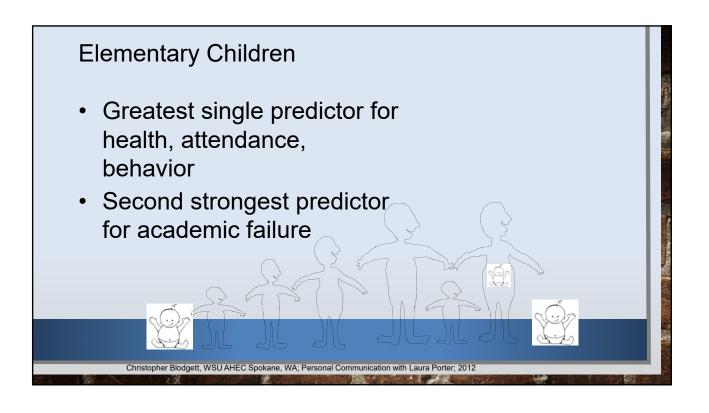


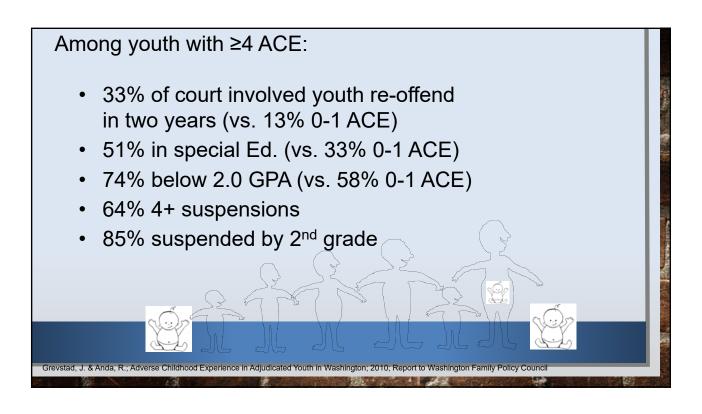


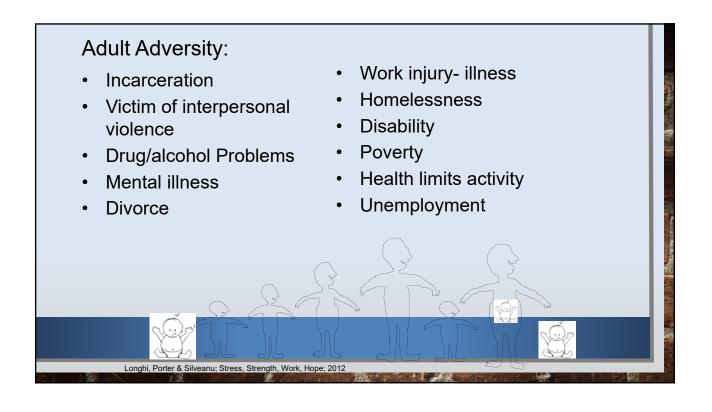


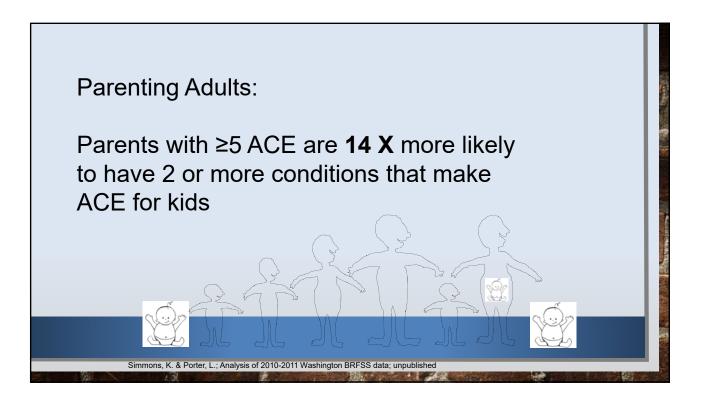


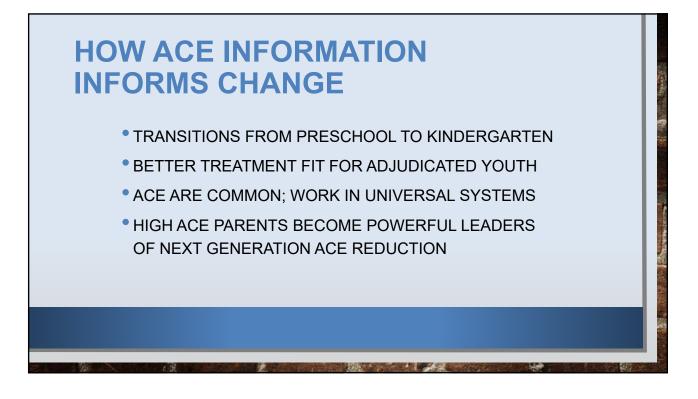




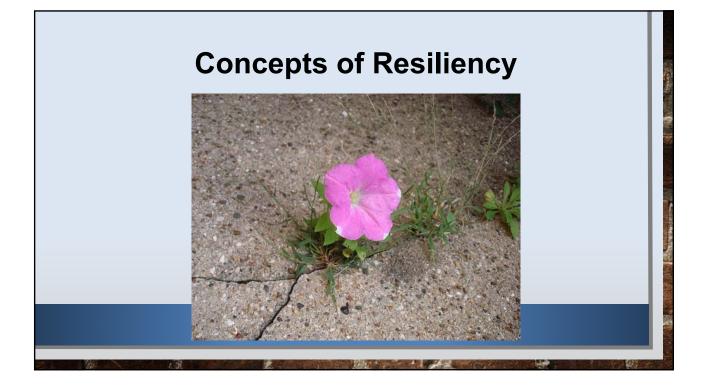


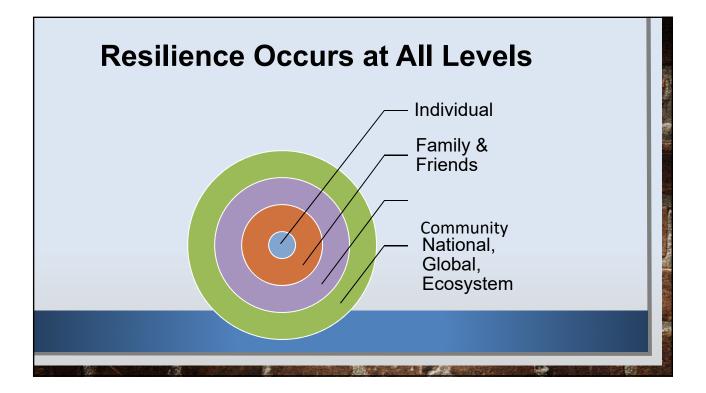




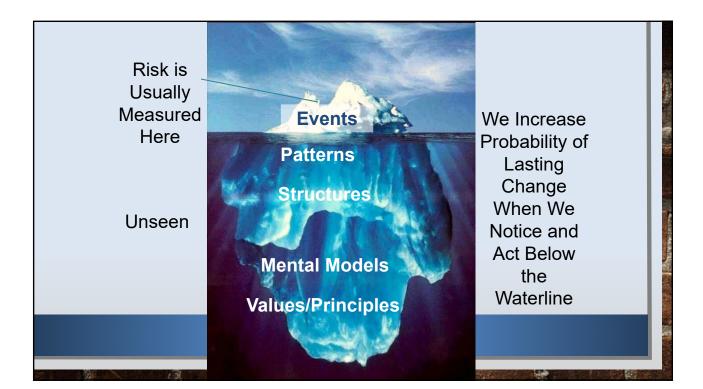








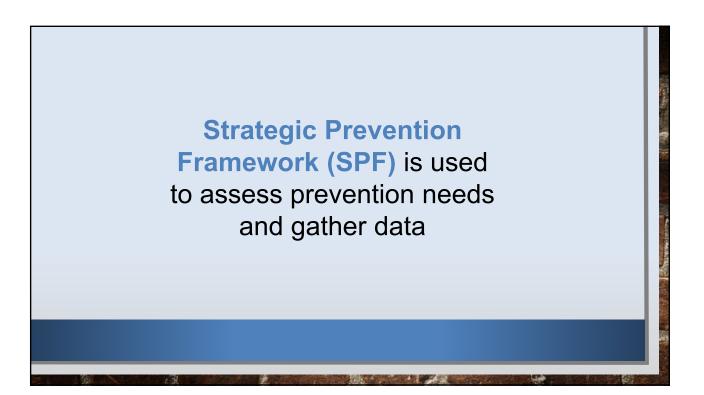




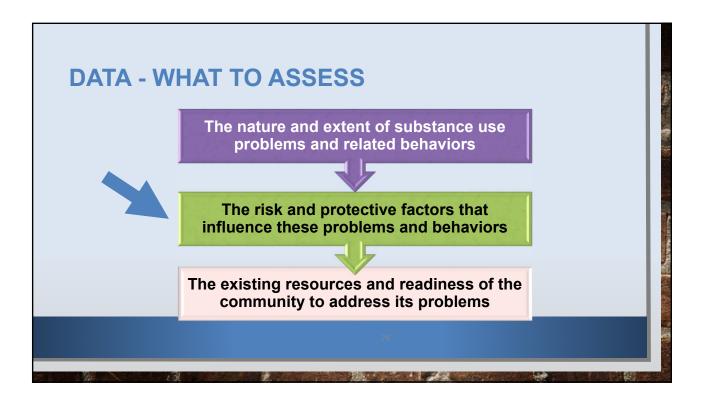
Adverse childhood experiences can impact prevention efforts.

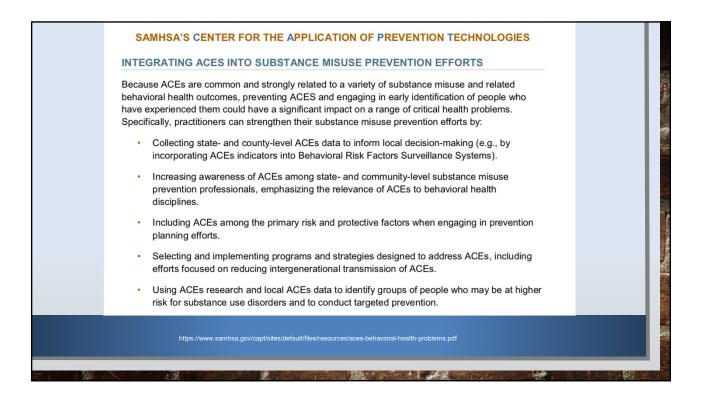
ACEs are a good example of the types of complex issues that the prevention workforce often faces. The negative effects of ACEs are felt throughout the nation and can affect people of all backgrounds. Successfully addressing their impact requires:

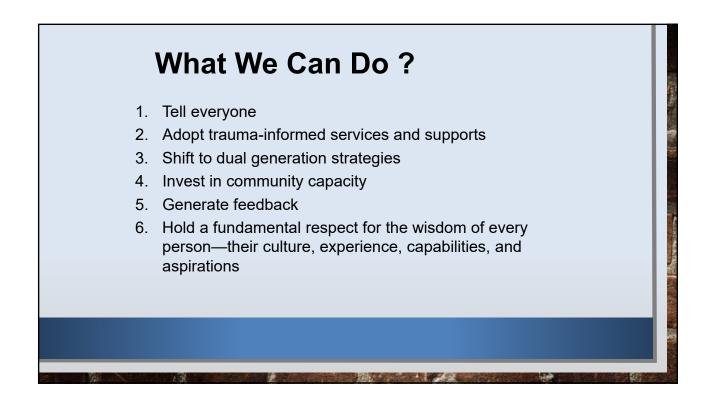
- ·Assessing prevention needs and gathering data
- •Effective and sustainable prevention approaches guided by applying the Strategic Prevention Framework (SPF)
- •Prevention efforts aligned with the widespread occurrence of ACEs
- •Building relationships with appropriate community partners through strong collaboration.

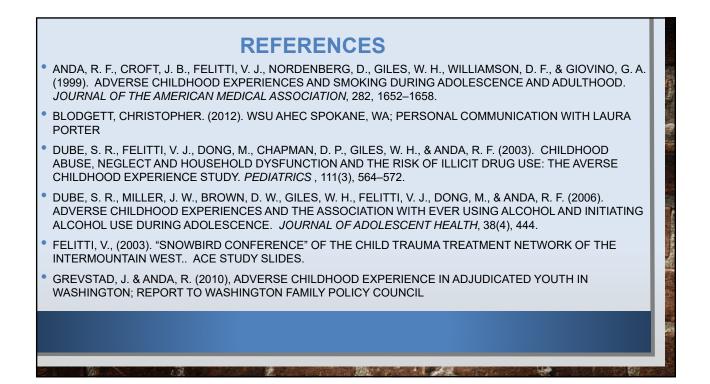




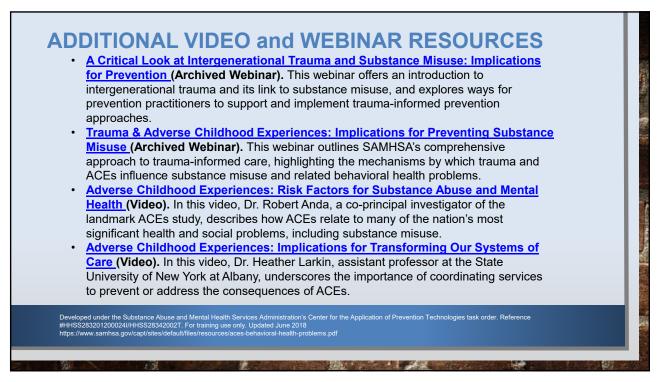








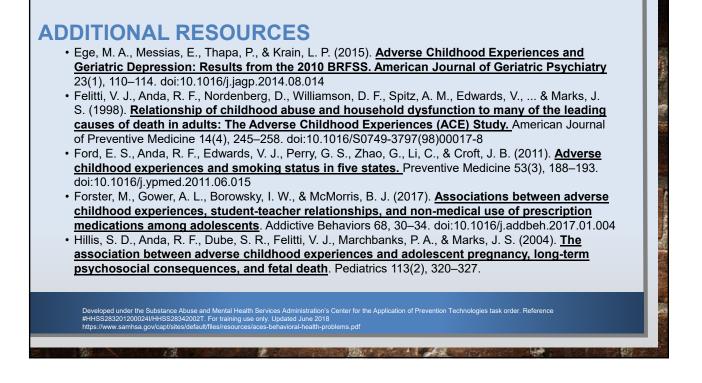
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Developed under the Substance Abuse and Mental Health Services Administration's Center for the Application of Prevention Technologies task order. Reference #HHSS283201200024I/HHSS28342002T. For training use only. Updated June 2018 https://www.samhsa.gov/capt/sites/default/files/resources/aces-behavioral-health-problems.pdf



ADDITIONAL RESOURCES

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