

# Adverse Childhood Experiences and Toxic Stress Among Agricultural Worker Families: The Role of Primary Care & Promotores(as)

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### **Objectives**

- 1. Define Toxic Stress
- 2. Recognize the impact of Toxic Stress on health
- 3. Raise awareness of your own past may be impacted by Toxic Stress and its impact on your work
- 4. Identify current recommendations for screening for primary care
- 5. Recognize the signs of Toxic Stress
- 6. Review available resources



# Adverse Childhood Experiences (ACE) Study

(Kaiser Permanente & CDC 1998 – ongoing)

>17,000 primary care adults retrospectively reported on adverse events prior to age 18



## Childhood Adverse Experiences

The three types of ACEs include

#### **ABUSE**

### **NEGLECT**

### HOUSEHOLD DYSFUNCTION



**Physical** 



**Physical** 



Mental Illness



**Incarcerated Relative** 



**Emotional** 



**Emotional** 



Mother treated violently



Substance Abuse



Sexual



Divorce



# Adverse Childhood Experiences

### ACES can have lasting effects on....



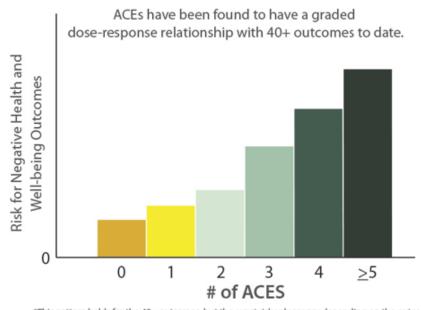
Health (obesity, diabetes, depression, suicide attempts, STDs, heart disease, cancer, stroke, COPD, broken bones)



Behaviors (smoking, alcoholism, drug use)



Life Potential (graduation rates, academic achievement, lost time from work)



\*This pattern holds for the 40+ outcomes, but the exact risk values vary depending on the outcome.

CDC, retrieved 2018



# ACE Study Findings – dose-response relationship between ACEs and negative health and well-being outcomes across the life course

Alcoholism and alcohol abuse \*

Chronic obstructive pulmonary

disease \*\*

Depression \*\*

Fetal death

Health-related quality of life \*\*

Illicit drug use \*\*

Ischemic heart disease \*\*

Liver disease \*\*

Poor work performance \*\*

Financial stress \*\*

Risk for intimate partner violence\*\*

Multiple sexual partners \*\*

Sexually transmitted diseases\*\*

Smoking \*\*

Suicide attempts \*\*

Unintended pregnancies \*\*

Early initiation of smoking \*\*

Early initiation of sexual \*\* activity

Adolescent pregnancy \*\*

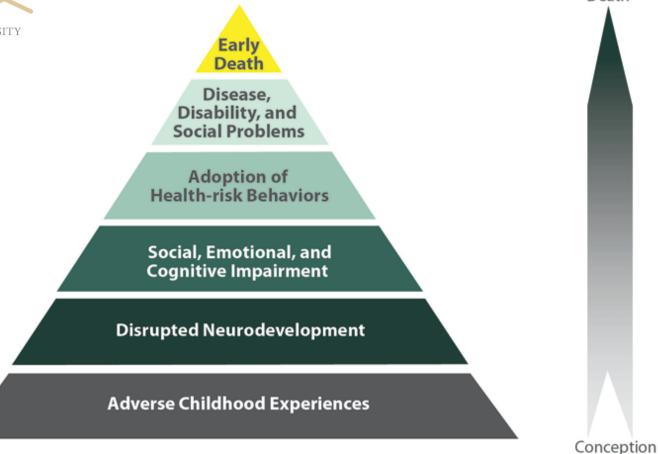
Risk for sexual violence \*\*

Poor academic achievement \*\*



How do we get from adverse events in childhood to poor health outcomes in adults??



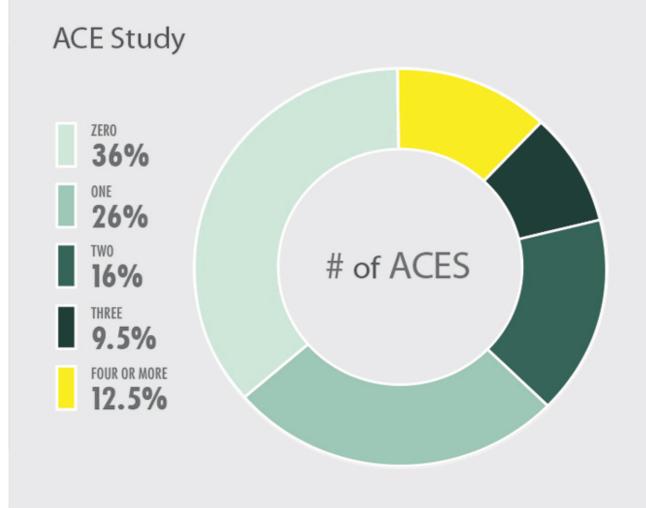


Mechanism by Which Adverse Childhood Experiences Influence Health and Well-being Throughout the Lifespan

Death



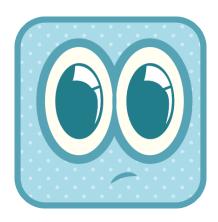
### **How Common are ACES?**



CDC- data collected 2010 BRFSS



# What is your ACE's score?



While you were growing up, during your first 18 years of life:	
Did a parent or other adult in the household <b>often</b> 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?
Yes No	If yes enter 1
2. Did a parent or other adult in the household often	
Push, grab, slap, or throw something at you?	
or	
Ever hit you so hard that you had marks or were injured?	
Yes No	If yes enter 1
105 140	ii yes ciitei i
3. 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 w	ay?
Try to or actually have oral, anal, or vaginal sex with you?	
Yes No	If yes enter 1
103 110	n yes enter i
4. Did you 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	her or support each other?
Yes No	If yes enter 1
165 140	ii yes ciitei i
5. Did you <b>often</b> feel that	
You didn't have enough to eat, had to wear dirty clothes, and ha	nd no one to protect you?
Tou didn't have chough to eat, had to wear diffy clothes, and ha	id no one to protect you?

Your parents were too drunk or high to take care of you or take you to the doctor if you needed it?

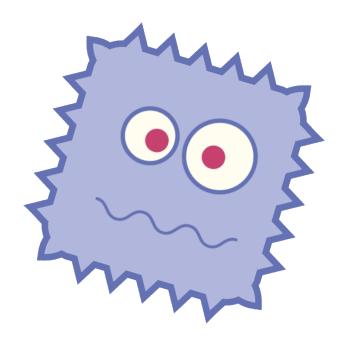
Yes No If yes enter 1 \_\_\_\_\_

### While you were growing up, during your first 18 years of life:

6. Were your parents <b>ever</b> separated or divorced?	76
Yes No	If yes enter 1
7. Was your mother or stepmother:	
Often pushed, grabbed, slapped, or had somet	thing thrown at her?
or	
Sometimes or often kicked, bitten, hit with a	fist, or hit with something hard?
or	_
Ever repeatedly hit over at least a few minute	s or threatened with a gun or knife?
Yes No	If yes enter 1
8. Did you live with anyone who was a problem drink	<del>-</del>
Yes No	If yes enter 1
9. Was a household member depressed or mentally ill	
Yes No	If yes enter 1
10. Did a household member go to prison?	
Yes No	If yes enter 1
Now add up your "Yes" answers:	This is your ACE Score



### What do ACE's have to do with Toxic Stress?

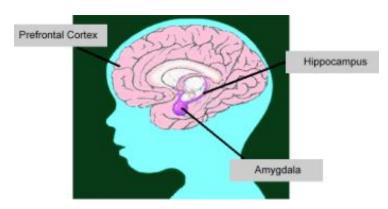




### **Toxic Stress**

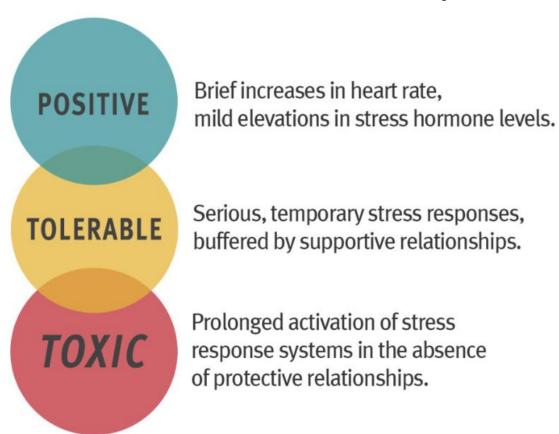
the extreme, frequent, or extended activation of the stress response that causes distress for the child and may lead to negative psychological and physical health outcomes

(Johnson, Riley, Granger, & Riis, 2013)





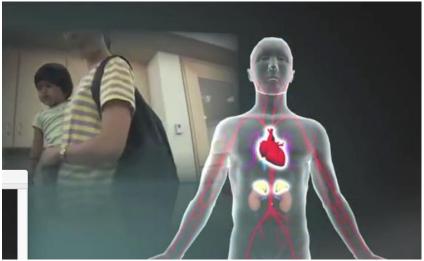
### Stress: levels of severity





### **Reaction to Stress**



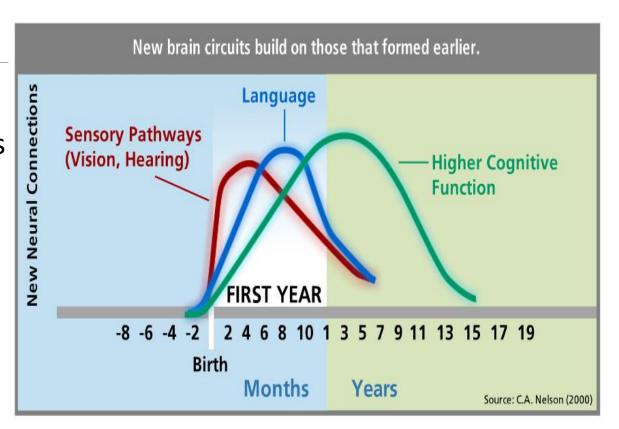


Center for the Developing Child Harvard University

http://developingchild.harvard.edu

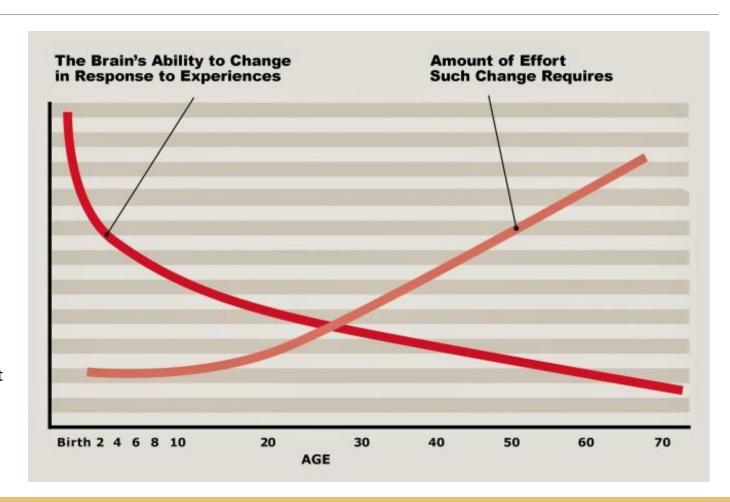


Toxic stress interferes with development of language, sensory pathways and higher order cognitive functioning including emotional regulation.



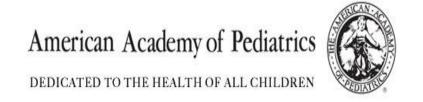


# Why Screen for Stress when Assessing a Child's Development?



Graph Source: Pat Levitt (2009).





Committee on Psychosocial Aspects of Child and Family Health recommends <u>screening for children</u> <u>and families at risk for toxic stress.</u>

#### **ASSUMPTIONS:**

- ➤Identify origins of adult disease → address early in life → transform system from "sick-care" to well-care model"
- Primary care setting is main gateway to access care for children and youth. *Therefore* important to address mental health needs in primary care.





- ✓ Today's healthcare system is realizing that medical and behavioral health do not occur in two different domains, rather than same person.
- ✓ Mental illness often goes undetected and undertreated by healthcare providers.
- ✓ Physical illness often goes unmanaged due to failure to recognize underlying psychological distress.
- ✓ Integrated care has the potential for decreasing significantly healthcare spending.
  - Essential element of integrated primary care is screening



## Importance of Screening

- ➤ Behavioral health IS part of basic general health (biopsychosocial model)
- Primary care is the de facto mental health system in the U.S.
  - Up to 70% of primary care medical appointments are for problems stemming from psychosocial issues
  - More than 50% of psychotropic medications are prescribed by PCPs (compared to 12% by Psychiatrists)
- Cost of non-adherence to treatment needs to take into consideration underlying trauma experience.
- Treatment of behavioral issues associated with chronic diseases can reduce the effects of both and support better outcomes



# Common Causes of Toxic Stress in Children in US

Economic Problems	26%
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Divorce /Separation 20%

Family Member who

abuses drugs/alcohol 11%

Mental illness 9%

Neighborhood Violence 9%

Family member in prison 7%

Domestic Violence 7%

Death of parent/guardian 3%



# Signs of Toxic Stress in Children

- Problems in school
- Becoming easily irritated
- Becoming easily distracted
- Being hyperactive and impulsive
- Difficulty relaxing
- Difficulty concentrating
- Becoming withdrawn
- Dazed/forgetful
- Shutting down emotionally
- > Headaches
- > Stomachaches





# **Tiered System of Interventions for Toxic Stress**

### Universal Preventive Interventions

- ✓ General Parent education targeting health literacy
  - **✓ PROMOTORAS**
- ✓ Universal Screening during well-child visits
  - ✓ PRIMARY CARE PROVIDERS

#### Selective Preventive Interventions

- ✓ Targeted interventions for developmentally appropriate areas
- ✓ Parent Guidance
- ✓ Parent training

### Indicated Preventive Interventions

✓ Evidence based interventions for identified physical / behavioral problems



# **Goal:** Healthy Child and Healthy Future Adult

#### We need:

- Early identification of problems
- Emotionally healthy parents
- ✓ Parents with good parenting skills
- Child with coping skills and good emotional regulation



# Post-screening Options

Referral to Primary Care Provider

Behavioral Health Provider / School Counselor/ Nurse Patient Options

Referral to community resources

www.fsustress.org



# Factors that predispose children to positive outcomes in face of adversity (and what the Promotoras can do)



- Facilitating supportive adult-child relationships;
- building a sense of self-efficacy and perceived control;
- providing opportunities to strengthen adaptive skills and self-regulatory capacities;
- mobilizing sources of faith, hope, and cultural traditions.
- Teach positive parent-child interaction
- Address maternal mental health: anxiety, depression, own experience of maltreatment









#### Put a STOP to harmful stress

Caring and supportive relationships is KEY. If you are a parent, spend time engaging in activities with your child and family. Play sports, play board games, dance, sing and look for other ways to have positive interactions with your child.

learn more





#### Did you know?

If you are having a lot of problems, don't try to deal with them on your own – ask for help! Talking with a parent, a family member, or to a friend might help. Letting someone know about your problems may not make them go away, but it will help you feel more calm, cool and relaxed while you deal with something that is not easy.

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### **Social Media**



### **Posters**





## **Text Messaging**



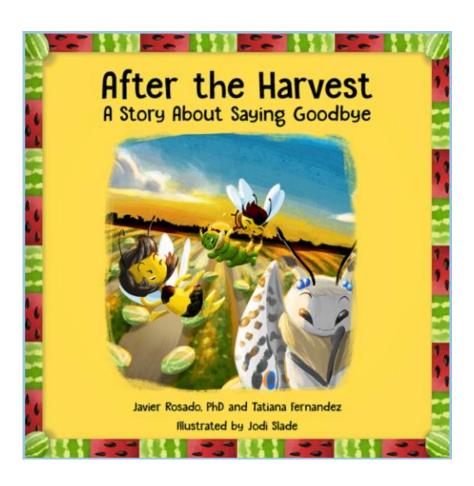








### **Center E-book**





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http://www.fsustress.org



The National Child
Traumatic Stress Network

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