

#### Building Self-Healing Communities



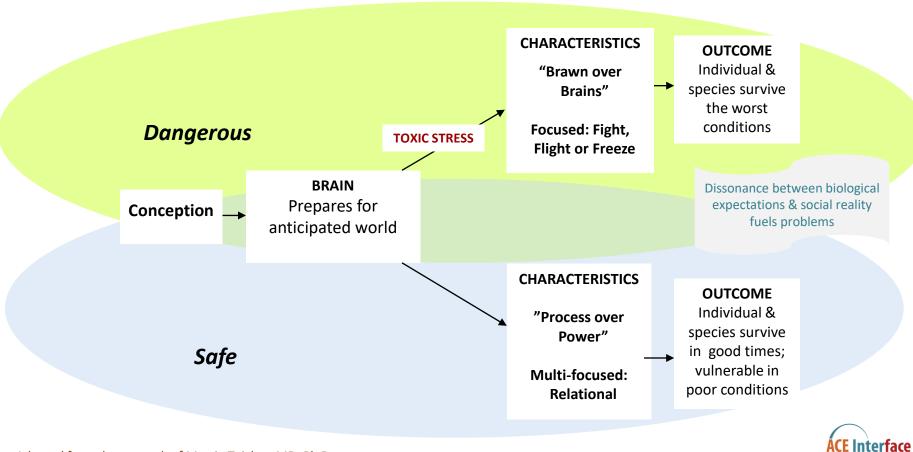


#### Understanding

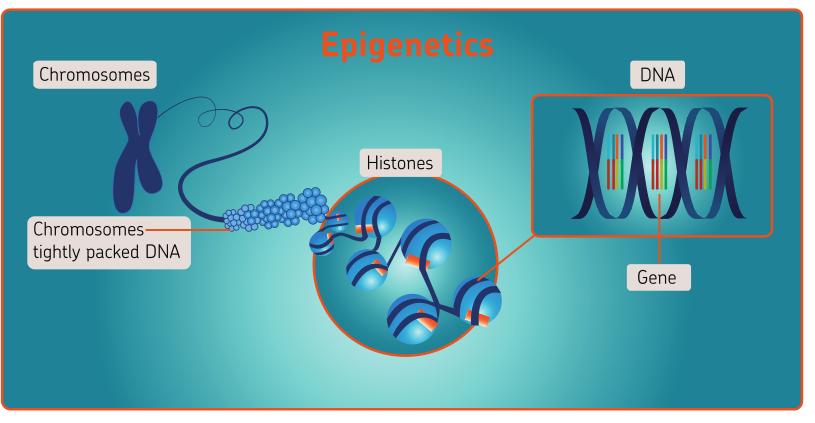
N. E. A. R.

Neuroscience Epigenetics Adverse Childhood Experiences Resilience

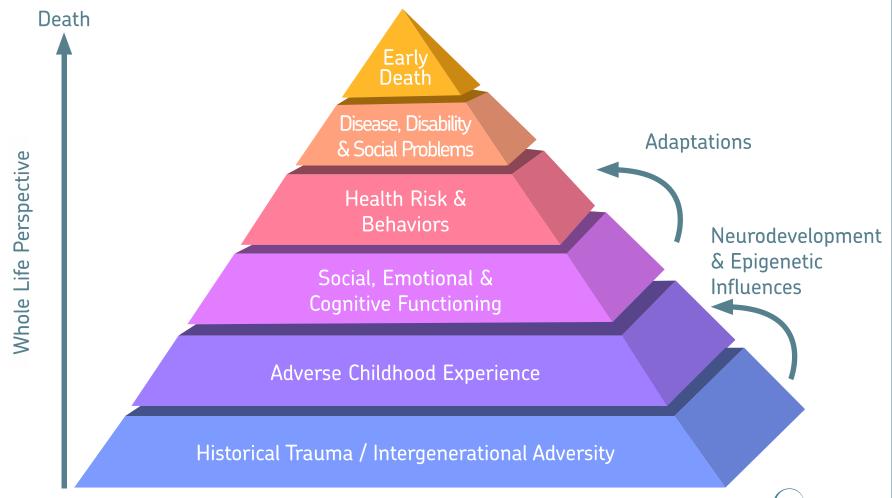
### Hardwired for Anticipated World



### **ACEs Influence Gene Expression**







Preconception

ÁCE Interface © 2017

# **ACE Categories Considered in Study**

#### Abuse

- 1. Child physical abuse
- 2. Child sexual abuse
- 3. Child emotional abuse

#### Neglect

- 4. Physical Neglect
- 5. Emotional Neglect

#### **Indicators of Family Dysfunction**

- 6. Mentally ill, depressed or suicidal person in the home
- 7. Drug addicted or alcoholic family member
- 8. Parental discord indicated by divorce, separation
- 9. Witnessing domestic violence against the mother
- 10. Incarceration of any family member

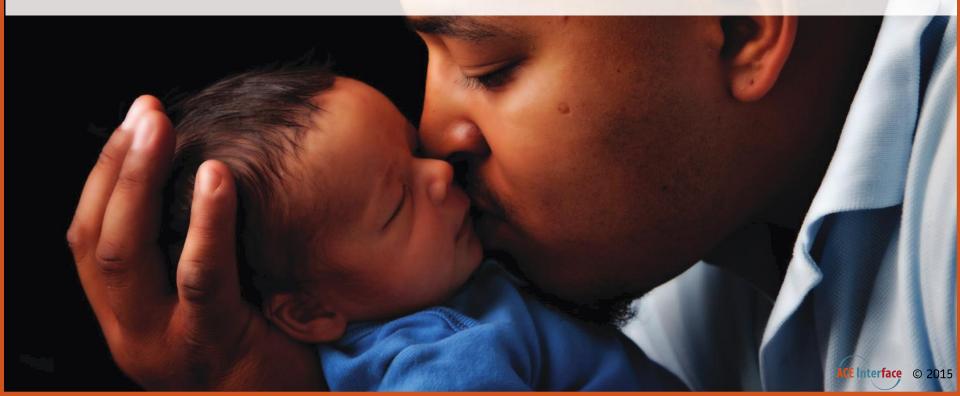


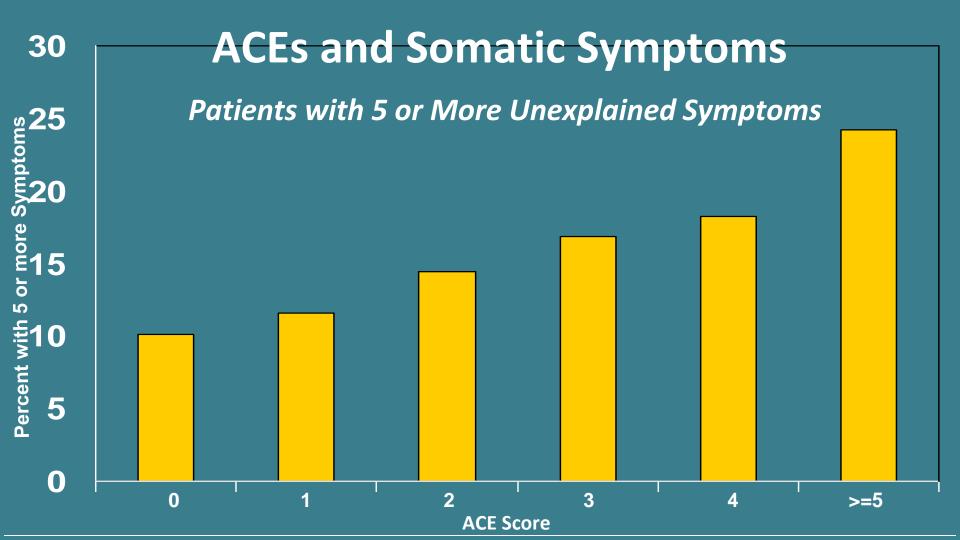
# **ACE Study Major Findings**

- ACE Categories (ACEs) are Interrelated
- ACEs are Common
- **Accumulation Matters**
- Dose-Response: Disease, Disability, Social, Productivity
- Scores= Good Proxy Measure Childhood Toxic Stress Dose
- ACEs are the Most Powerful Known Determinant of Health



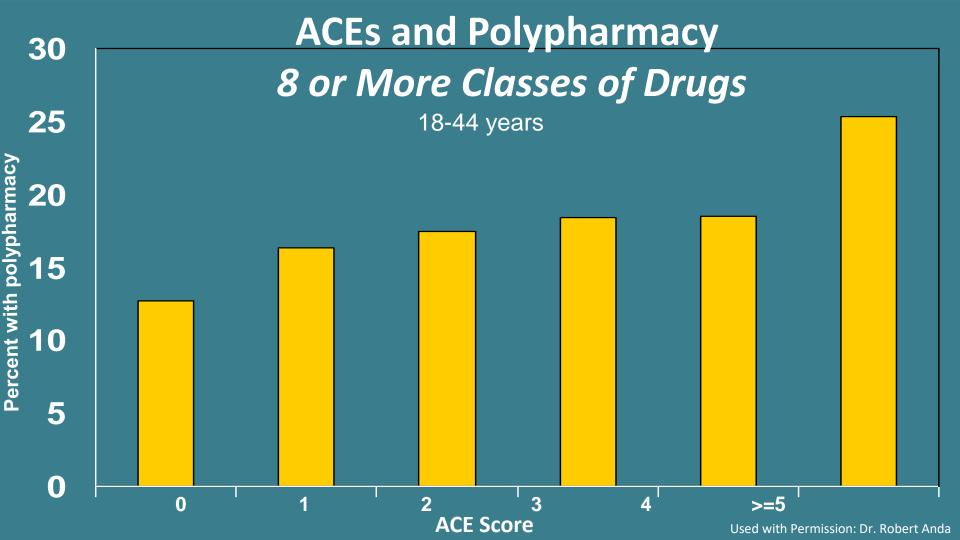
### Memory of our experiences IS STORED IN OUR BODY





"Self regulation depends on having a friendly relationship with your body. Without it you have to rely on external regulation – from medication, drugs like alcohol, constant reassurance, or compulsive compliance with the wishes of others."





# Adverse Childhood Exposures and Alcohol Dependence Among Seven Tribes

American Journal of Preventative Medicine, 2003, pp. 238-244; Koss, M., Polacca, M., Yuan N., et al



# **Adverse Childhood Exposures**

Analysis from "The Ten Tribes Study"

ABUSE AND NEGLECT

- 1. Physical abuse (men: 40%; women: 42%)
- 2. Sexual Abuse (men: 26%; women: 31%)
- 3. Emotional abuse (men: 26.5%; women: 36.4%)
- 4. Physical neglect (men: 45%; women: 43%)
- 5. Emotional neglect (men: 20%; women 23%)

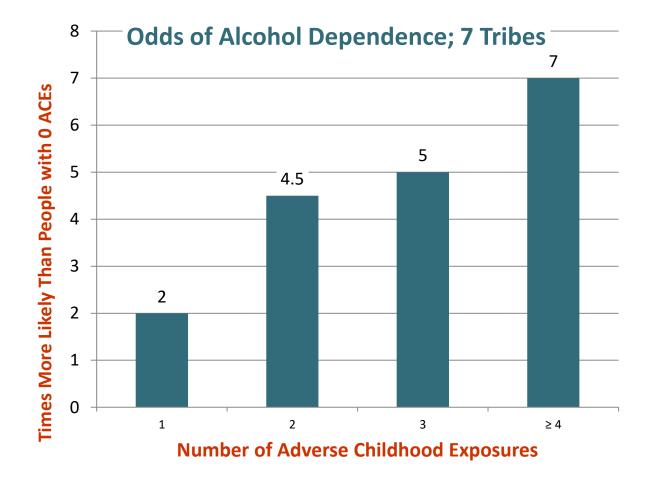
FAMILY/CONTEXT

- 6. Boarding school placement (25%)
- 7. Foster care placement, (men: 10%; women: 14.5%)
- 8. Adoption (5%)
- 9. Having an alcoholic parent(s) (men: 66%; women: 66.5%)

86% participants experienced one or more categories

33% reported four or more categories.





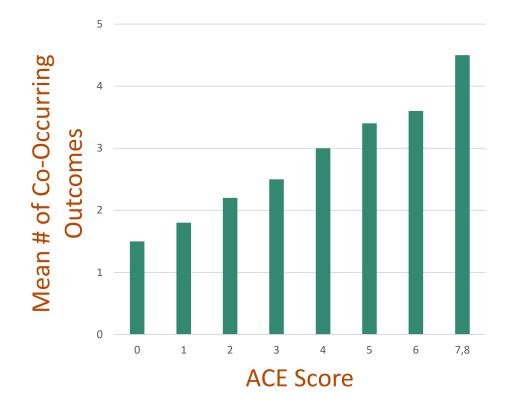
- Combined sexual and physical abuse increased alcohol dependence for men.

- Combined sexual abuse and boarding school attendance were significant for women.



Koss, M., Polacca, M., Yuan N., et al "Adverse Childhood Exposures and Alcohol Dependence Among Seven Tribes" American Journal of Preventative Medicine, 2003, pp. 238-244

### **ACEs and Co-Occurring Problems**



Health & Social Problems Panic Reactions Depression Affect Regulation Anxiety Hallucinations Somatic Issues Sleep Disturbances Severe Obesity Pain Smoking Alcoholism Substance Use Illicit Drug Use IV Drug Use Early Intercourse Promiscuity Sexuality Sexual Dissatisfaction Amnesia (Childhood) Memory **Problems with Anger Perpetration of Family** Arousal Violence ÁCE Interface

# Parent ACE Scores Predict Child ACE Scores

Children of Parents with ACE Scores  $\geq$ 4, are:

- 1. 6.3x more likely to experience household substance abuse
- 2. 10.4x more likely to experience homelessness
- 3. 12.7x more likely to experience neglect
- 4. 44x more likely to be exposed to intimate partner violence



### Population Risk Attributable to ACEs

Health Risk Behaviors and Experiences

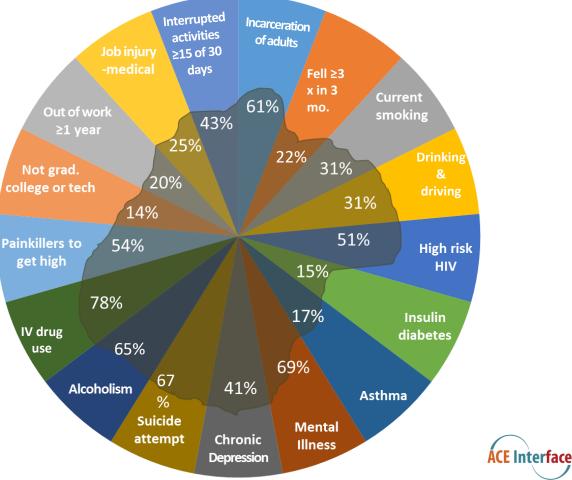
Physical Health

Mental Health

**Relational Problems** 

Productivity Problems

Generational Transmission of Adversity



The ACE Score is NOT:

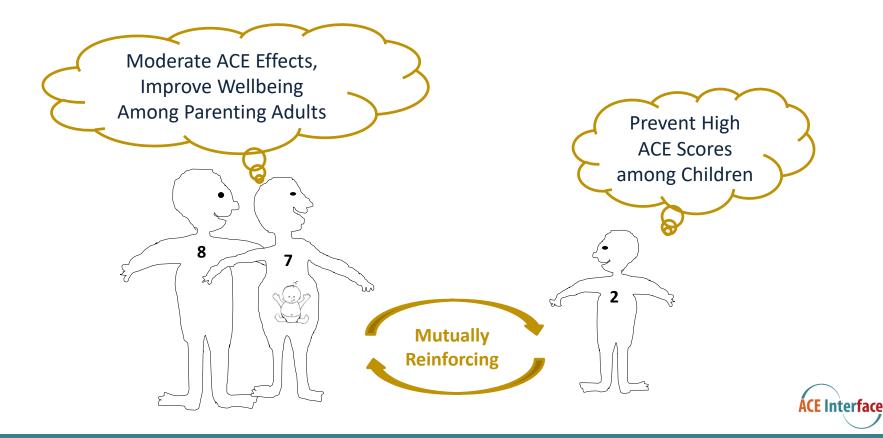
-A fun "quiz" -A diagnostic assessment -A screening test

Instead...

It is a <u>history tool</u> to promote understanding, dialogue, and a narrative about the impact of ACEs...



#### **Promote Virtuous Cycle of Health**



### **Core Protective Systems**

"Nurturing the healthy development of these protective systems affords the most important preparation or 'inoculation' for overcoming potential threats and adversities in human development. Similarly, damage or destruction of these systems has dire consequences for the positive adaptive capacity of individuals."

Ann Masten, 2009



Attachment & Belonging

Capabilities

Community Culture Spirituality Educate.... Trainers, Parent Café, Chicago Hospitals

Challenge Mental Models....

Parent & Peer Leadership, 2-Generation

Notice...... Opioid Collab, Crisis Nursery, Over Time

Practice...... Children's Clinic, Michigan, Alberta, Columbia Gorge, SHC Rhythm of Engagement

### Train the Trainer

- Fidelity to the Science
- Common Language
- Common Meaning
- Tailored to Audience
- Widely Tested
- Delivers Understanding, Compassion, Motivation to Act



## **Challenge Mental Models**



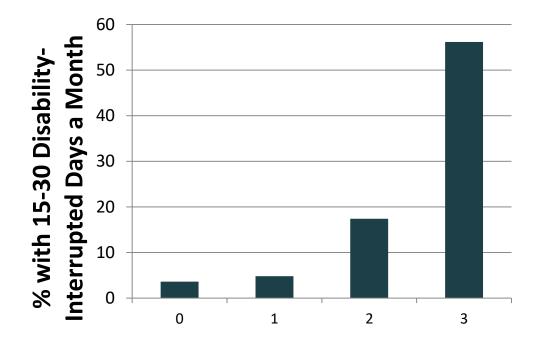
### Support Functioning: Prevent Adult Adversity

#### Adults with ≥3 ACEs

<u>Plus</u>

**Major Stress Categories:** 

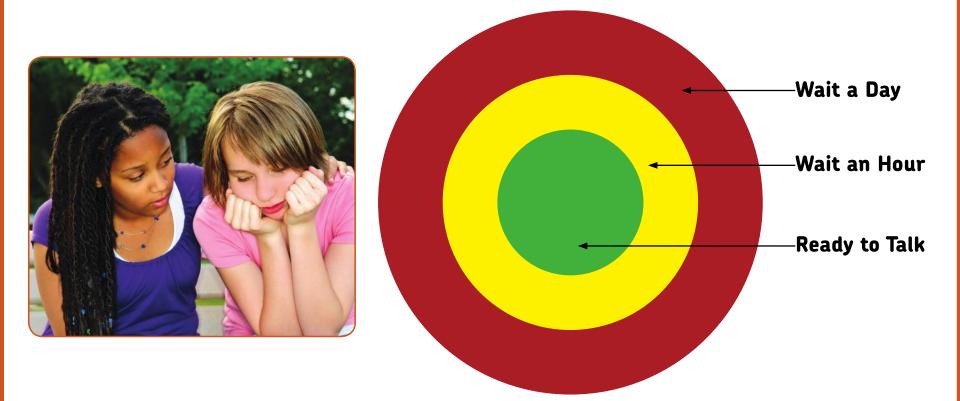
- 1. Homelessness
- 2. Incarceration
- 3. Chronic illness
- 4. Separation/Divorce
- 5. Severe Depression
- 6. Work-related Injury/ Illness



Number of Major Stress Categories In Adulthood Added to ACE Score of ≥3



### Trauma-Informed School Discipline





### **Building Self-Healing Communities**



# Prevention & Health Promotion

- Self Management & Care; e.g.: self regulation, executive skill building, sleep, narrative
- Trauma-Informed Practice; e.g.: Community Health Workers, Social Workers, Clinical psychologists, Primary Care Providers, Etc.
- Community Context



# "Establishing Safety First is Paramount"

Dr. Kate McLaughlin



- Self Efficacy
- Ability to Direct Attention
- Positive View
- Ability to Recognize ACEattributable problems
- Self Regulation



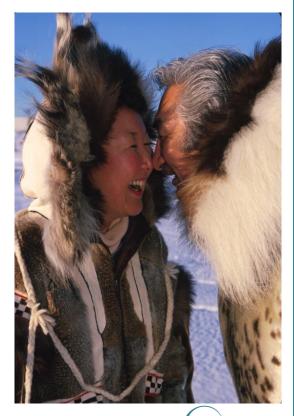
# What Helps Individuals Self-regulate?

#### Activate Social Engagement:

- 1. Healing Power of Community Expressed in Music, Rhythm, Theatre
- 2. Exercise & Play
- 3. Practicing Connection

#### Calm Physical Tensions in Body:

- 1. Massage, Movement, Breathing
- 2. Mindfulness, Reflection, Yoga
- 3. Tapping Acupressure Points
- 4. Biofeedback, Neurofeedback
- 5. Eye Movement Desensitization & Reprocessing



**ACF** Interfac





Addressing ACEs in Home Visiting by Asking, Listening and Accepting

> Version 1 | March 2015 Prepared by Region X ACE Planning Team





#### NEAR@Home is a toolkit

Focused on face to face conversation about ACE History in context of a safe, trustworthy relationship

Free download: https://thrivewa.org/work/trauma-and-resilience-4/



Understanding a person's adverse childhood experience takes nothing away from understanding her resilience.

It puts into perspective how spectacularly resilient she may be, the strengths she is building on for the next phase of her life, and opens the space to talk about the life she wants for her self and her family.



# Framing the ACE History In Care Settings

#### Adopt Protocol: Educate, Ask, Listen, Affirm, Remember

"We now know that childhood experience has a big impact on health throughout our lives. Understanding your history of adversity while you were growing up will help us to work together to improve your health and the health of your family."



Respect the ACE History: Ask, then Listen

When you know the ACE score, ask:

*"How have these experiences affected you through your life?"* 

"How do you think these experiences affect your parenting now?"



# Responding to the ACE History: Affirm

#### Support the next steps in the conversation, e.g.:

- "People with high ACE scores often have to work harder in many aspects of their lives... how have you managed to do so well?"
  (Build from their answer to affirm their strengths and resilience.)
- "I am sorry these things happened in your childhood. We didn't know back then; this science is new. Now that we know about the power of ACEs, how would you like to use that that information to improve the health of your family?"



"Social support is the most powerful protection against becoming overwhelmed by stress and trauma. The critical issue is reciprocity: being truly heard and seen by the people around us, feeling that we are held in someone else's mind and heart."



# **Noticing Journey**



#### Results Oriented Decision Making: Data



Not Safe at Home



Not Welcome at School

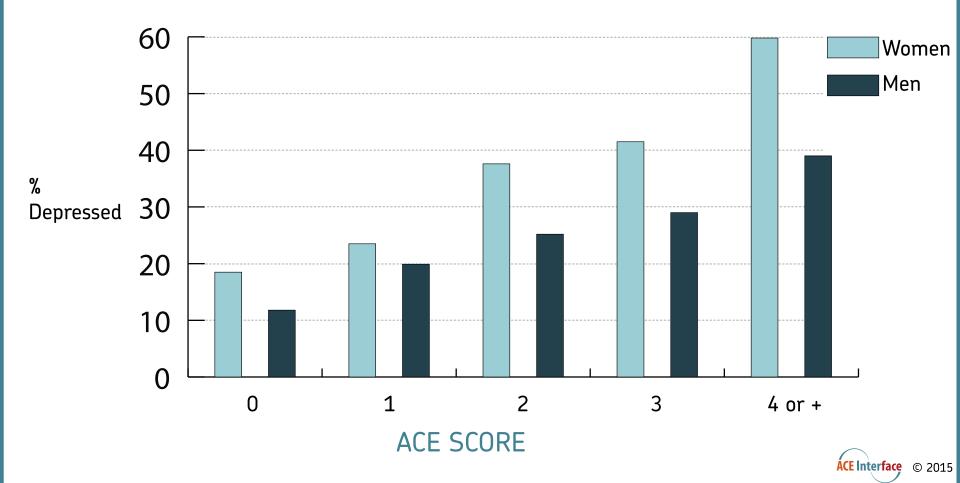
Among Adjudicated Youth with High ACE Scores, **85%** were first suspended from school in second grade



## Noticing Interrelatedness



#### ACEs & Depression



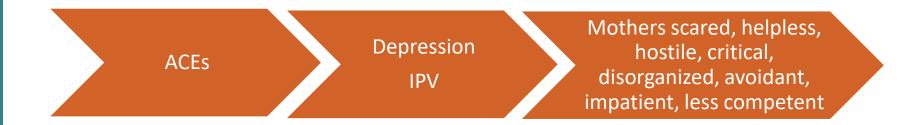
## Depression

# Among Caregivers of Young Children

- 12% to 17% of mothers of infants or toddlers report major depression
- Up to 50% of those report persistent depression for a year or more
- 25% of caregivers with report to CWS had major depression within past 12 months –leading risk factor: IPV
- 46.3% had "ever suffered" major depression



# What's Predictable is Preventable





National Survey of Child and Adolescent Well-Being; No. 13; Depression Among Caregivers of Youth Children Reported for Child Maltreatment; Research Brief.



### ACEs Are Not Destiny

People affected by ACEs are becoming the leaders of Self-Healing Communities



© 2015

# Help that Helps





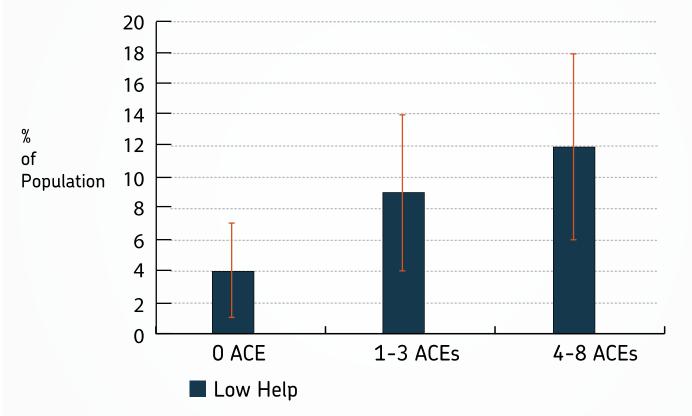
Having two or more people who give concrete help when needed







# ACEs & Depression Depress All or Most of Last Month With Help



foundation for nealthy generations

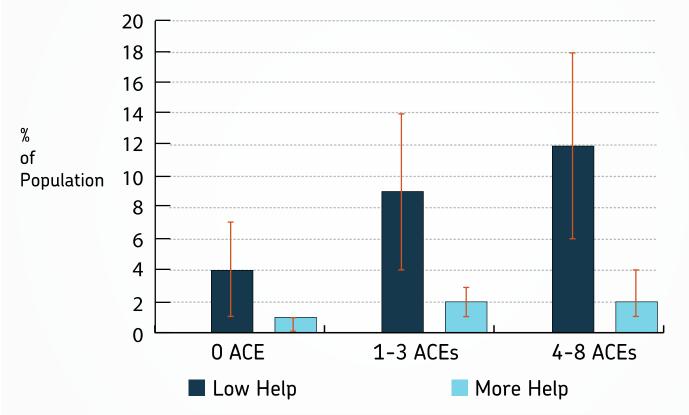


#### **Depression & Help**

**ÁCE Interface** 

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Depress All or Most of Last Month With Help





# **Community Reciprocity**

Watching out for children
 Intervening when children are in trouble
 Doing favors for one another

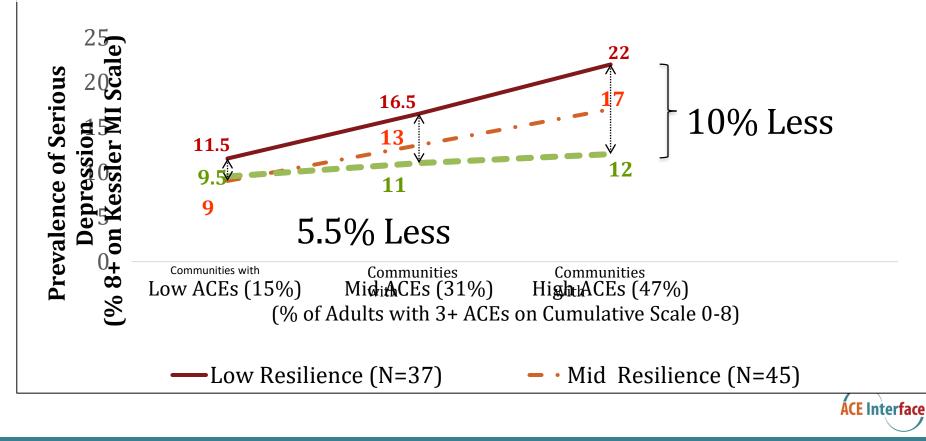


When communities with high ACE prevalence also have high rates of reciprocity,do parenting adults experience less depression?

The answer is yes.



# **Reciprocity & Adult Depression**



# **A Self-Healing Community**



is a group of people linked by geography or interests,

who intentionally use culture, social structure, & interactions

> to improve intergenerational wellbeing and equity.



## CULTURE

Culture is the abstract, learned, shared rules/standards/patterns for understanding experience and generating behavior.

Culture frequently acts as a kind of autopilot for everyday life.

Culture is co-created by the individual members of a group as they interact in daily life.

Culture change is also co-created by members of a group when they perceive that new ways will be better ways.



## **Community Capacity Building**



Investing in the people with the most at stake – create conditions for them to:

- Contribute their core gifts,
- Experience belonging, and
- Intentionally shape the future they would like for next generations.

Community Capacity Development is a public health approach to solving interrelated problems by improving people's connections, their shared responsibility, and the collective impacts of their efforts.

"In Self-Healing Communities, services are delivered in ways that also build community and social networks that will remain in the lives of clients after formal services have ended."



Porter, Martin, & Anda (2015) Self Healing Communities, A Transformational Process Model for Improving Intergenerational Health; In Press, Robert Wood Johnson Foundation

## **Self-Healing Communities**

produce safe, stable nurturing relationships & environments

- They have a rhythm of engagement that includes: 1. Continuous expansion of **leadership opportunities**.
- 2. Safe and regularly scheduled ways of coming together to **focus** on matters of local importance and promote belonging and cooperative action.
- 3. Networked social and inter-organizational processes: **learning**, reciprocity, social bridging, and efficacy.
- Shared times and venues for reflection and decision making about the **results** they want for future generations.





## Successful Journey Child Safety



#### In this place:

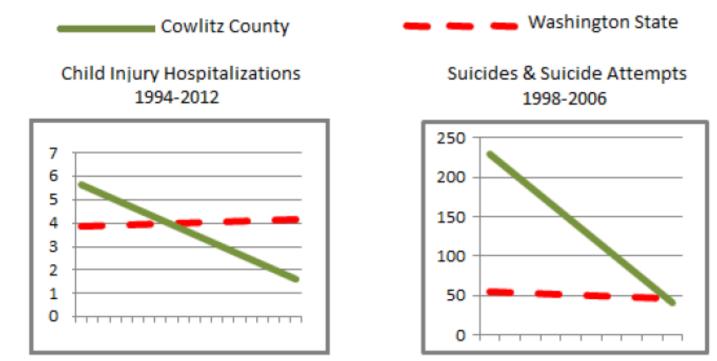
- History of natural disasters
- History of assault on way of life
- Historical trauma affects large portion of population
- High ACE prevalence bimodal split in scores
- Stunning success for a small investment



# **Strategy Layering Over Time**

Planning, Purchased Services, Coordination + Public Education, Professional Development, Population-Specific Strategy + Cross-training for Relationship-Based Pros, Discipline-Specific Strategy, Parent Leaders; Neighborhood Specific Efforts in High 911 Call Areas Networking Cafés, Field trips to Learn, Business & Community Together We Can Events, Time Bank, Transportation Collaborative, Listening Dialogues

Turning Point: "Improve parent skills so parents can give sound advice and be good mentors to their children, and, in turn will gain skills and relationships to give sound advice to the community – and that advice will make a better system of help for them and for other families."

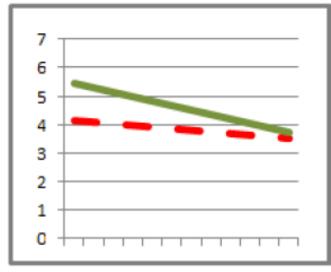


Difference in slopes p = 0.000

Difference in slopes p=0.000

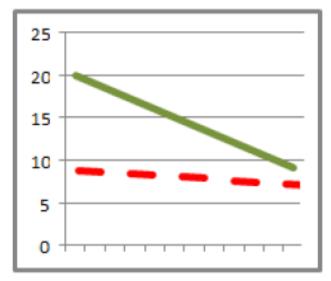


#### Hospitalizations 1994-2004



Difference in slopes p=0.003

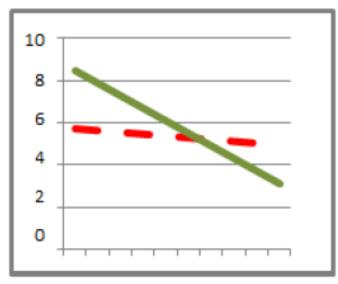
#### Alcohol Arrests 1994-2004



Difference in slopes p=0.008

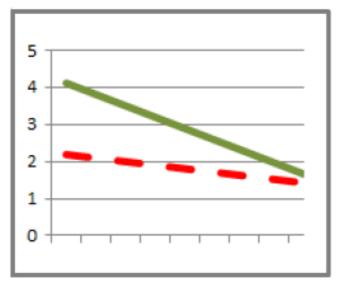


#### Infant Mortality 1998-2006



Differenc in slopes p=0.043

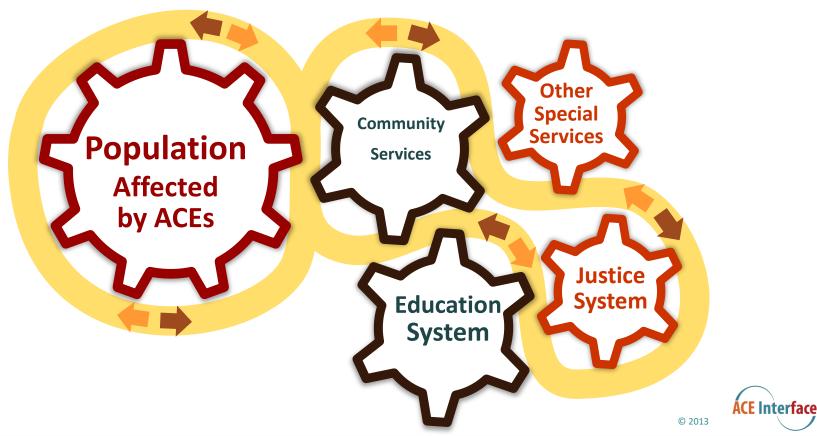
#### Filings for Juvenile Offenses 1998-2006



Difference in slopes p=0.000



#### **Building Self-Healing Communities**



## Thank You Laura Porter, ACE Interface lauraportergarden@gmail.com

