A PAIR OF ACES FOR INJURY AND VIOLENCE PREVENTION WEBINAR 2:

USING AND FINDING DATA AND ENGAGING WITH PARTNERS

JANUARY 10, 3:00-4:30 EST

SOUTHEASTERN & SOUTHWESTERN
Injury Prevention Network (SE&SW)

A PAIR OF ACES FOR INJURY AND VIOLENCE PREVENTION WEBINAR *SERIES*

- LISTEN TO WEBINAR 1, INTRODUCING THE PAIR OF ACES TO INJURY AND VIOLENCE PREVENTION AT THIS LINK HTTPS://BIT.LY/2BRVFML
- TUNE IN TO WEBINAR 3: APPLYING PAIR OF ACES TO INJURY PREVENTION PRACTICE FEBRUARY 14, 3-4:30 EST

TECHNICAL NOTES AND LOGISTICS

- THIS WEBINAR IS BEING RECORDED
- THE SLIDES AND RECORDING WILL BE MADE AVAILABLE TO REGISTERED ATTENDEES
- PLEASE ENTER YOUR QUESTIONS IN THE CHAT BOX AS THEY OCCUR TO YOU. WE WILL ANSWER THEM AS TIME PERMITS.
- PLEASE CALL IN USING YOUR TELEPHONE AND PLACE YOURSELF ON MUTE. PARTICIPANTS WILL ONLY BE ABLE TO LISTEN TO PRESENTERS, BUT CAN INTERACT VIA THE CHAT BOX.

OUR SPEAKERS

Kathryn Ports, PhD

Centers for Disease Control and Prevention | CDC · Division of Violence Prevention

Caitlin Murphy, MPA-PNP

Program Manager of the Building Community Resilience Collaborative at the Milken Institute School of Public Health at George Washington University.

Vontriece McDowell, MSW

Director of Community Based Interventions for Alive and Well Communities.

National Center for Injury Prevention and Control

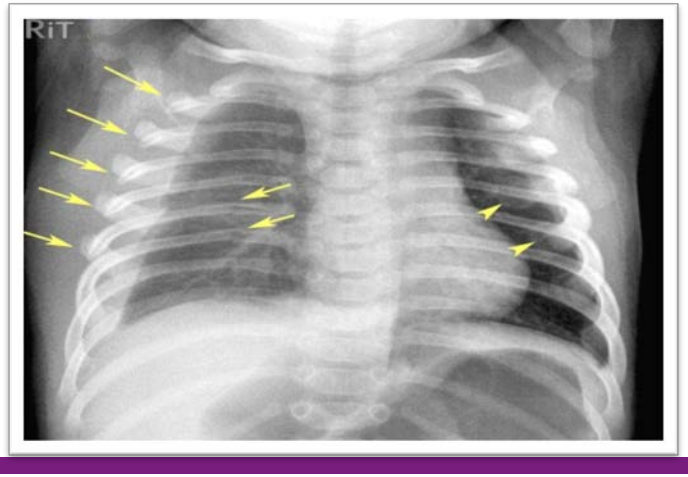
Adverse Childhood Experiences: Using Data to Inform Prevention Action

Katie A Ports, PhD

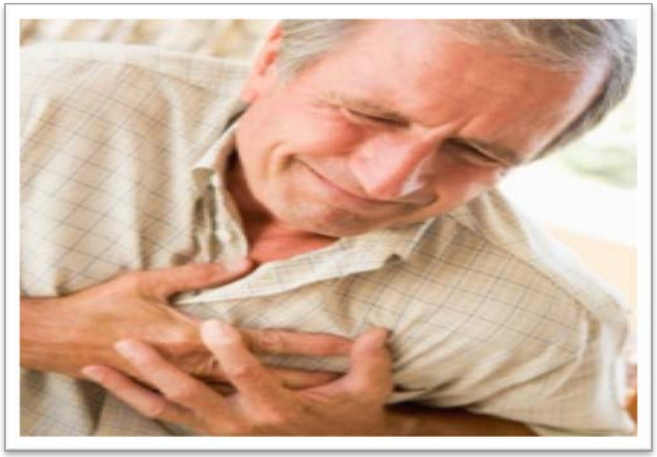
Pair of ACEs Webinar: January 10, 2019

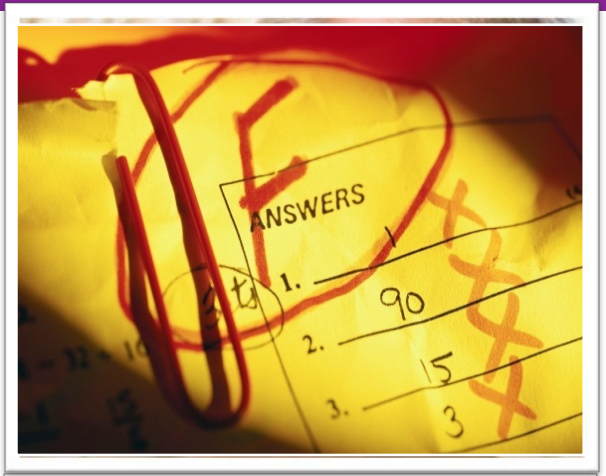
the issue
1 BILLION
CHILDREN EXPERIENCE
VIOLENCE ANNUALLY

When you think of children's exposure to violence, you might picture this…

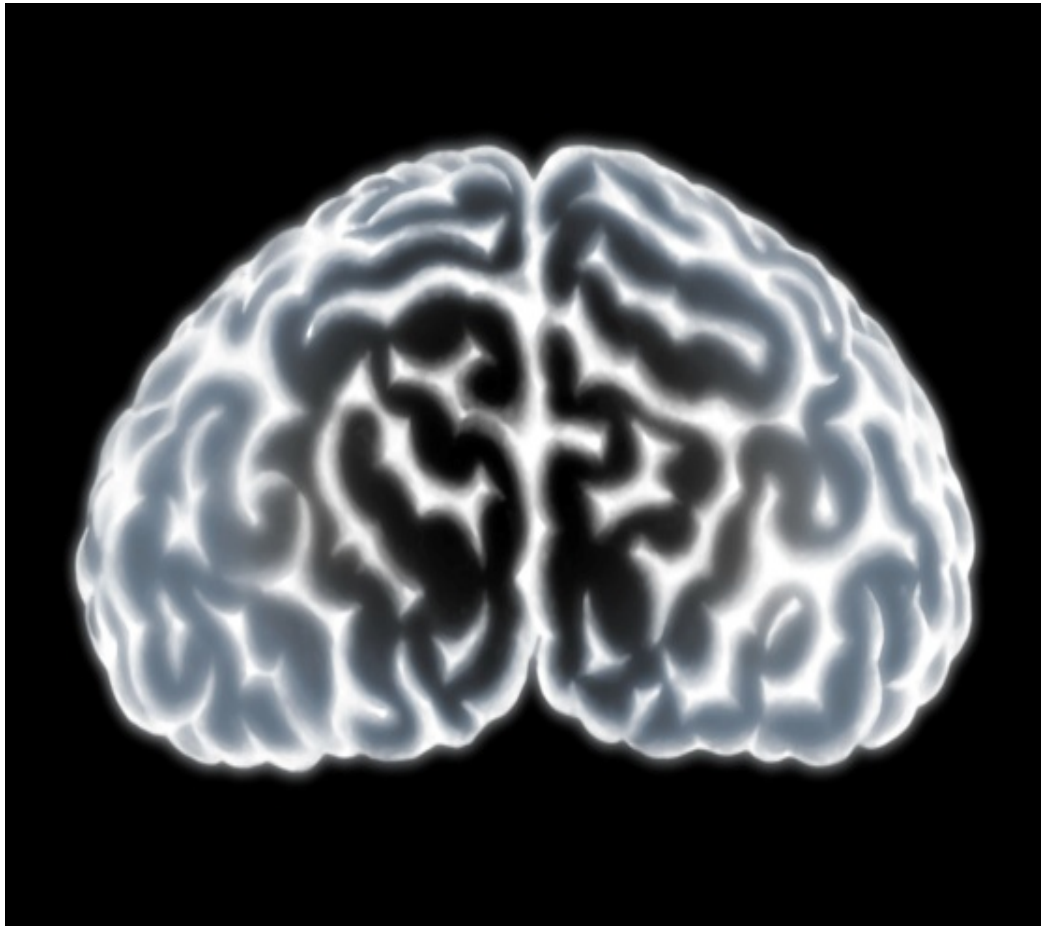


…but probably **not this**

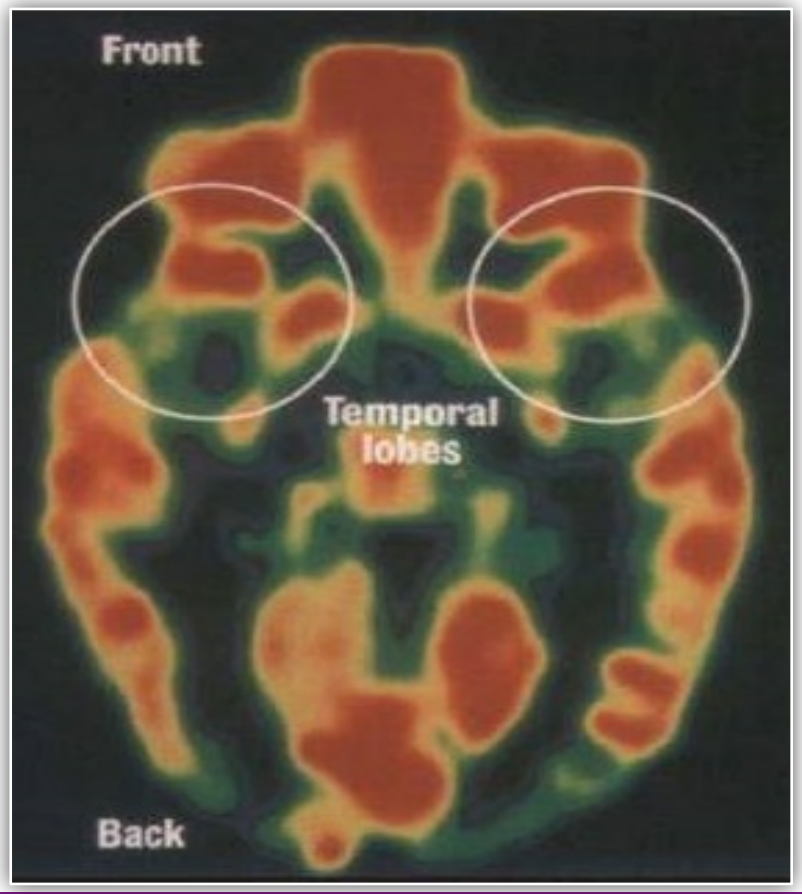


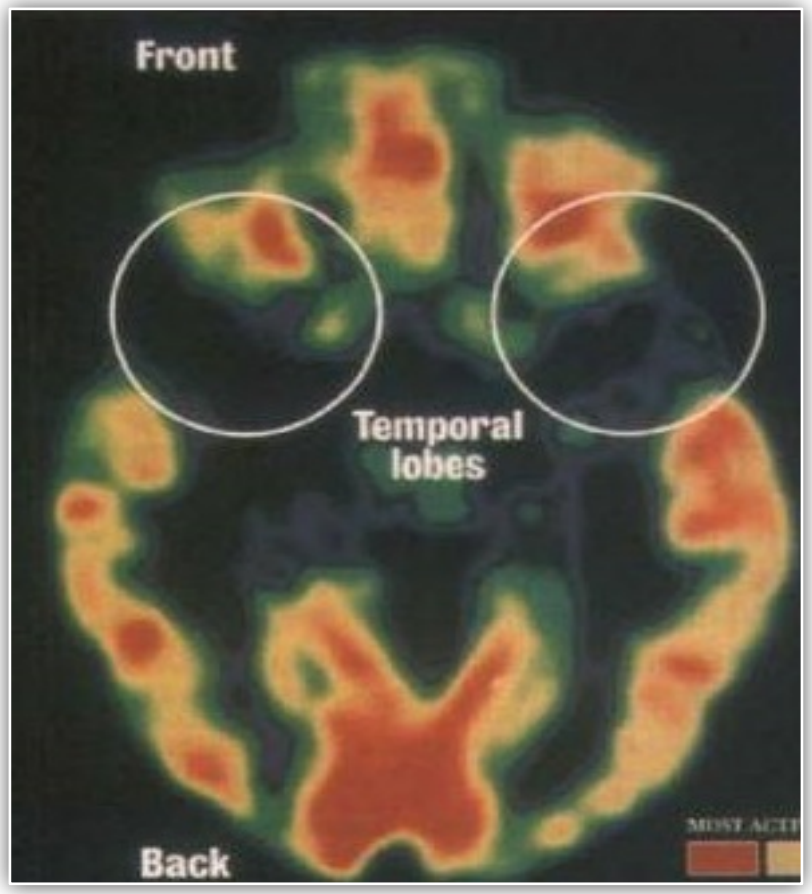


Building Brain Architecture



Violence Compromises Early Brain Development





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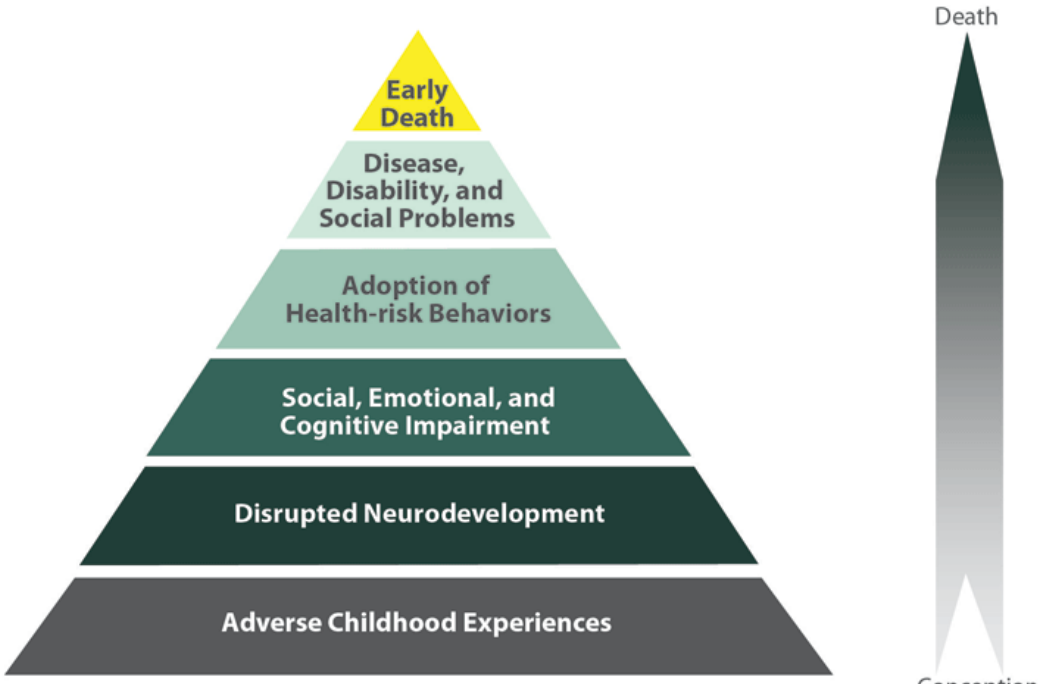


Mechanism by Which Adverse Childhood Experiences Influence Health and Well-being Throughout the Lifespan

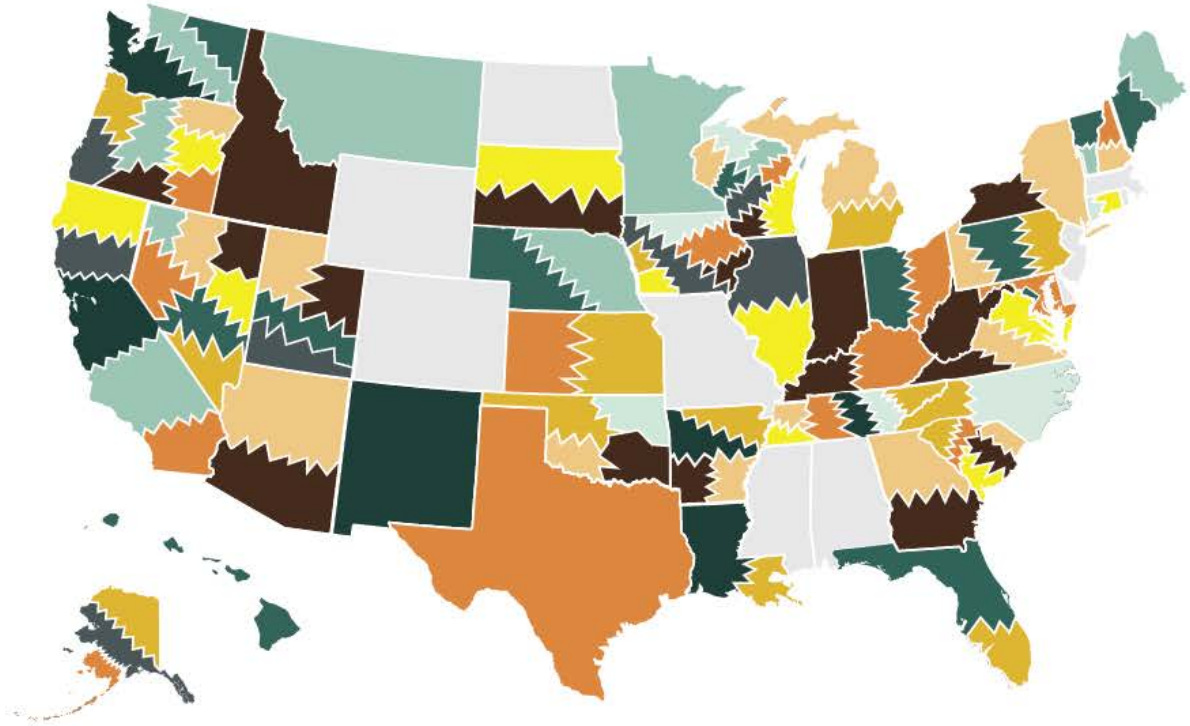
Adverse Childhood Experiences:

Graphic Credit: Robert Wood Johnson Foundation

ACES not included in the traditional measure:

- Bullying
- Out of home placement
- Poverty
- Witness violence in community or school
- Racism
- Death of a parent
- Historical trauma

THE ACE STUDY CONTINUES



AR, CA, LA, NM, TN, WA
2009

DC, FL, HI, ME, NE, NV, OH, PA, UT, VT, WA, WI
2010

CA, ME, MN, MT, NE, NV, OR, VT, WA, WI
2011

CT, IA, NC, OK, TN, WI
2012

AK, CA, IL, IA, MI, OR, UT, WI
2013

AK, AR, CO, FL, IA, KS, LA, NC, NV, OK, OR, PA, SC, TN, WI
2014

AK, CA, IA, KS, KY, LA, MD, NV, NH, OH, OR, SC, TN, TX, WI
2015

AZ, AR, GA, IA, LA, MI, NH, NV, NY, OK, OR, PA, SC, TN, UT, VA, WI
2016

CT, CA, IL, IA, NV, OR, SC, SD, TN, VA, WI
2017

AZ, AR, GA, ID, IN, IA, KY, NV, NJ, OK, OR, SC, SD, UT, VA, WV, WI
2018

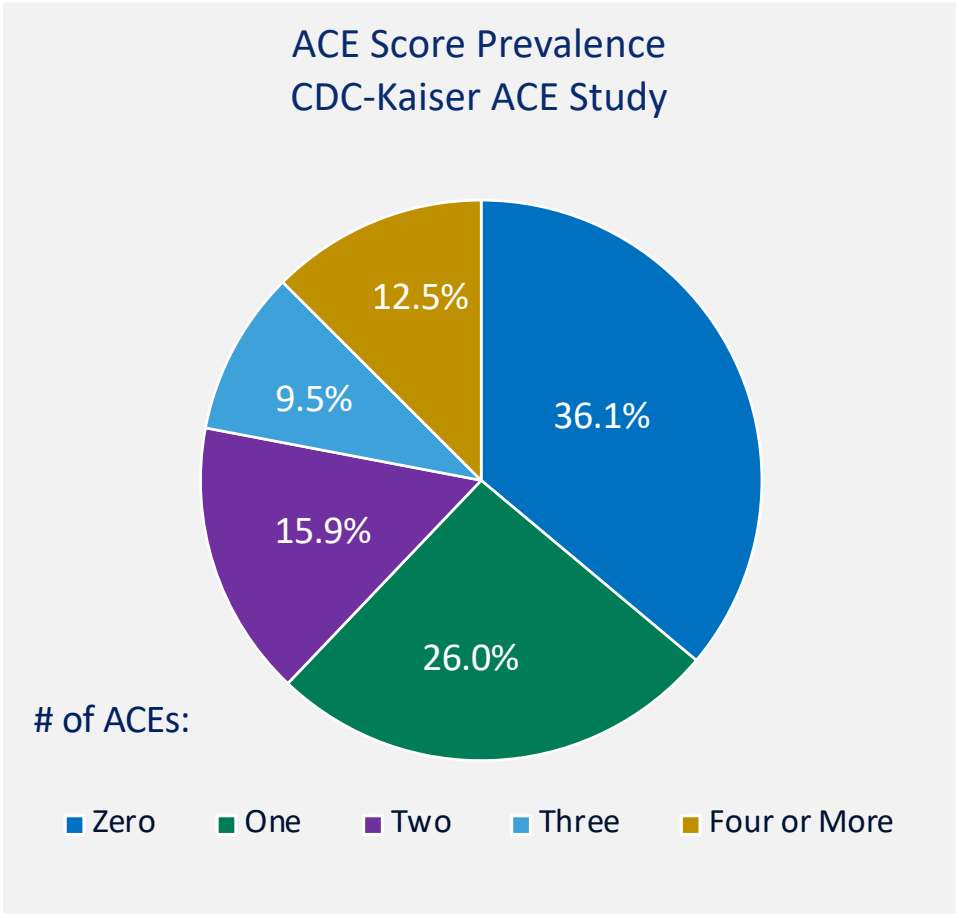
Although the study ended in 1997, some states are collecting information about ACEs in their population through the Behavioral Risk Factor Surveillance System (BRFSS).

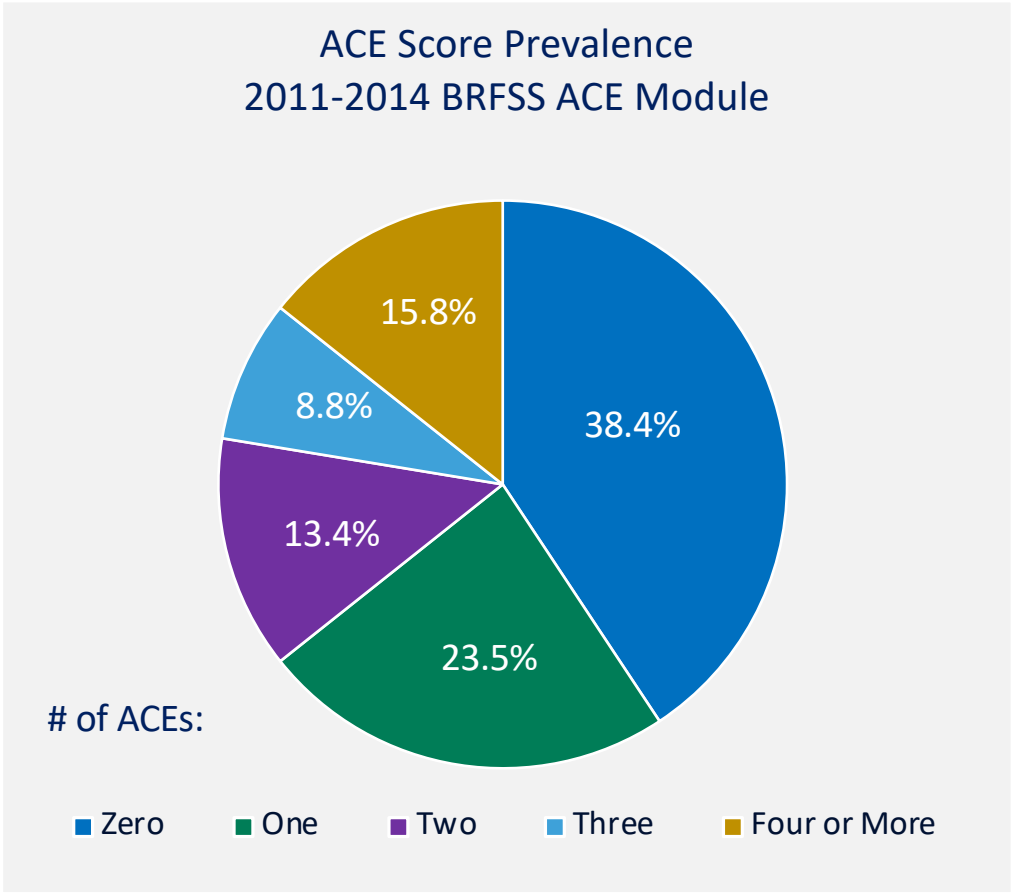
The ACE Study Continues…

Behavioral Risk Factor Surveillance System (BRFSS)

- Health-related telephone surveys that collect state data about U.S. residents
- Three parts:
  1. the core component: fixed core, rotating core, and emerging core
  2. optional modules, and
  3. state-added questions

How Common are ACEs?





Research

JAMA Pediatrics | Original Investigation

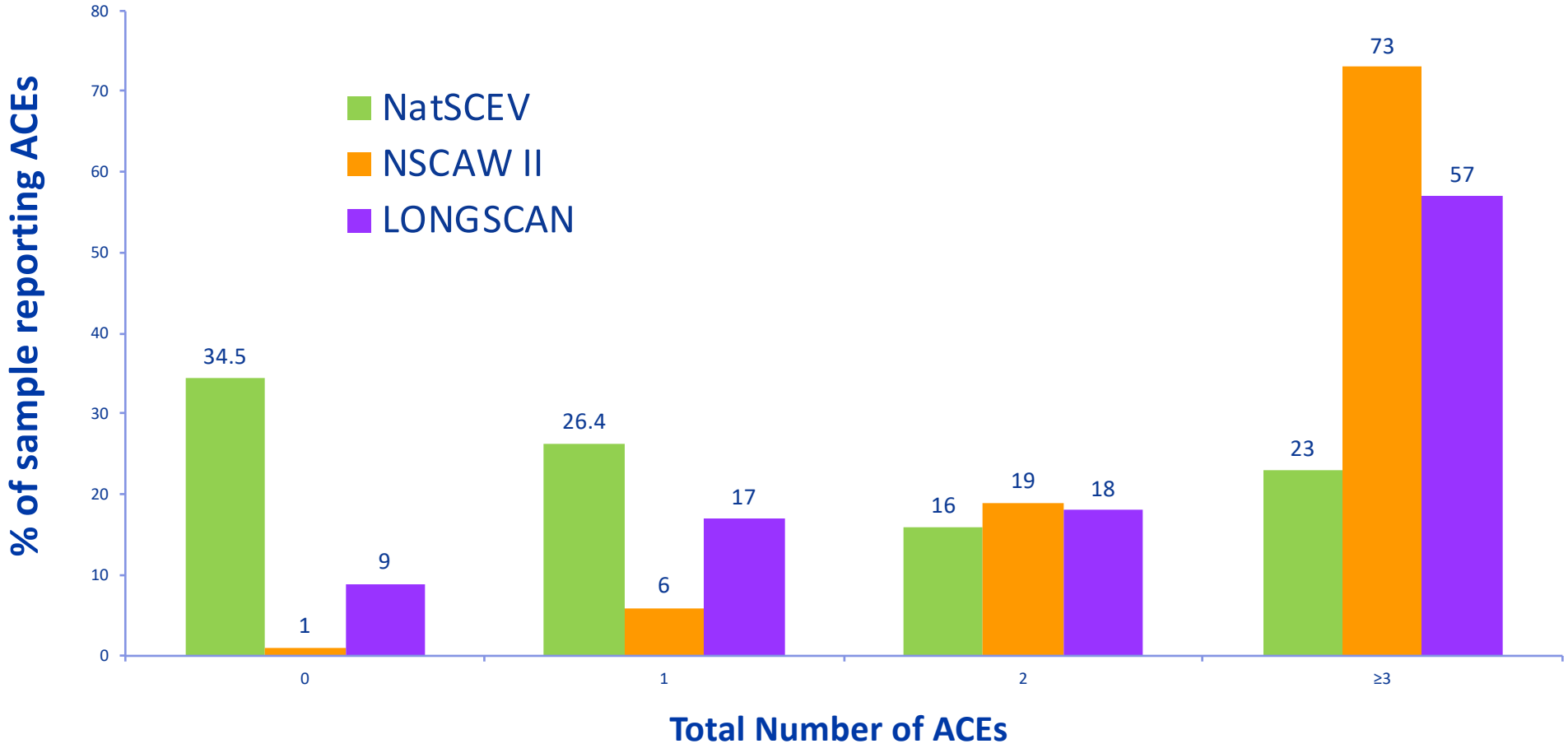
Prevalence of Adverse Childhood Experiences From the 2011-2014 Behavioral Risk Factor Surveillance System in 23 States

Melissa T. Merrick, PhD; Derek C. Ford, PhD; Katie A. Ports, PhD; Angie S. Guinn, MPH

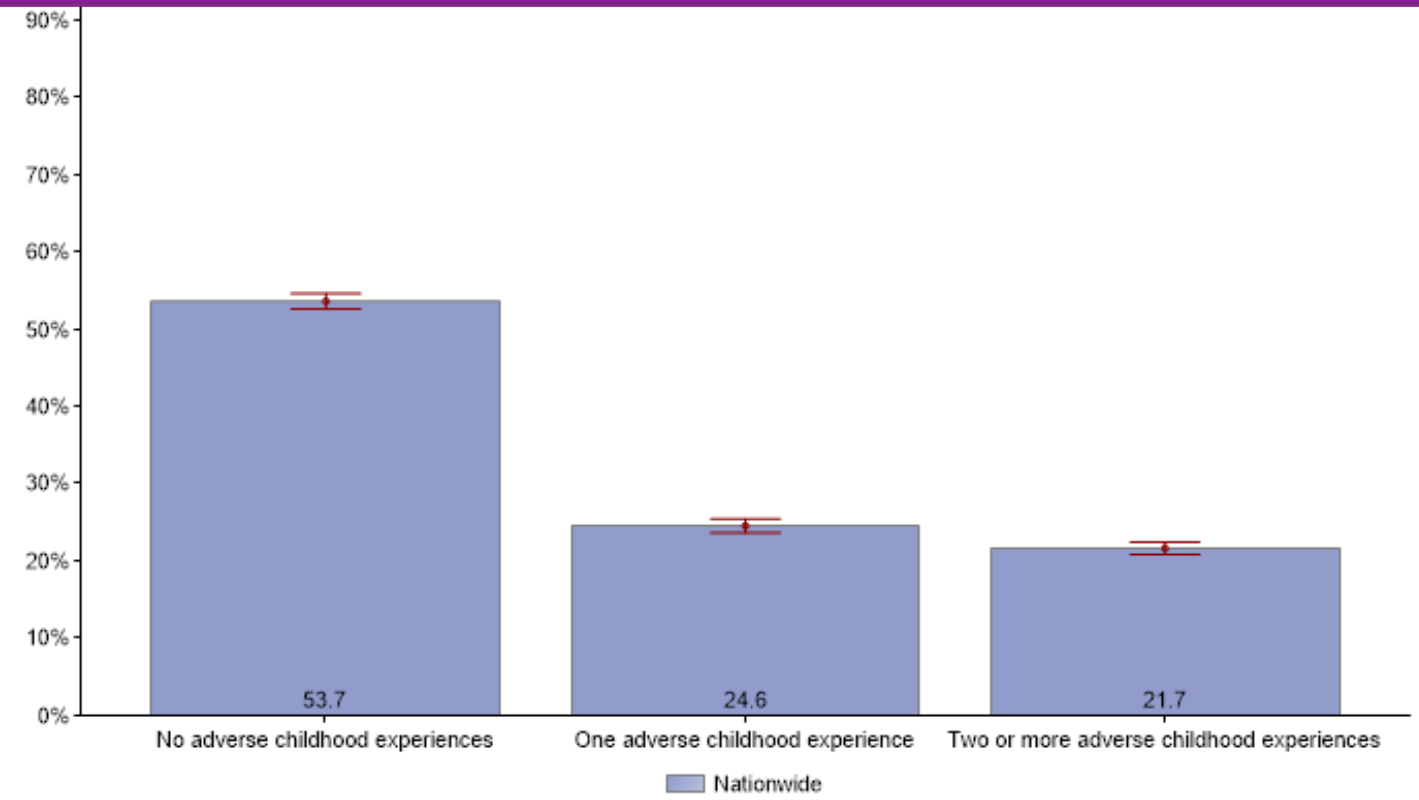
ACEs in Children & Adolescents

ACE Constructs	NatSCEV	NSCAW II	LONGSCAN	NSCH
Physical Abuse	●	●	●	
Sexual Abuse	●	●	●	
Physical Neglect	●	●	●	
Emotional Neglect	●	●		
Psychological / Emotional Abuse	●	●	●	
Caregiver Treated Violently	●	●	●	●
Household Substance Abuse	●	●	●	●
			(caregiver only)	
Household Mental Illness	●	●	●	●
			(caregiver	
Parent Separation or Divorce	●	●		●
Incarcerated Household Member	●	●	●	●

ACEs in Children & Adolescents



ACEs in Children & Adolescents



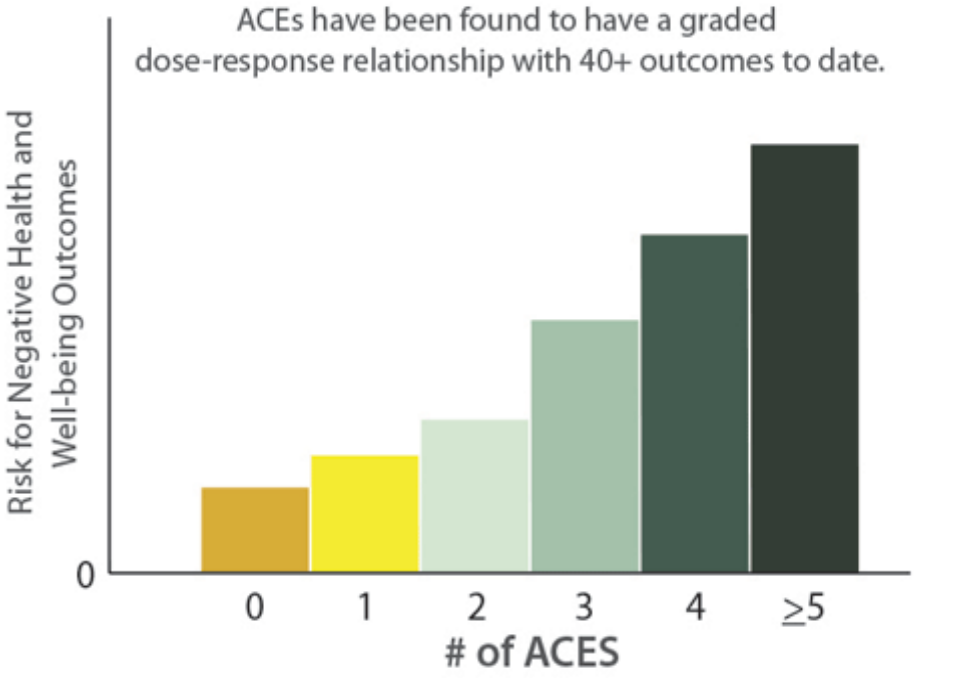
Required citation: Child and Adolescent Health Measurement Initiative. Data Resource Center for Child and Adolescent Health. 2016 National Survey of Children's Health (NSCH) data query. Retrieved [mm/dd/yy] from www.childhealthdata.org. CAHMI: www.cahmi.org.

ACES can have lasting effects on….

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

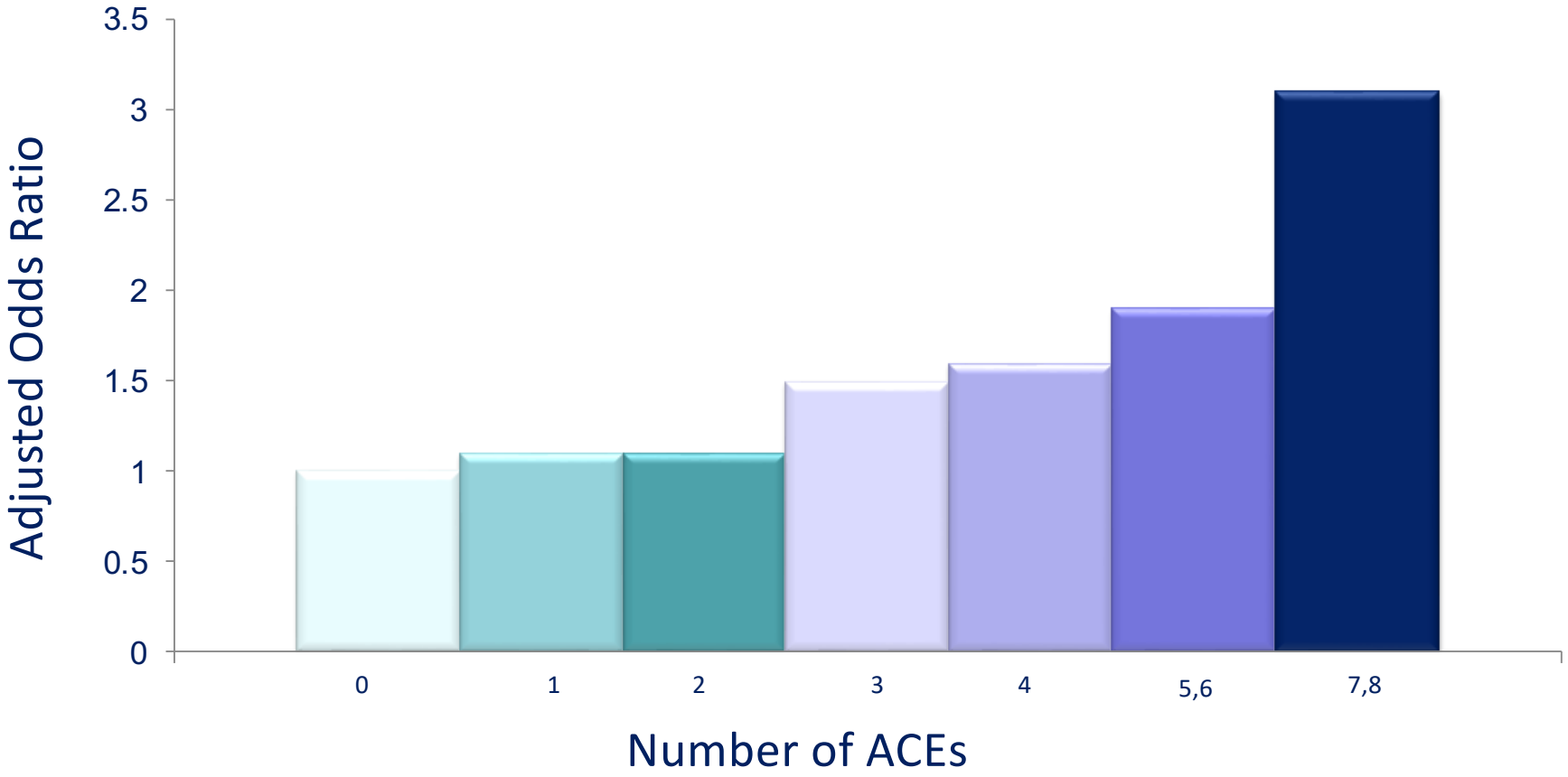
Behaviors (smoking, alcoholism, drug use)

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



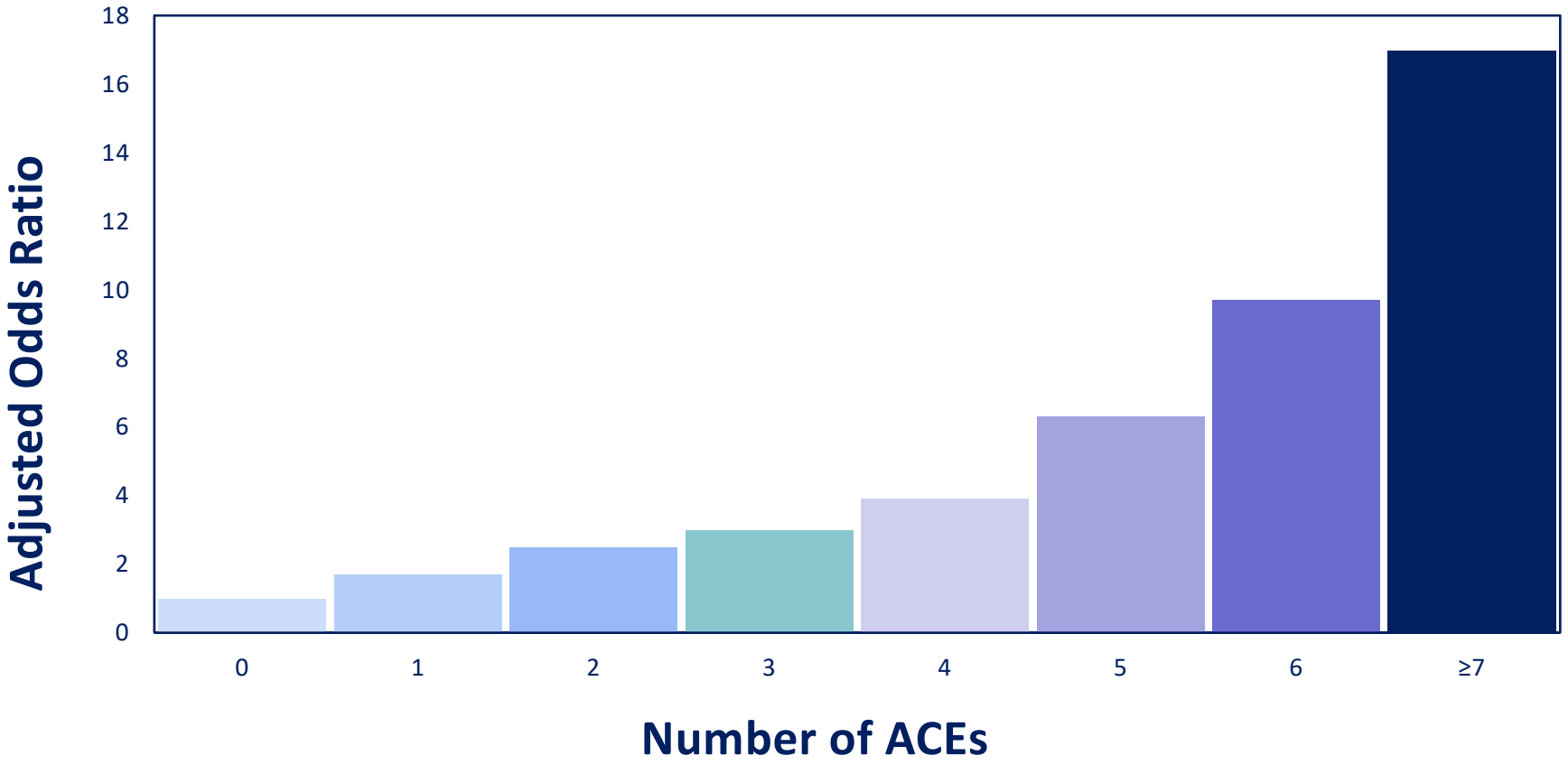
*This pattern holds for the 40+ outcomes, but the exact risk values vary depending on the outcome.

ACE Score and Cardiovascular Disease



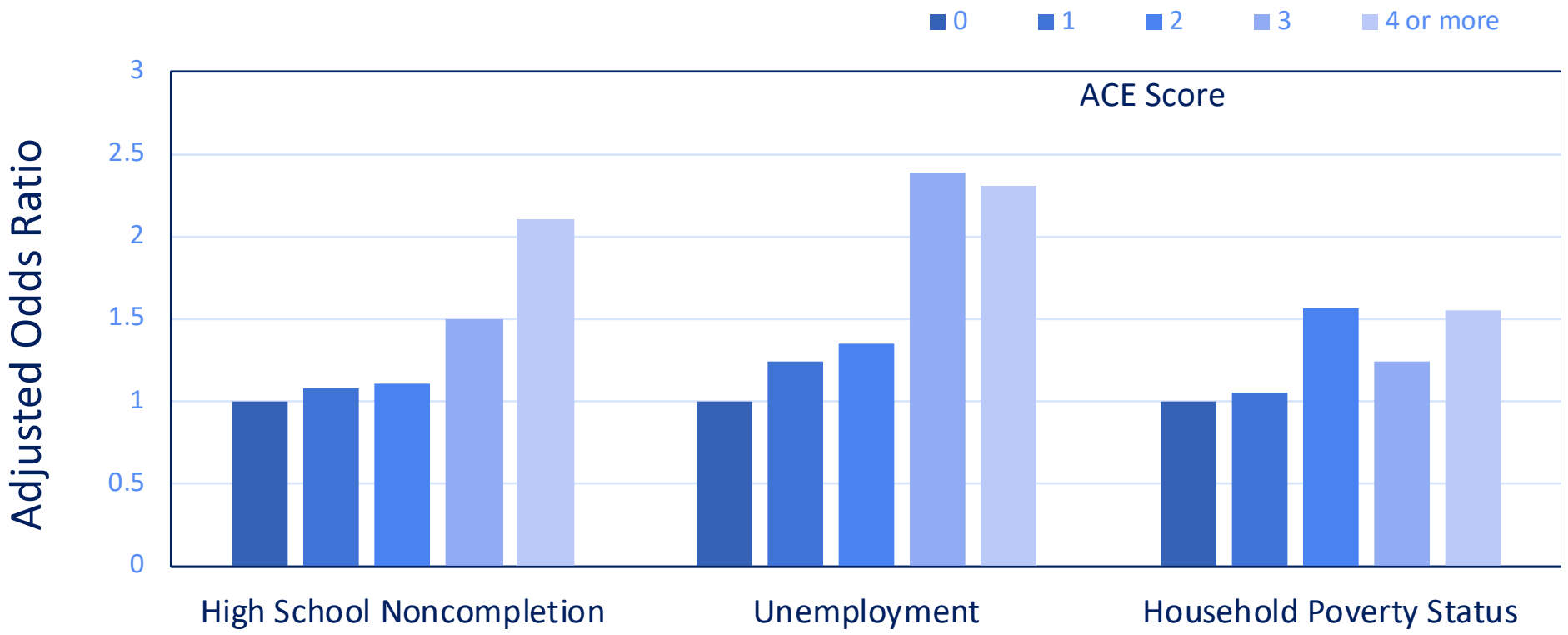
-Dong, M et al. *Circulation*. 2004;110:1761–1766.

ACE Score and Suicide Attempts

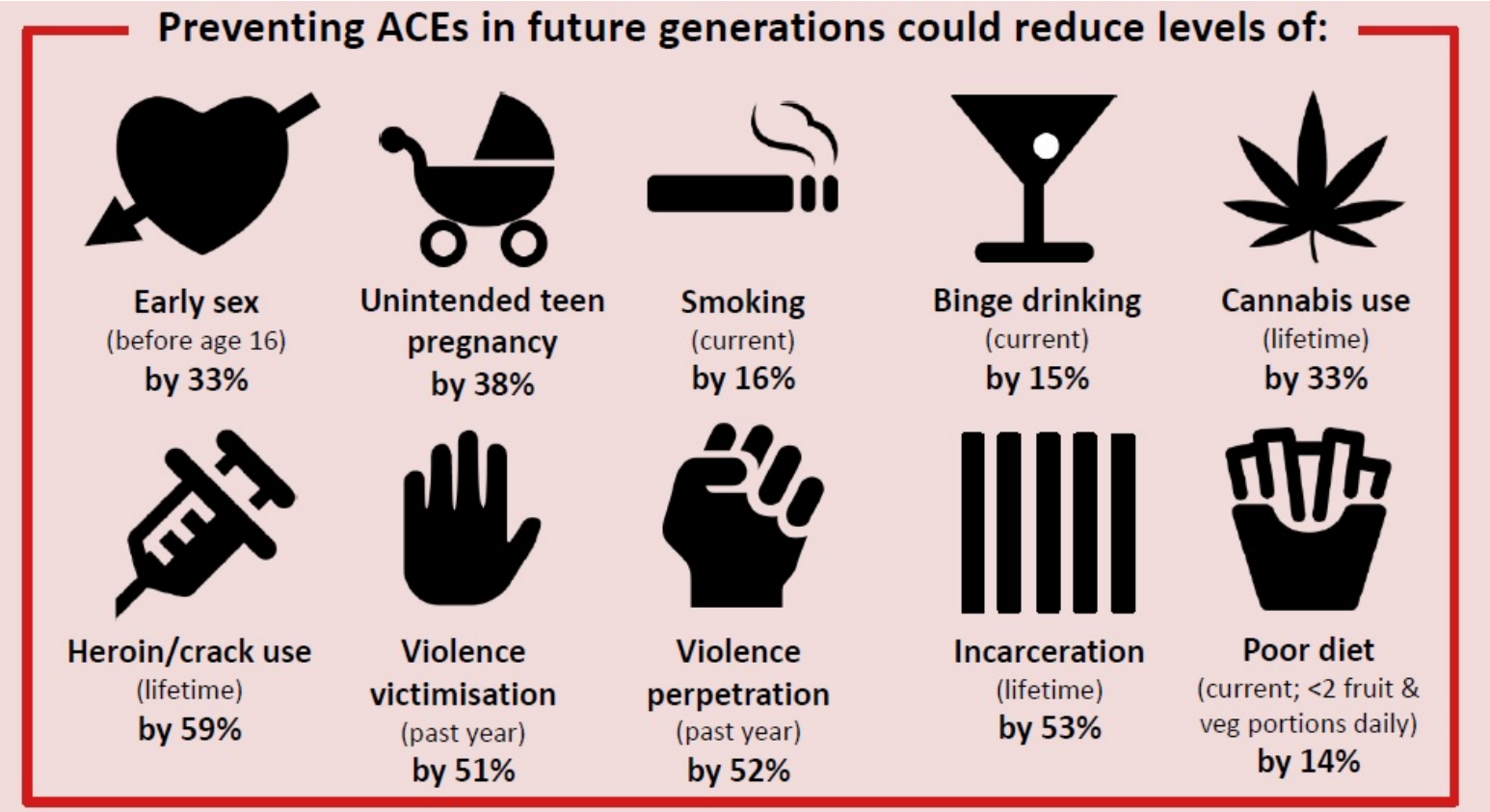


-Dube et al. *JAMA.* 2001;286:3089–3096.

ACE Score and Life Potential



The power of prevention



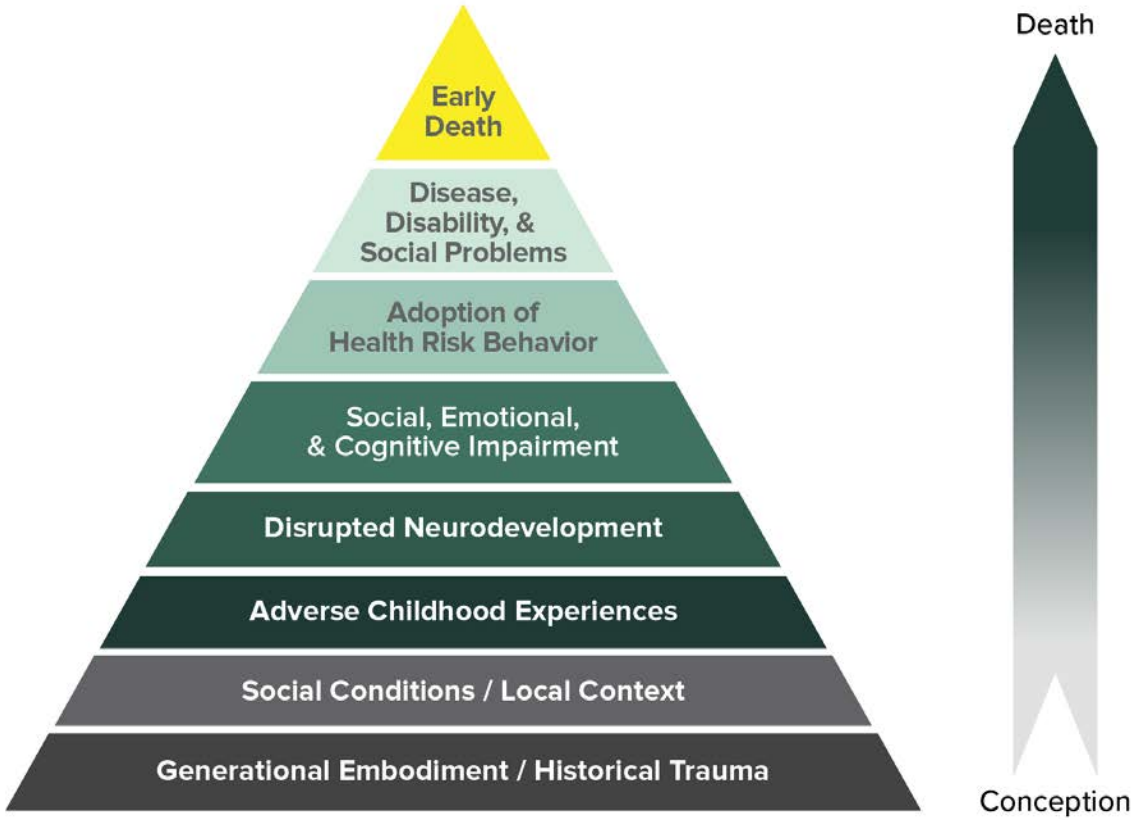
Preventing ACEs
requires understanding why
some children and families
are at greater risk than others.

THE LANCET
Public Health

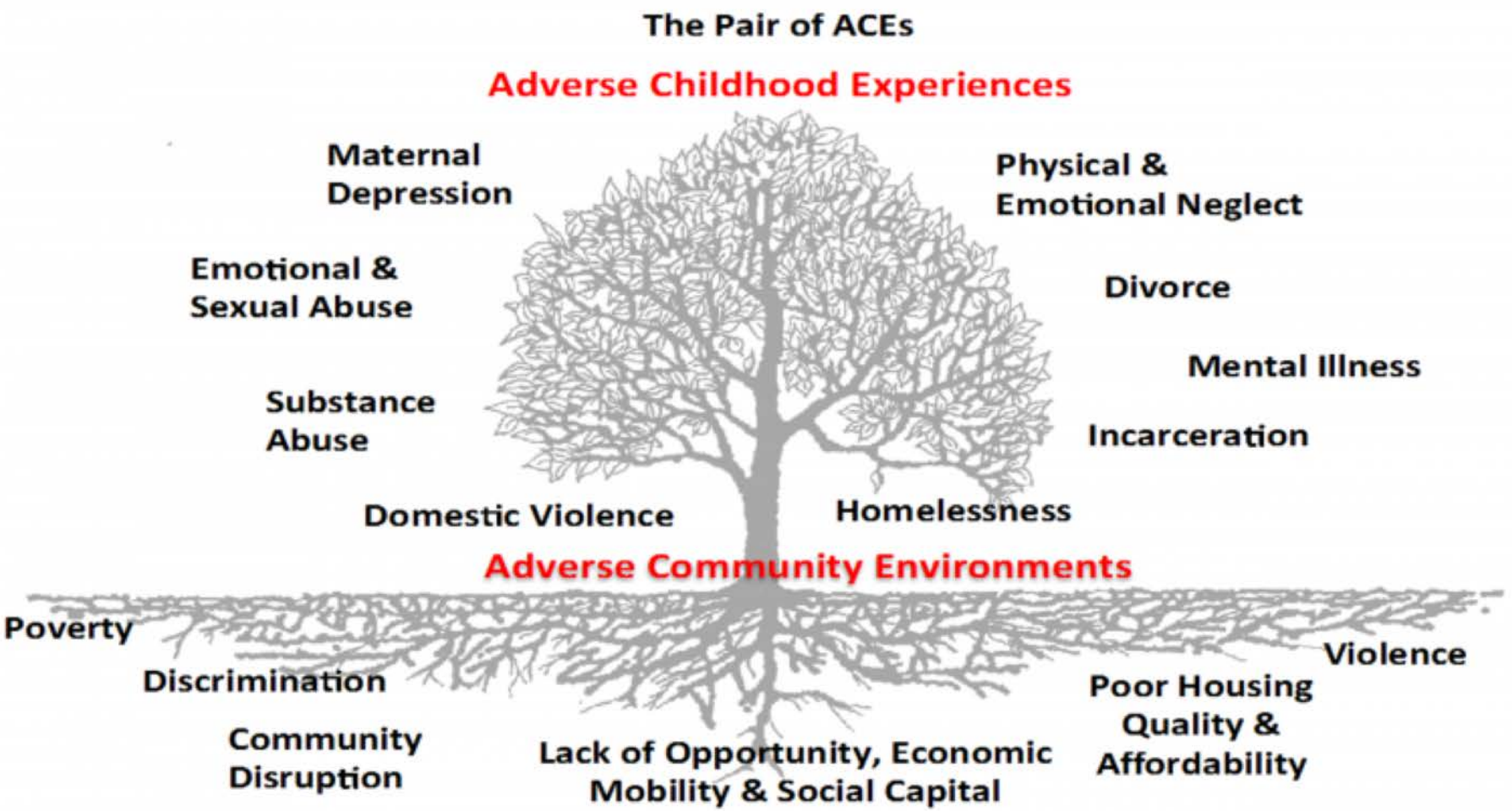
Comment

Adverse childhood experiences or adverse childhood socioeconomic conditions?

David C Taylor-Robinson, Viviane S Straatmann, Margaret Whitehead



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



Ellis, W., Dietz, W. (2017) A New Framework for Addressing Adverse Childhood and Community Experiences: The Building Community Resilience (BCR) Model. Academic Pediatrics. 17 (2017) pp. S86-S93. DOI information: 10.1016/j.acap.2016.12.011

essentials for childhood

Assuring safe, stable, nurturing relationships and environments for all children

Safe

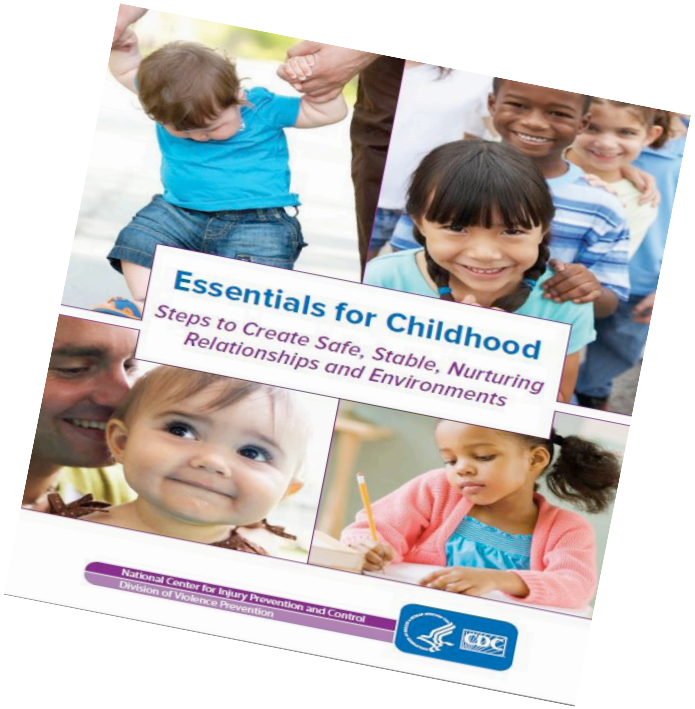
Stable

Nurturing

essentials for childhood

CDC's Essentials for Childhood Framework

- Raise Awareness and Commitment to Support Safe, Stable, Nurturing Relationships and Environments
- Use Data to Inform Action
- Create the Context for Healthy Children and Families through Norms Change and Programs
- Create the Context for Healthy Children and Families through Policies



http://www.cdc.gov/violenceprevention/childmaltreatment/essentials.html

Strategies to Prevent Child Abuse & Neglect

5

- Strengthen economic supports for families
- Change social norms to support parents and positive parenting
- Provide quality care and education early in life
- Enhance parenting skills to promote healthy child development
- Intervene to lessen harms and prevent future risk

Source: Fortson, B. L., Klevens, J., Merrick, M. T., Gilbert, L. K., & Alexander, S. P. (2016). *Preventing child abuse and neglect: A technical package for policy, norm, and programmatic activities.* Atlanta, GA: National Center for Injury Prevention and Control, Centers for Disease Control and Prevention.

Using Data to Inform Solutions: State Examples

- Wisconsin
  - Examining ACE “Hotspots”
  - Added Poverty and Neglect Items to BRFSS
  - Oversampled AI/AN Population
- Washington
  - Legislators changed the definition of work participation for TANF recipients
  - Juvenile offenders needed additional support to mitigate future adverse outcomes

Making the Case: Engaging Businesses

Resources and Tools

Violence Education Tools Online (Veto Violence) – https://vetoviolence.cdc.gov

Working together to make a difference

- Public health
- Education
- Government (local, state, federal)
- Social services
- Business/labor
- Health services
- Justice
- Housing
- Media

- Non-governmental organizations such as rape crisis centers, SV and DV coalitions

“One of the most powerful ways to change the world is to make it better for kids.”

-Jack Shonkoff

Katie A Ports, PhD
kports@cdc.gov

Visit CDC's National Center for Injury Prevention and Control web site: www.cdc.gov/ncipc

Visit the Division of Violence Prevention's ACE web site: www.cdc.gov/violenceprevention/acestudy

Visit our ACE Online Resources:
vetoviolence.cdc.gov/apps/phl/images/ACE_Accessible.pdf
vetoviolence.cdc.gov/apps/aces/

For more information, contact CDC
1-800-CDC-INFO (232-4636)
TTY: 1-888-232-6348 www.cdc.gov

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

"No Stories without Data; No Data without Stories": Connecting with Partners about the Pair of ACEs

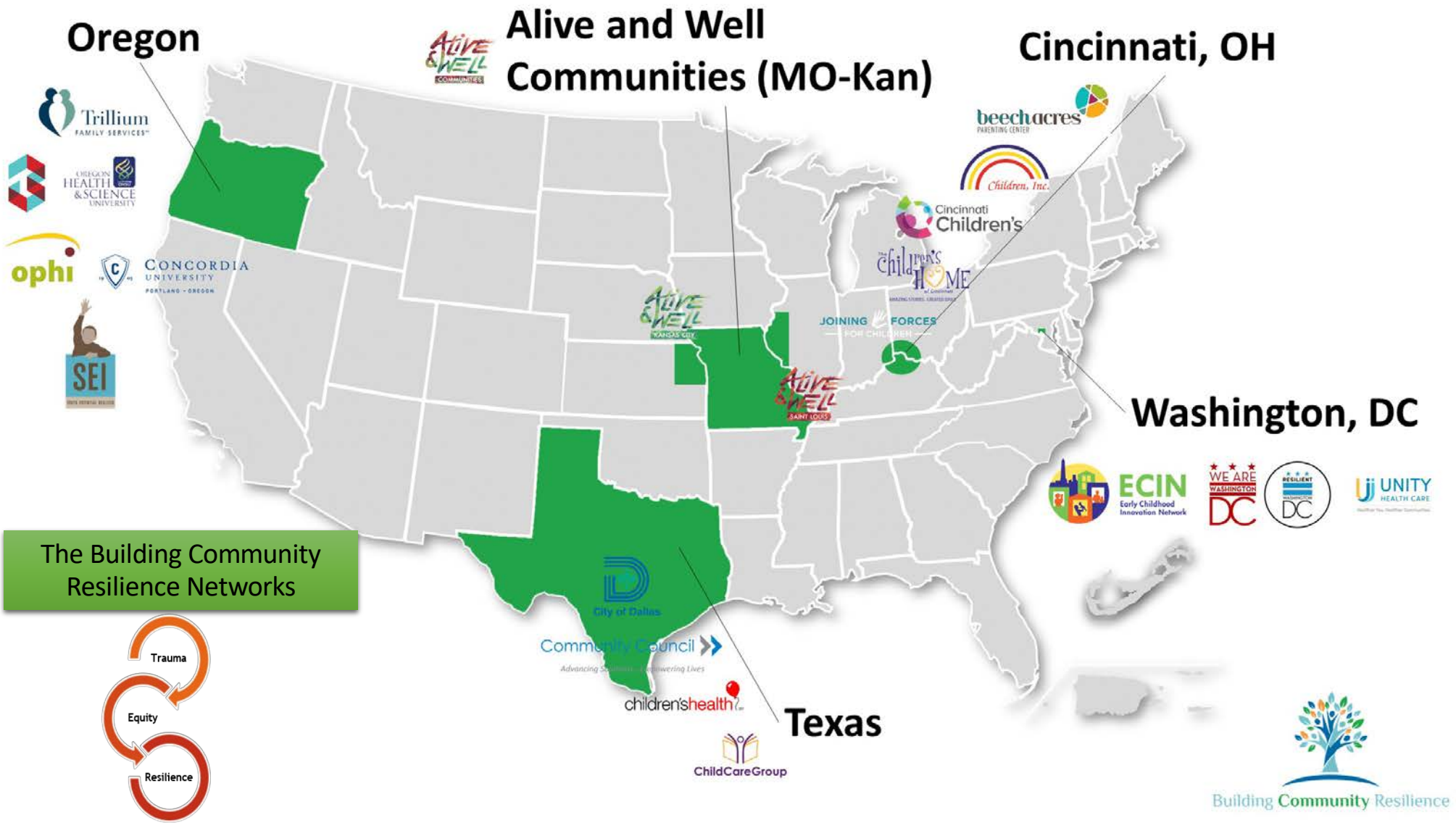
Caitlin Murphy, MPA-PNP

Project Manager, Building Community Resilience

Building Community Resilience

Milken Institute School of Public Health
THE GEORGE WASHINGTON UNIVERSITY

Sumner M. Redstone Global Center for Prevention & Wellness


Oregon
Alive and Well Communities (MO-Kan)
Cincinnati, OH
Washington, DC
Texas
The Building Community Resilience Networks
Trauma
Equity
Resilience
Building Community Resilience

BCR Tools: Making Change Happen

Shared Understanding & Language

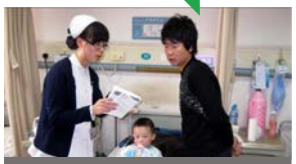
Coalition Building

Identify Community Resources

Identify and Connect New Partners

Advocacy for Practice and Policy Change

Pair of ACEs



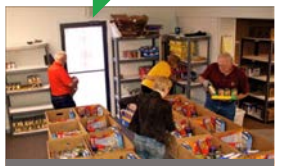
Health Care Systems

Parents

Local Funders

Justice System

Education



Faith-Based Organizations

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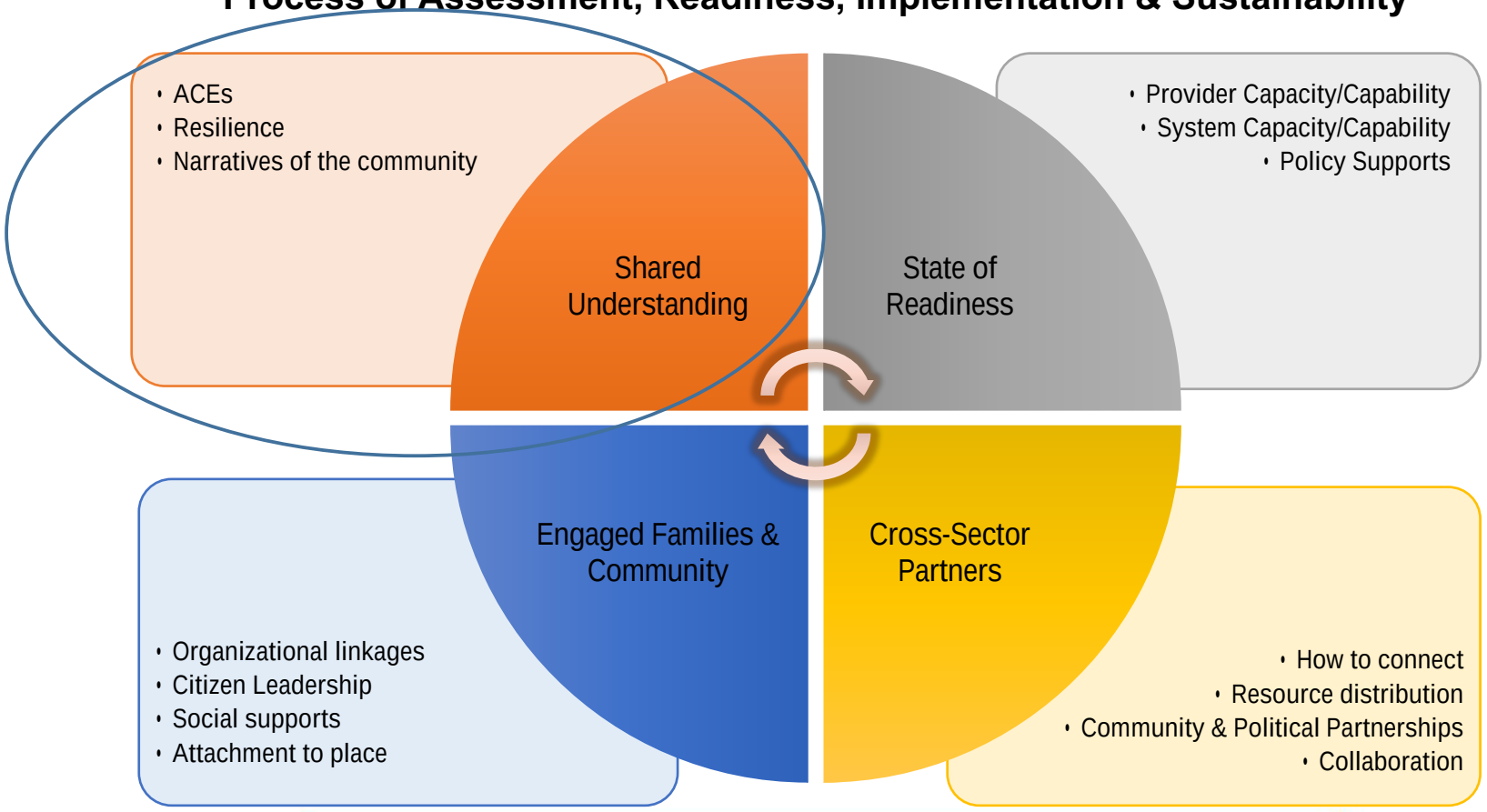
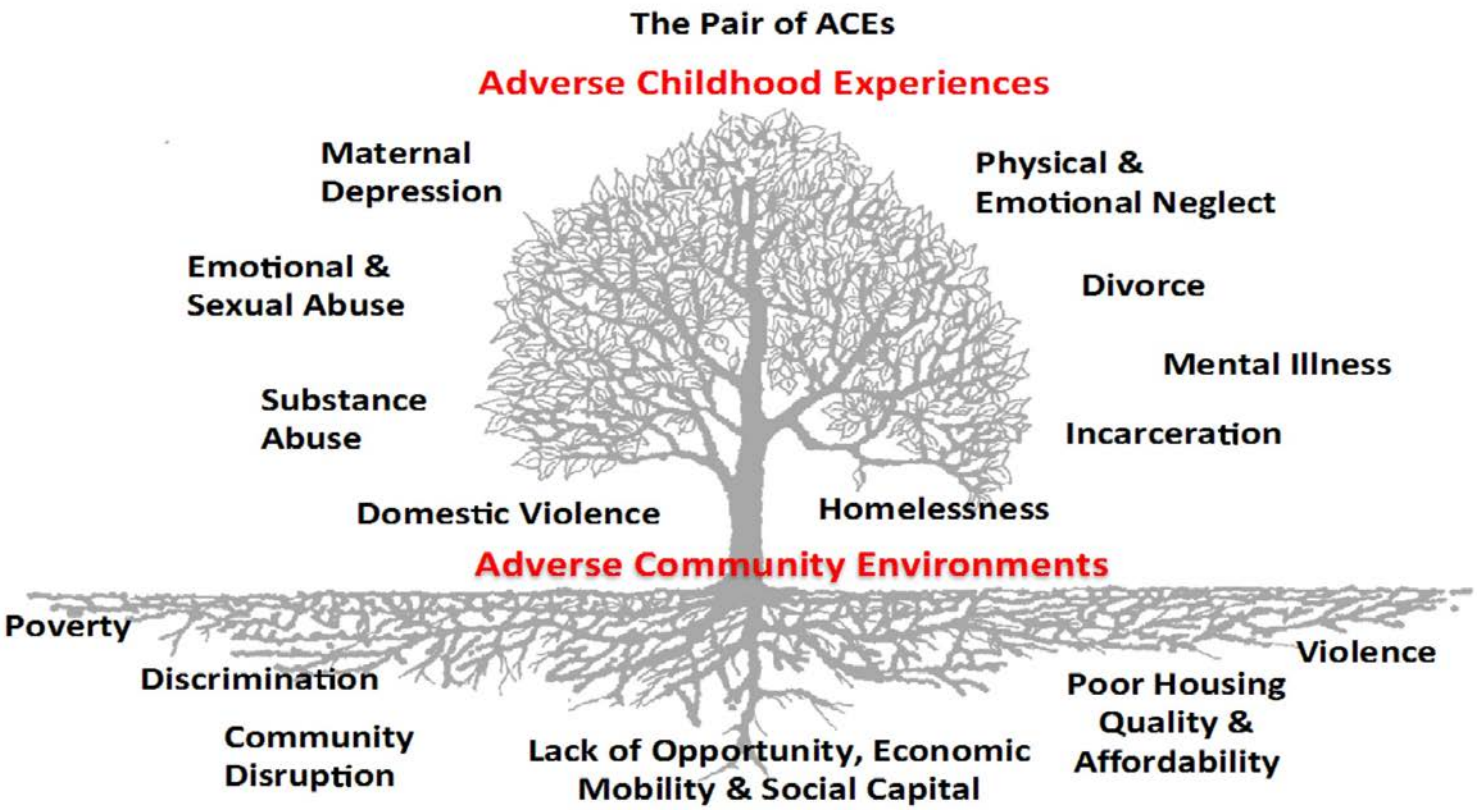
Building Community Resilience

Building Community Resilience:
Process of Assessment, Readiness, Implementation & Sustainability





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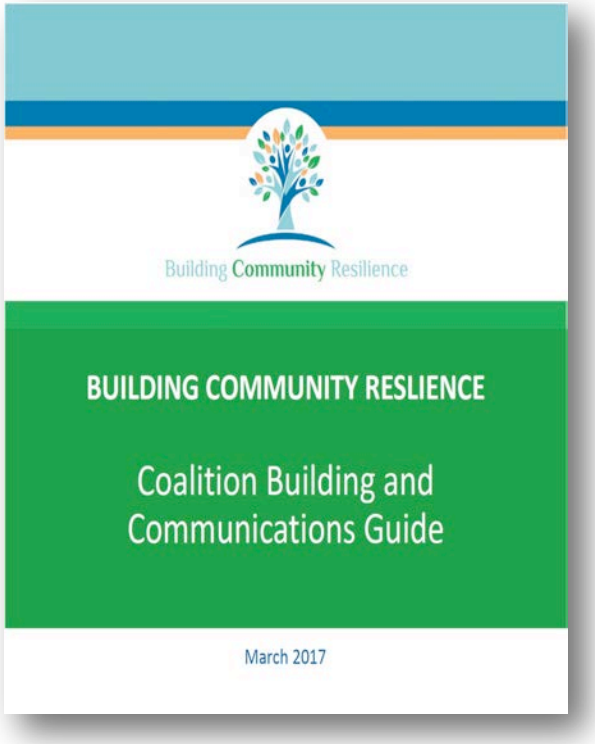
BCR Coalition Building & Communications Guide



- **Defines key terms and concepts**

ACEs, community resilience, SDH, trauma-informed care

- **Talking points**

"ACEs are an American public health problem."

"Every system or organization that touches an aspect of a child's life and family can contribute to community resilience."

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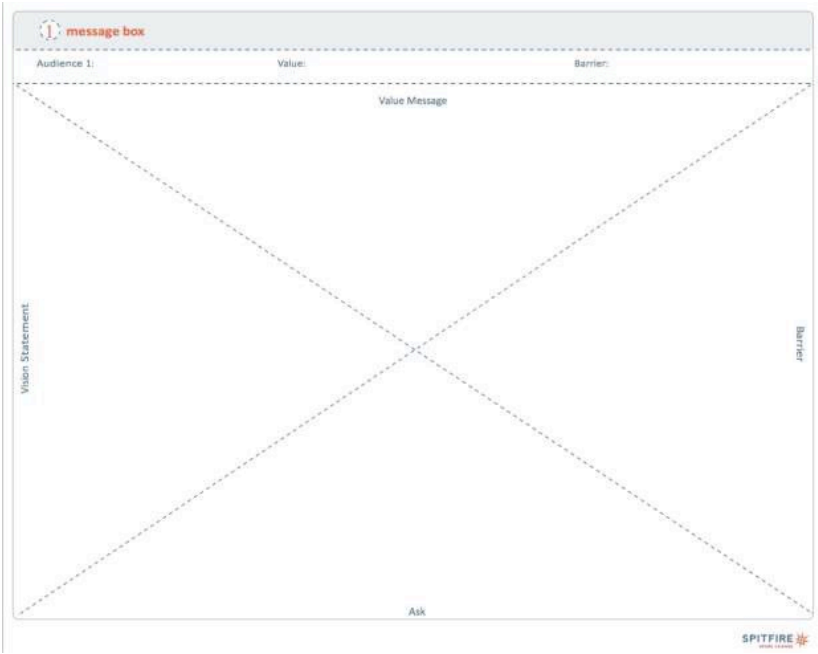
Sumner M. Redstone Global Center for Prevention & Wellness

Download the tools at go.gwu.edu/BCR

Building Community Resilience

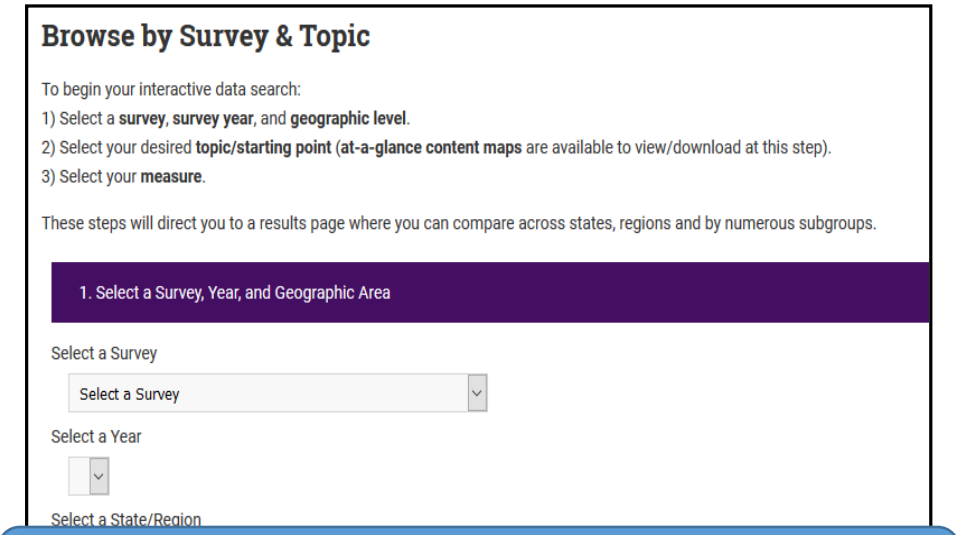
Crafting Messages for Specific Audiences



- ✓ **Smart Chart Message box*** helps articulate shared **values,** possible **barriers**, one create **ask**, and a shared **vision**
- ✓ Examples of messages for specific audiences: faith-based organizations, education, healthcare, etc.
- ✓ Guidance to connect to new possible partners

** Developed by Spitfire Strategies*

Finding Data to Help Tell Your Story



7% of children without ACEs miss over a week of school
20% of children with 2+ ACEs miss over a week of school

***Data Resource Center for Child & Adolescent Health*:**
www.childhealthdata.org

- **State-level data** on child & family ACEs, resilience, SDH, community, school, & family activities, neighborhood support, etc.
- Can select 25+ demographic topics to subgroup data by, including by **ACE exposure.**

The Annie E. Casey Kids Count Data Center:
www.datacenter.kidscount.org

- **State-level, select county and city data** on child & family economic wellbeing, education, health, community support, etc.
- Some data can be subgrouped by race/ethnicity, age, or gender.

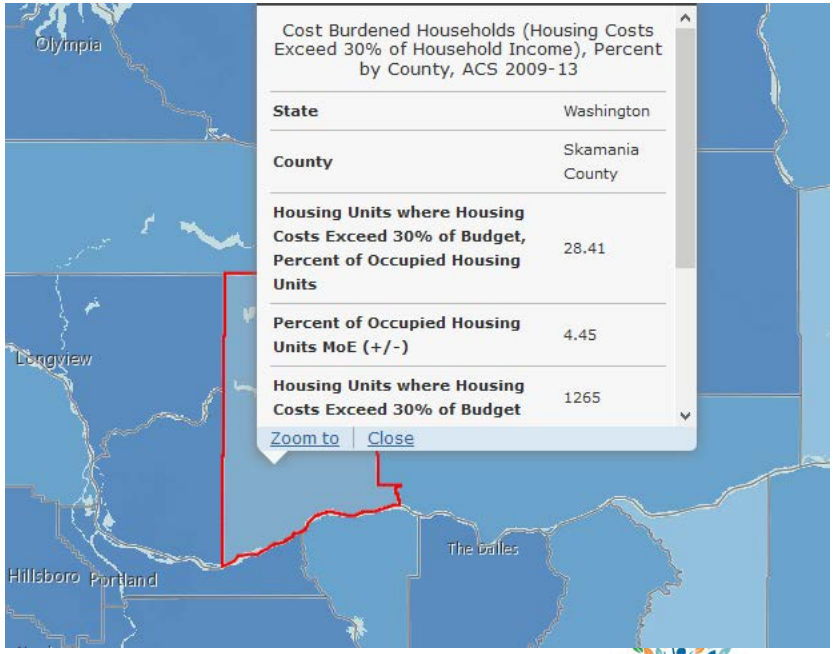
Finding Data to Help Tell Your Story

County Health Rankings:
http://www.countyhealthrankings.org/

- **County and state-level data** on community violence, drug overdoses, access to healthy foods, children in juvenile justice, foster care, etc.

Community Commons
www.communitycommons.org

- Provides **county-level data** on topics such as unsafe housing, unaffordable housing, grocery store access, etc.
- Can pull data from long list of publically available data sources, will display data on maps



Communicating those Data…

Making the Scope Accessible:

- ✓ Consider selecting a **reference point** commonly known within your community
- ✓ *For example: "the number of children in our city who have experienced two or more traumatic experiences would fill up our XYZ stadium three times".*

Highlighting the Inequity of Impact:

- ✓ Several data sources allow users to **break data down by race/ethnicity, income, SHCN, etc**.
- ✓ *For example: highlight the % of children of color, % of low-income children, or % of CSHCN in your state impacted by ACEs, as compared to all children.*

Communicating those Data…

Know Your Audience:

- ✓ Think about what topics would persuade your audience, and explore the data which exist on these topics.
- ✓ Ex: for education champions, **explore education indicators which exist** (missed school days, school readiness).

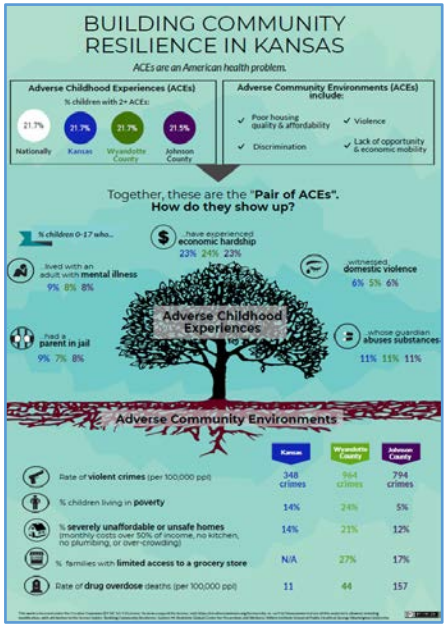
No Data Without Stories:

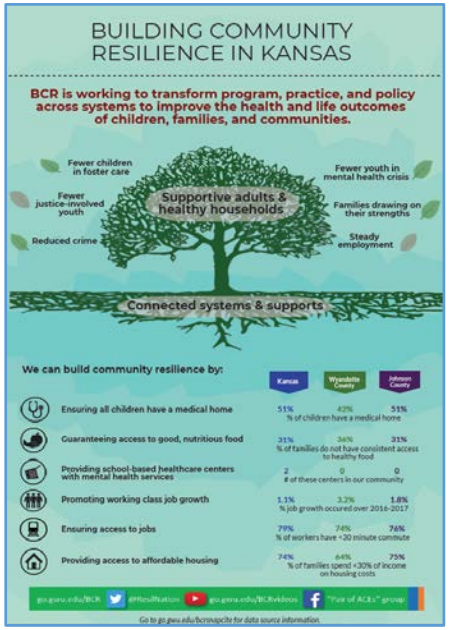
- ✓ Decisions are usually made on an **emotional level, and data are then used to rationalize these decisions**.
- ✓ Therefore ***…data should always be tied to personal stories.***

Using Simple Visuals:

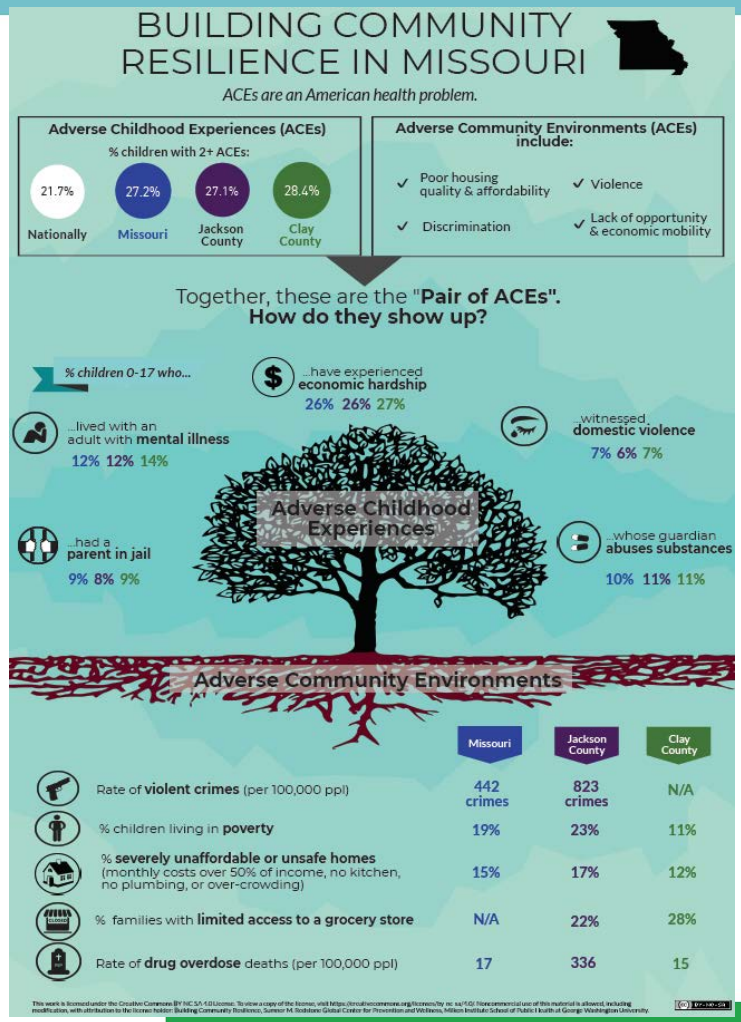
- ✓ Find a way to discuss your data simply – if it's not distracting, consider using a graphic to illustrate your point.

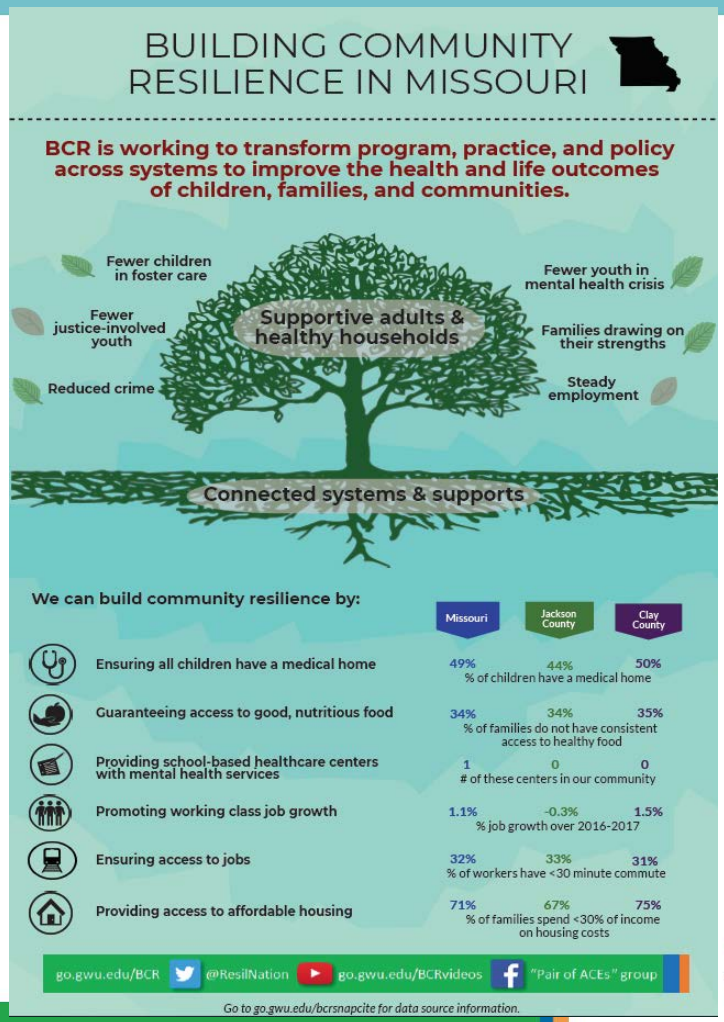
Using Data & Visuals to Tell Your Story





- **Visuals** draw new partners in; make complex ideas more accessible.
- Power in telling both an adversity and a **resilience story.**
- **Examples and templates at go.gwu.edu/bcr.**





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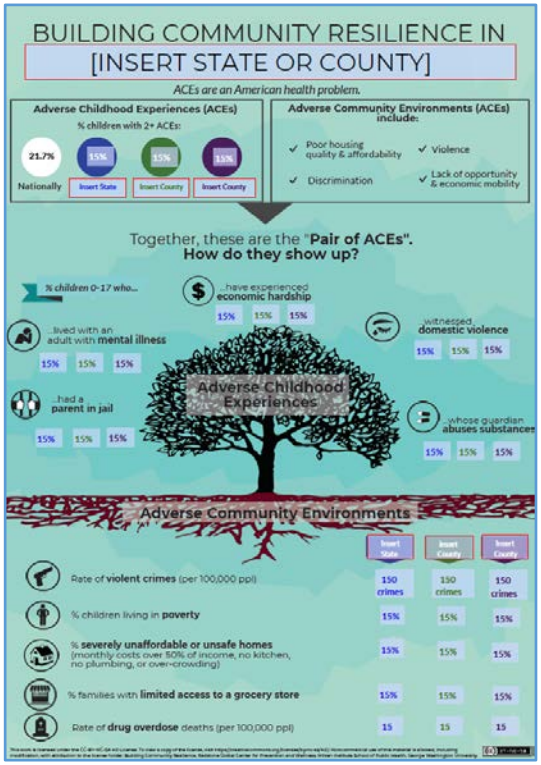
Examples and templates at go.gwu.edu/bcr.

Building Community Resilience

How Do I Customize this to My Community?

- A free, customizable version of this infographic is available at go.gwu.edu/bcrinfographicdata
- Templates are fillable **PDF forms** with space to include your state and county data
- **All BCR tools are available at go.gwu.edu/bcr.**



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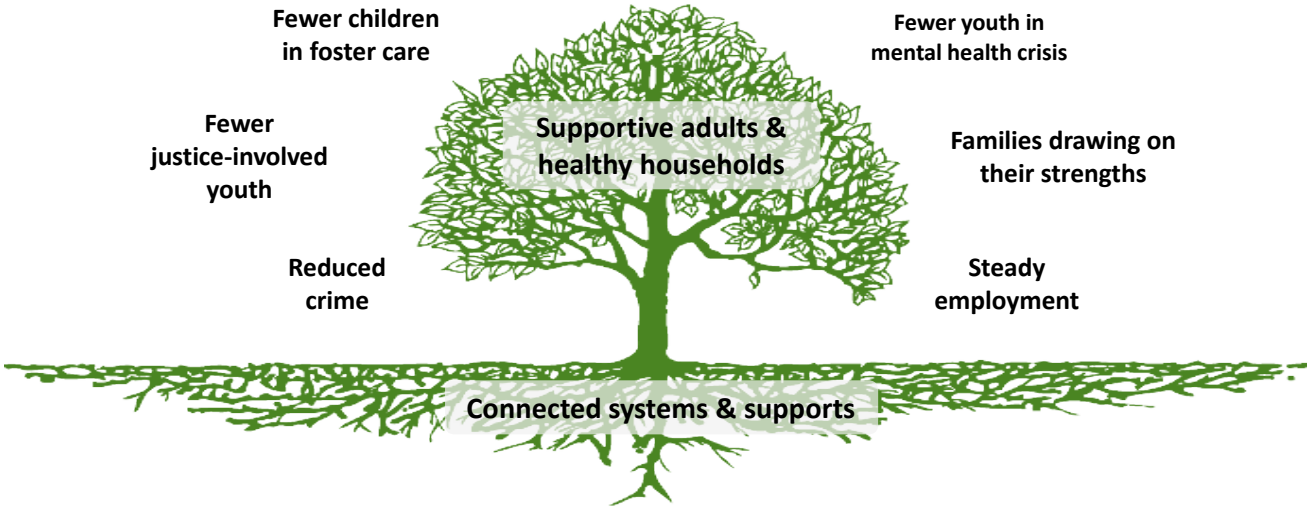
Building Community Resilience

What Resilience Looks Like

BCR is working to transform programs, practices, and policies across systems to improve the health and life outcomes of children, families, and communities.



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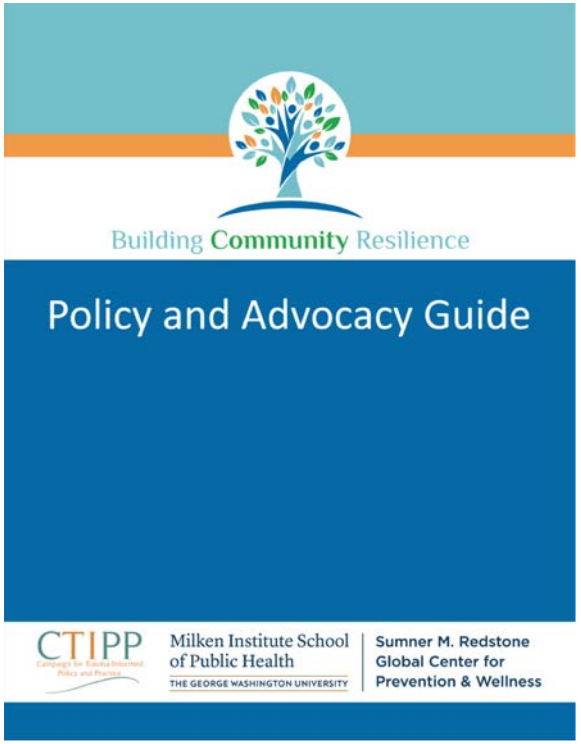
Examples and templates at go.gwu.edu/bcr.

Building Community Resilience

BCR Policy & Advocacy Guide



Delivering Your Message

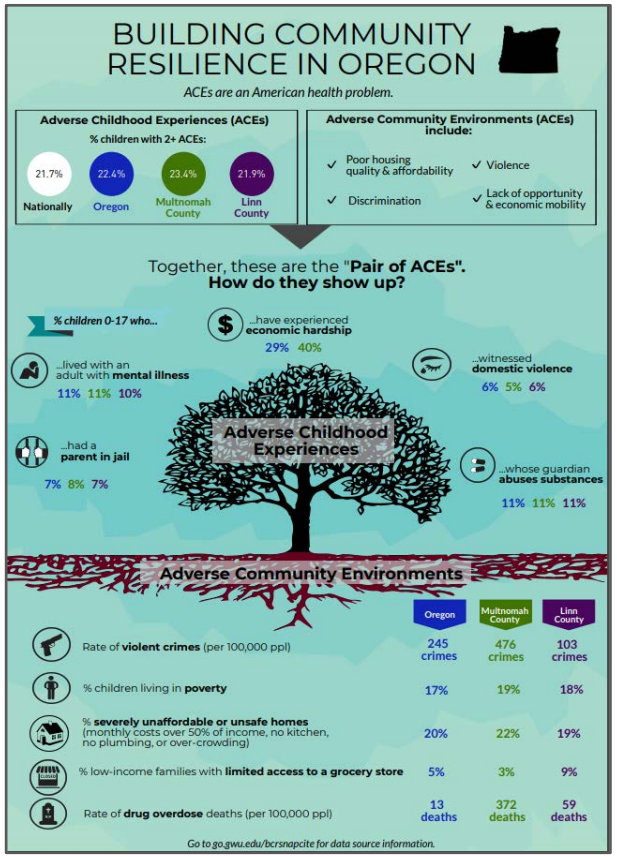
Remember: Politicians love stories, especially about constituents; but staff need the data. Make sure you are speaking to both audiences.

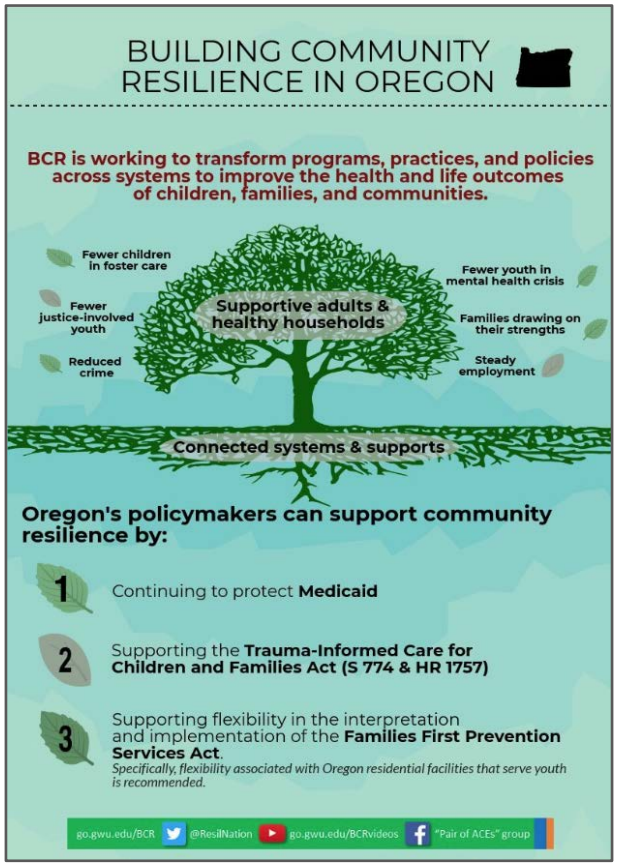
1) **Issue Statement**

2) **Hook** → ***In the schools we're working in, attendance and test scores are up since we co-located mental health services and made our school trauma informed. Let me tell you a story about a student named John…"***

3) **Solution** → ***Our program is reducing absenteeism in our schools, but its reach is limited to our school…***

4) **Ask**





Policy version of the template is available at go.gwu.edu/bcrinfographicpolicy.

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Building Community Resilience

Questions?

Caitlin Murphy, MPA-PNP
Project Manager, BCR
cmurphy26@gwu.edu

go.gwu.edu/bcr

Building Community Resilience

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go.gwu.edu/BCR @ResilNation Search for "Pair of ACEs"

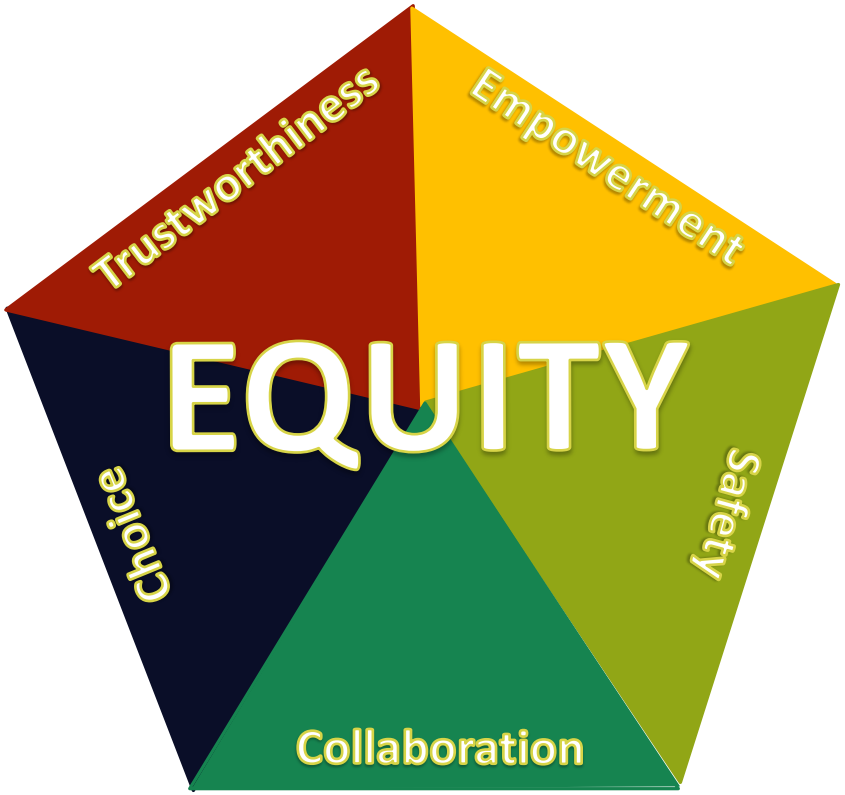
Using Data to Engage Stakeholders

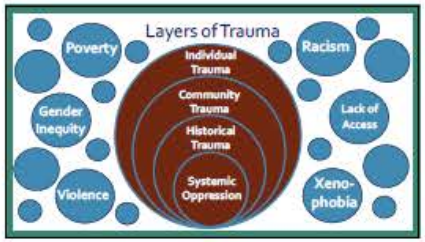
Alive and Well Communities **activate communities to heal**.

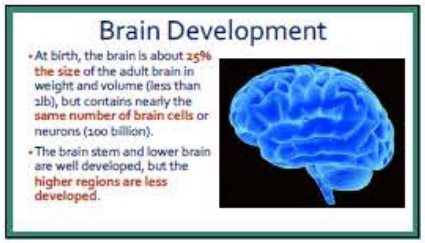
We do this by:

- **Elevating community wisdom**, centering those who have experienced trauma as leaders of the work.
- **Disrupting systemic oppression** and responding to the impact of historical trauma.
- **Acting with urgency**, not waiting for another day or generation.
- **Leading innovative solutions** based on the science of trauma, toxic stress and resiliency.

The Core Principles







Pair of ACEs used beginning in introductory Trauma Awareness trainings with all sectors, including our monthly community trainings.

Adverse Childhood Experience (ACE) Study

Without intervention, adverse childhood events (ACEs) may result in long-term disease, disability, chronic social problems and early death. Importantly, intergenerational transmission that perpetuates ACEs will continue without implementation of interventions to interrupt the cycle.

Adverse Childhood Experiences

- Abuse of Child
  - Psychological abuse
  - Physical abuse
  - Sexual abuse
- Trauma in Child's Household Environment
  - Substance Abuse
  - Parental separation &/or Divorce
  - Mentally ill or suicidal Household member
  - Violence to mother
  - Imprisoned household member
- Neglect of Child
  - Abandonment
  - Child's basic physical &/or Emotional needs unmet

Impact of Trauma & Adoption of Health Risk Behaviors

Neurobiologic Effects of Trauma

- Disrupted neuro-development
- Difficulty controlling anger
- Hallucinations
- Depression
- Panic reactions
- Anxiety
- Multiple (6+) somatic problems
- Impaired memory
- Flashbacks

Health Risk Behaviors

- Smoking &/or Drug abuse
- Severe obesity
- Physical inactivity
- Self Injury &/or Suicide attempts
- Alcoholism
- 50+ sex partners
- Sexually transmitted disease
- Repetition of original trauma
- Eating Disorders
- Dissociation
- Perpetrate domestic violence

Long-Term Consequences Of Unaddressed Trauma

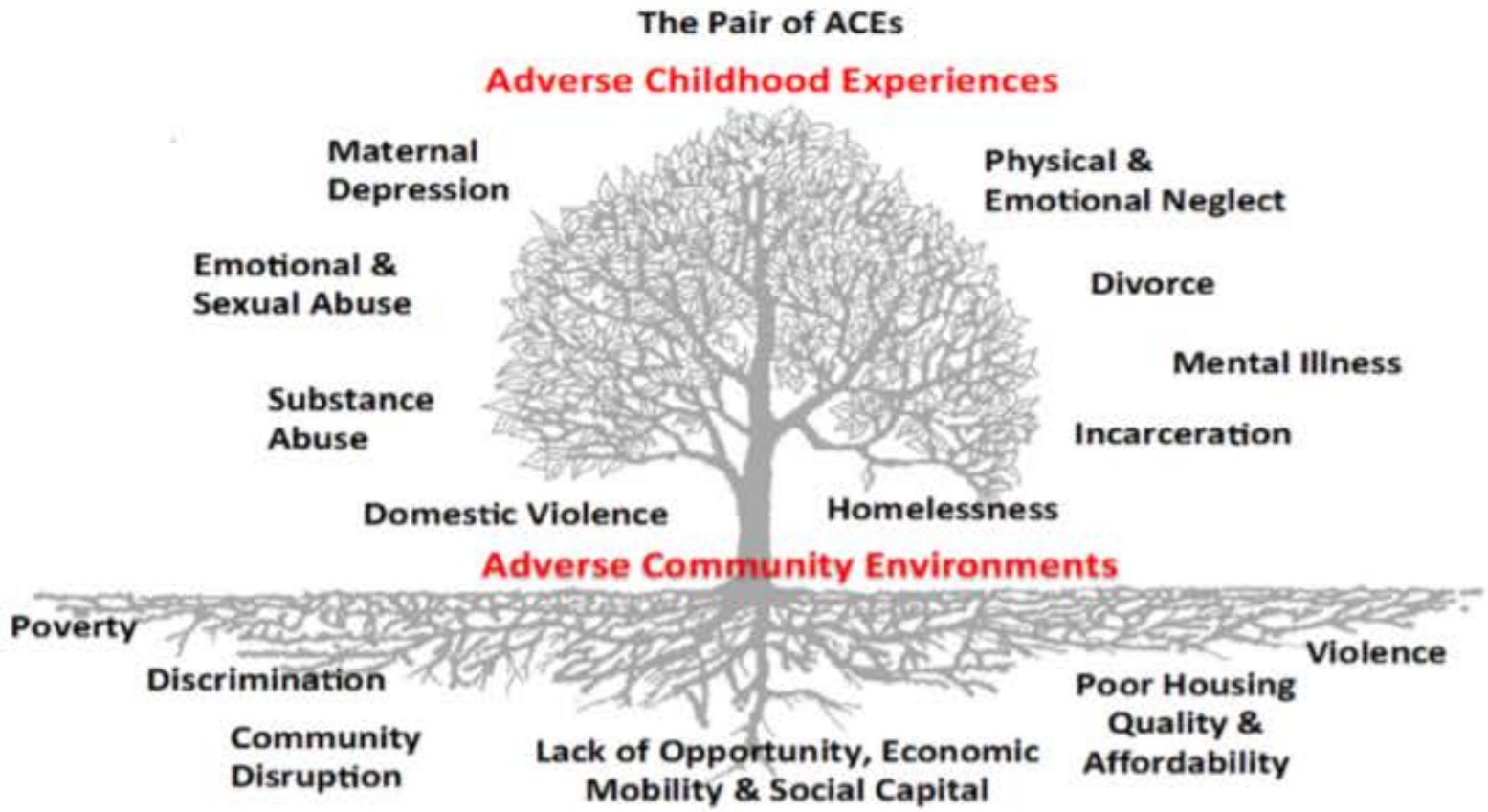
Disease & Disability

- Ischemic heart disease
- Cancer
- Chronic lung disease
- Chronic emphysema
- Asthma
- Liver disease
- Skeletal fractures
- Poor self rated health
- HIV/AIDS

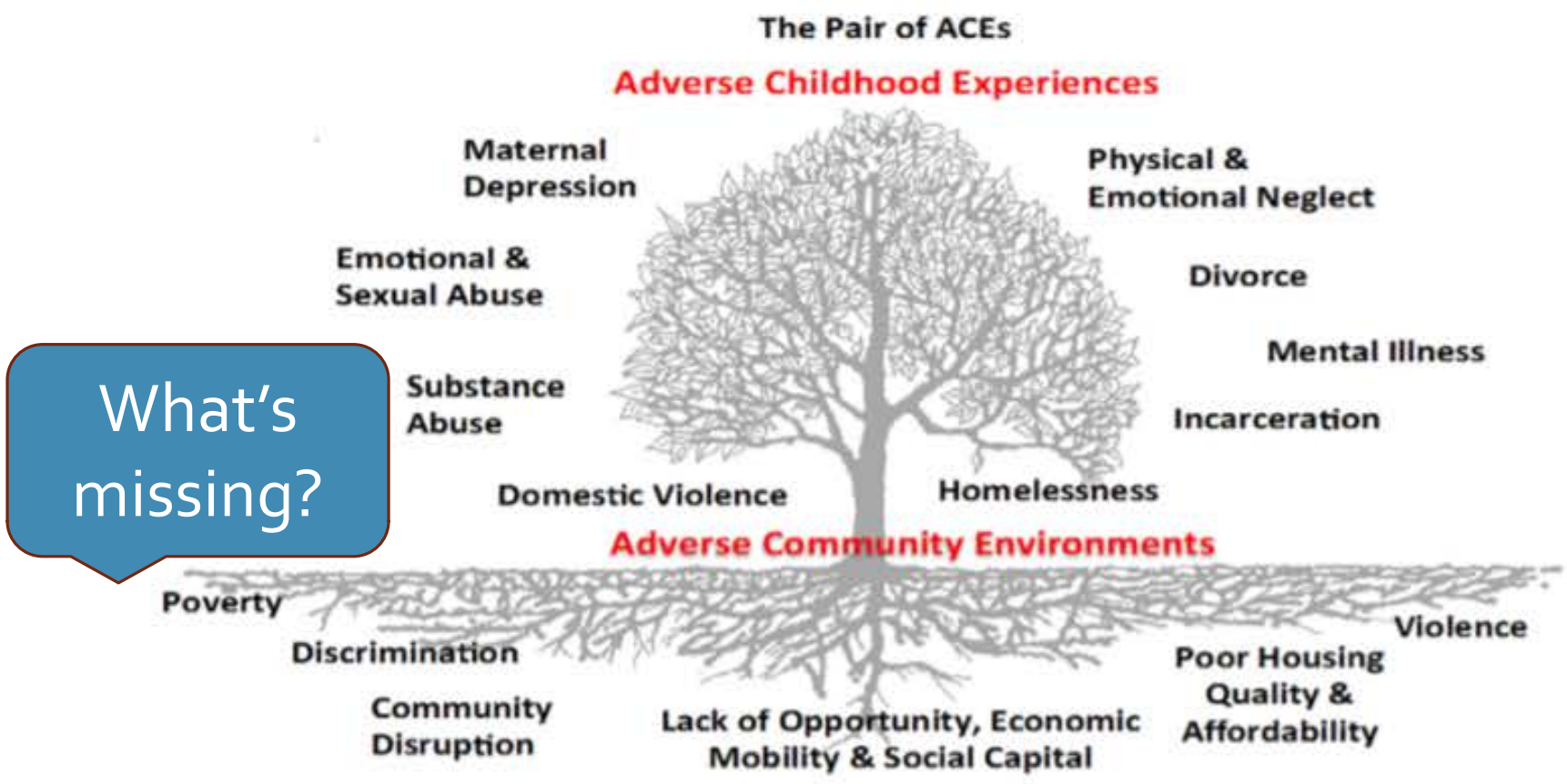
Social Problems

- Homelessness
- Prostitution
- Delinquency, violence & criminal Behavior
- Inability to sustain employment-
- Re-victimization: rape; domestic Violence
- Inability to parent
- Inter-generational transmission Of abuse
- Long-term use of health & social services

Adapted from presentation Jennings (2006). The Story of a Child's Path to Mental Illness.



Ellis, W., Dietz, W. (2017) A New Framework for Addressing Adverse Childhood and Community Experiences: The Building Community Resilience (BCR) Model. Academic Pediatrics. 17 (2017) pp. S86-S93. DOI information: 10.1016/j.acap.2016.12.011



What's missing?

Ellis, W., Dietz, W. (2017) A New Framework for Addressing Adverse Childhood and Community Experiences: The Building Community Resilience (BCR) Model. Academic Pediatrics. 17 (2017) pp. S86-S93. DOI information: 10.1016/j.acap.2016.12.011

What's in our soil?

Using the Pair of ACES to Build, Connect, & Activate

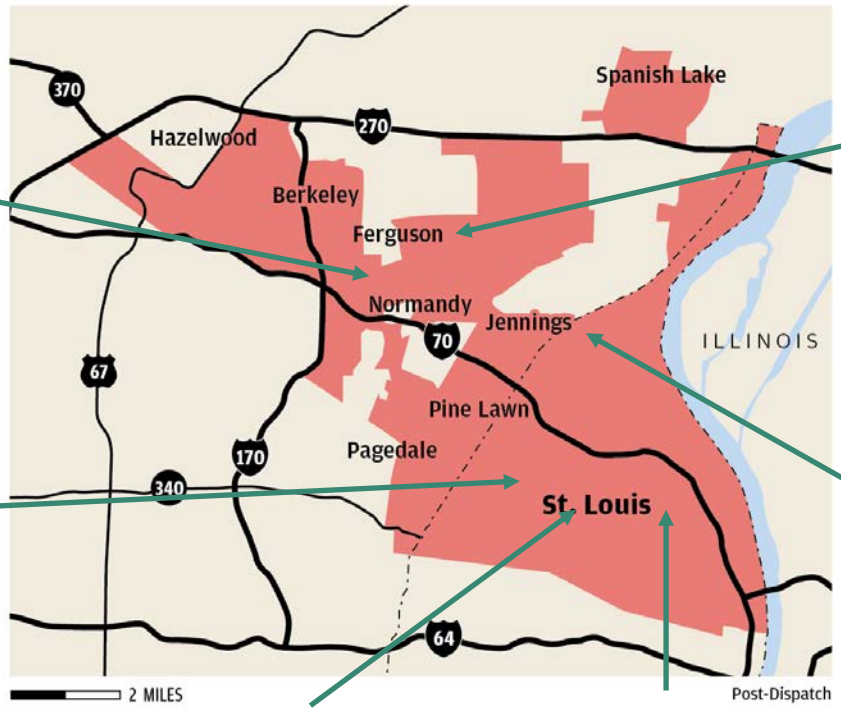
- Ambassador Orientations
- Trauma Awareness Trainings
- Steering Committee
- Learning Collaboratives (Justice, Health, & Education)

Examples of Impact

- Highlights Community Trauma
- Encourages Difficult Conversations – What's in your soil?
- Identifies Commonalities
- Exposes Inequities
- Advances Conversations around Equity

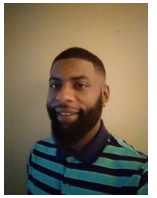
Tina Mosley
Normandy and
24:1 Community

Dionne Ferguson
The Academy
Neighborhood



Steve Parish
The Ville

LaChrisa Crenshaw
College Hill, Hyde Park, University
City and Jeff-Vander-Lou



Phillip Brooks
Ferguson and
Dellwood

Aja Owens
Jennings

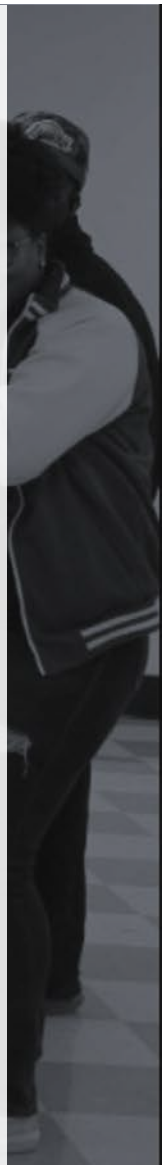
What We've Heard: Community Consultants' Evaluation Report

94% of the interviewees described an actual behavior change that improved their own emotional wellbeing and/or that of someone else

The most frequent behavior changes mentioned included improving self-care practices and recommending the workshop to friends and family

68% of interviewees reported a change in attitude about someone they know who has experienced toxic stress and/or trauma

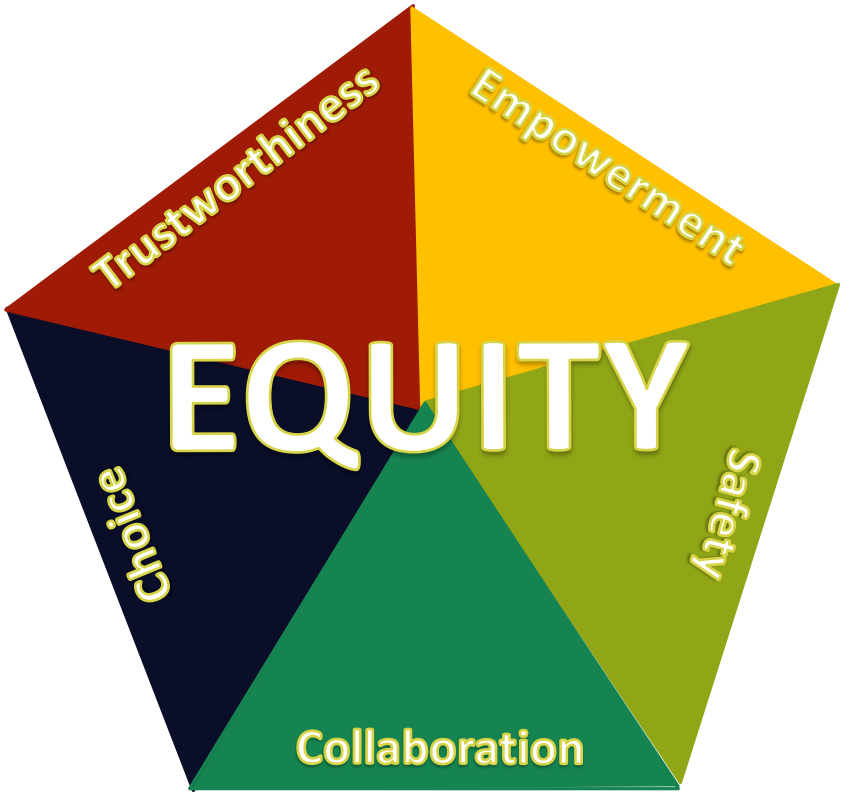
Of those who did not endorse a change in attitude, 50% said that their attitude had already been positive before the workshop, but their existing attitudes and knowledge were reinforced by the CEWs



Building Momentum

Build	Building an Equity Lens
Connect	Engaging Stakeholders in Action Planning
Activate	Developing a Policy Agenda

The Core Principles



www.awcommunities.org

QUESTIONS FOR ALL PRESENTERS

- PLEASE ENTER YOUR QUESTIONS INTO THE CHAT BOX

A PAIR OF ACES FOR INJURY AND VIOLENCE PREVENTION WEBINAR *SERIES*

- LISTEN TO WEBINAR 1, INTRODUCING THE PAIR OF ACES TO INJURY AND VIOLENCE PREVENTION AT THIS LINK HTTPS://BIT.LY/2BRVFML
- TUNE IN TO WEBINAR 3: APPLYING PAIR OF ACES TO INJURY PREVENTION PRACTICE FEBRUARY 14, 3:00-4:30 EST