

# Early Childhood Experiences and Lifelong Implications

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# Vision: A Healthy and Equitable Society



# Our Distinction

Aggregating



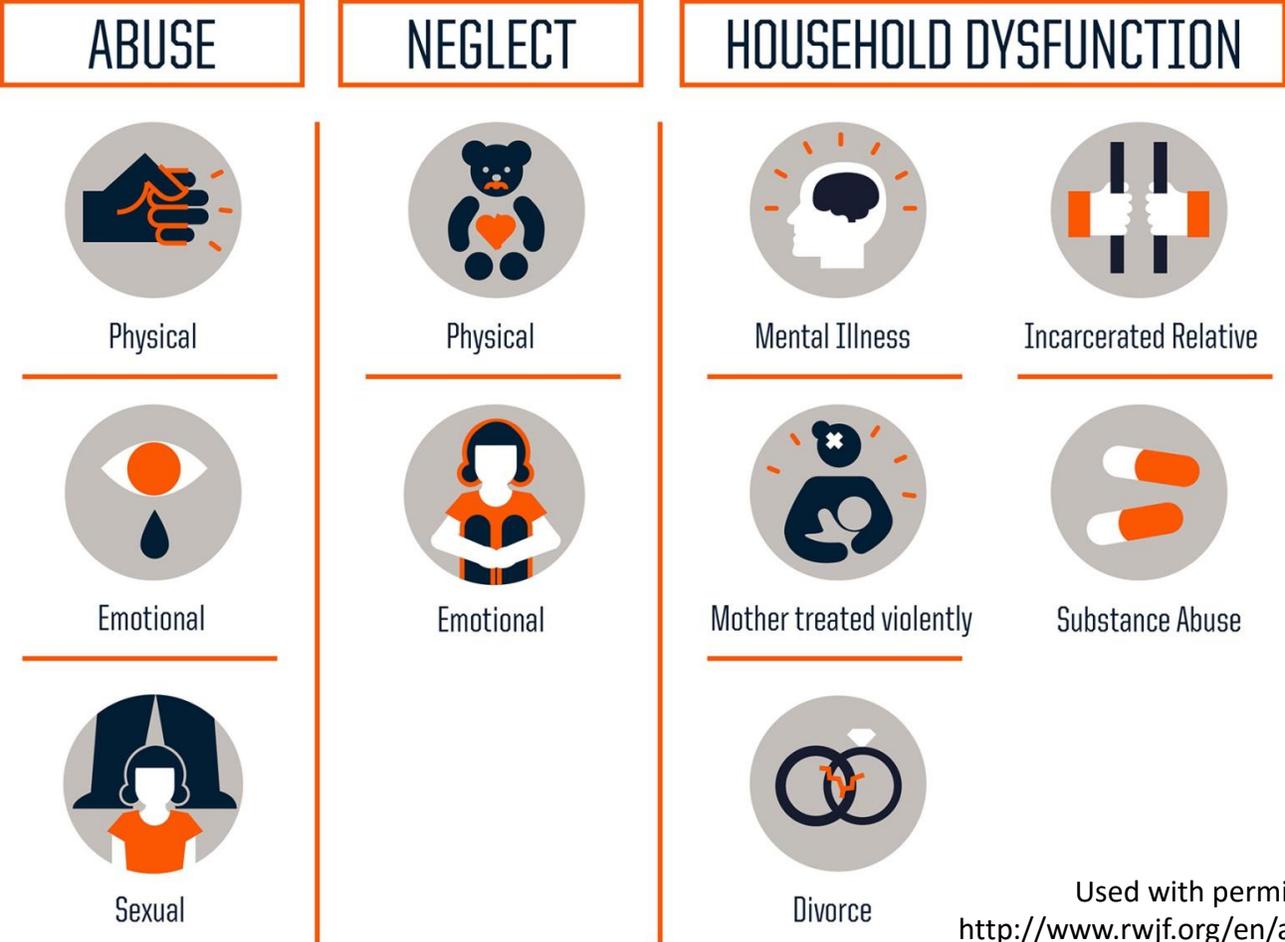
Incubating



Accelerating



# Types of ACEs



Used with permission from Robert Wood Johnson Foundation  
<http://www.rwjf.org/en/about-rwjf/newsroom/infographics/the-truth-about-aces.html>

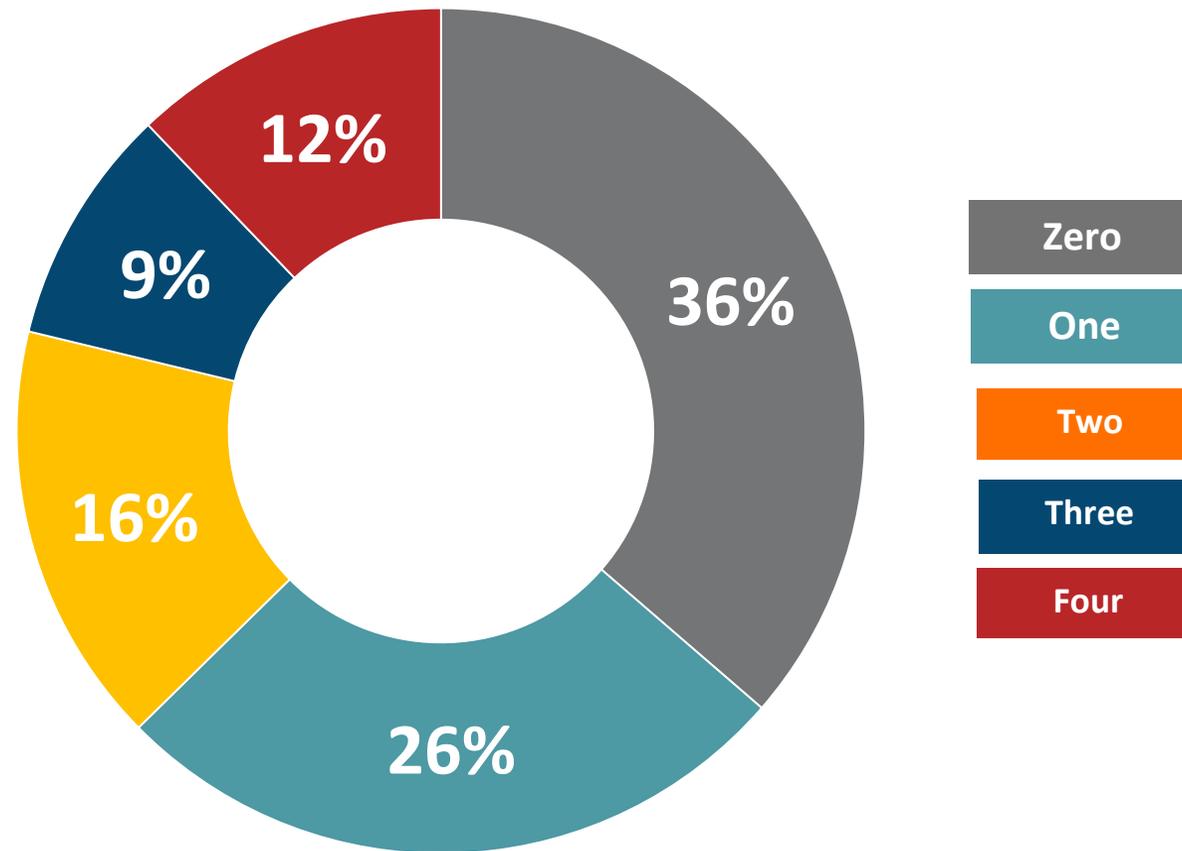
# Original ACE study: General Findings



## Adverse Childhood Experiences:

- are common
- are highly interrelated
- have lifelong implications
- can happen in any family
- have a cumulative effect—the higher the score, the higher the likelihood of health risk behaviors and poor health outcomes
- are the leading determinant of public health spending

# ACEs are Common



Adapted from CDC Infographic  
[https://vetoviolenace.cdc.gov/childmaltreatment/phl/resource\\_center\\_infographic.html](https://vetoviolenace.cdc.gov/childmaltreatment/phl/resource_center_infographic.html)

# ACES can have lasting effects on....



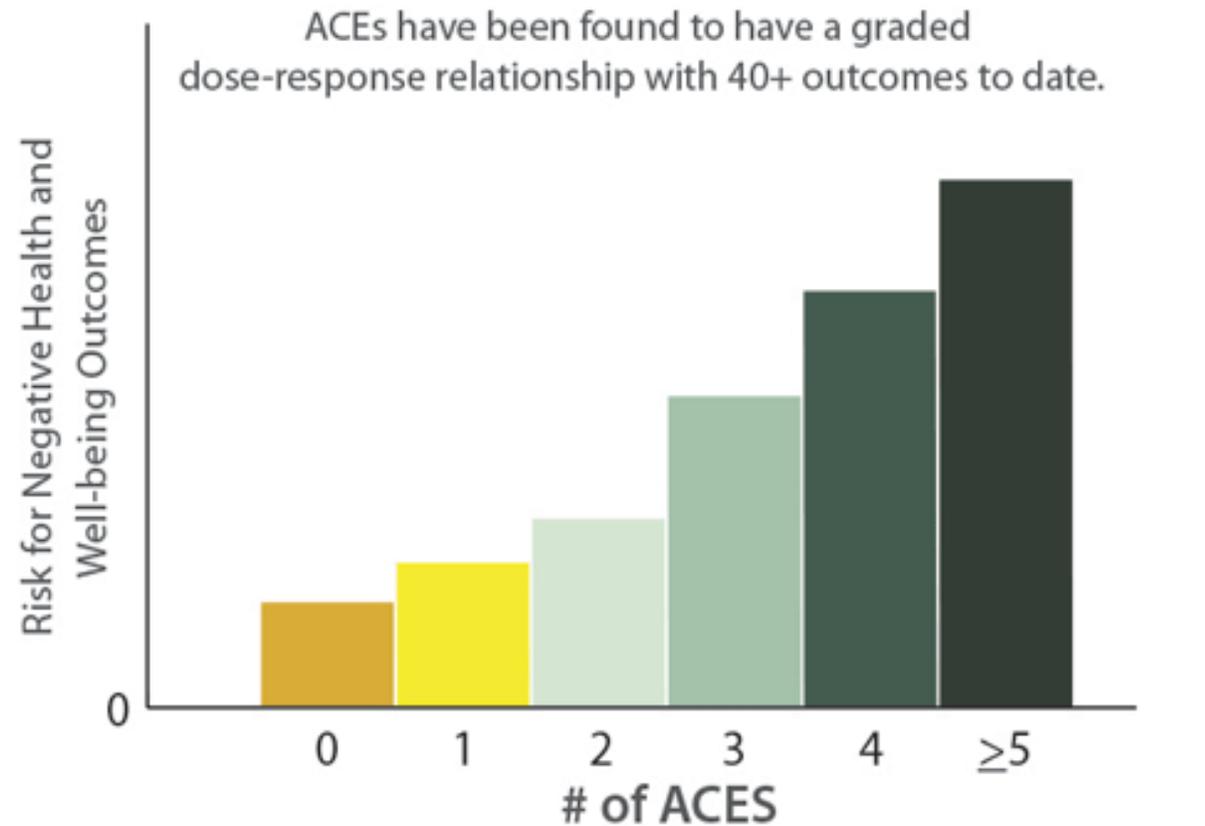
Health (obesity, diabetes, depression, suicide attempts, STDs, heart disease, cancer, stroke, COPD, broken bones)



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.

# Increased Risk of 4 ACEs

**12.2**

**SUICIDE**

**5.5**

**MISS 14 DAYS OF WORK IN A MONTH**

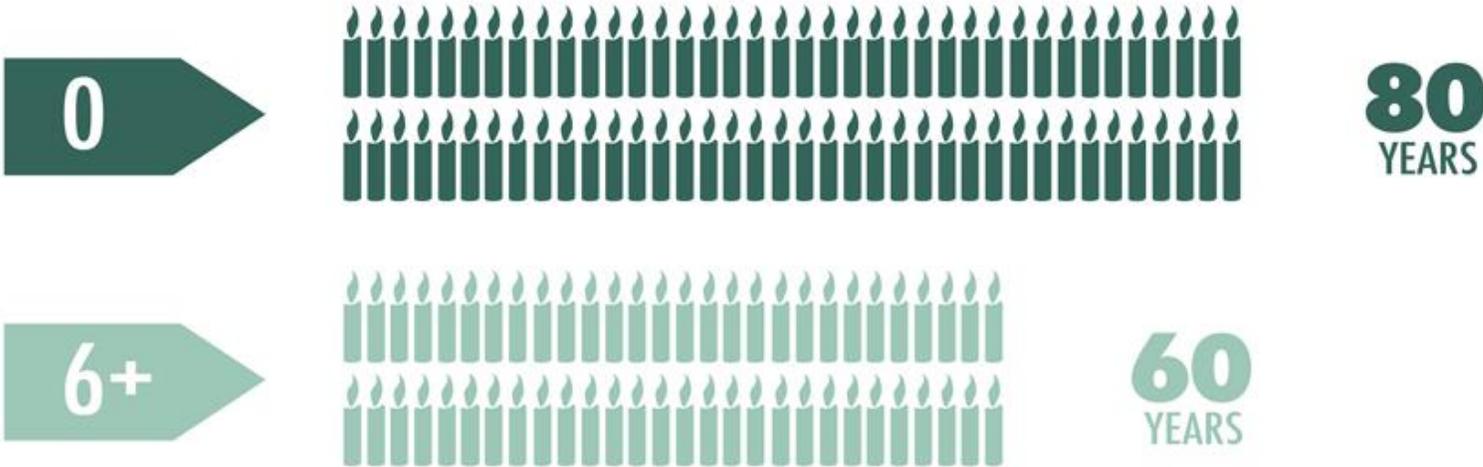
**2.5**

**SEXUALLY TRANSMITTED DISEASE**

**2.2**

**HEART DISEASE**

# ACEs and Life Expectancy



[https://vetoviolence.cdc.gov/childmaltreatment/phl/resource\\_center\\_infographic.html](https://vetoviolence.cdc.gov/childmaltreatment/phl/resource_center_infographic.html)

# ACE Prevalence: WI FFHV Sample

ACEs	%
Physical abuse	39.7
Sexual abuse	26.0
Emotional abuse	27.0
Physical neglect	11.1
Emotional neglect	17.6
Substance abuse	50.0
Mental illness	42.6
Domestic violence	37.5
Incarceration/Jail	37.9
Divorce/separation	43.2

\*85% reported at least 1 ACE

\*68% reported 2 or more ACEs

# Keeping Score

Number of ACEs	Prevalence, Women (%)	
	FFHV Program*	ACE Study
1 or more	85.3	67.3
4 or more	43.6	16.3

\*Rates are very similar in child welfare

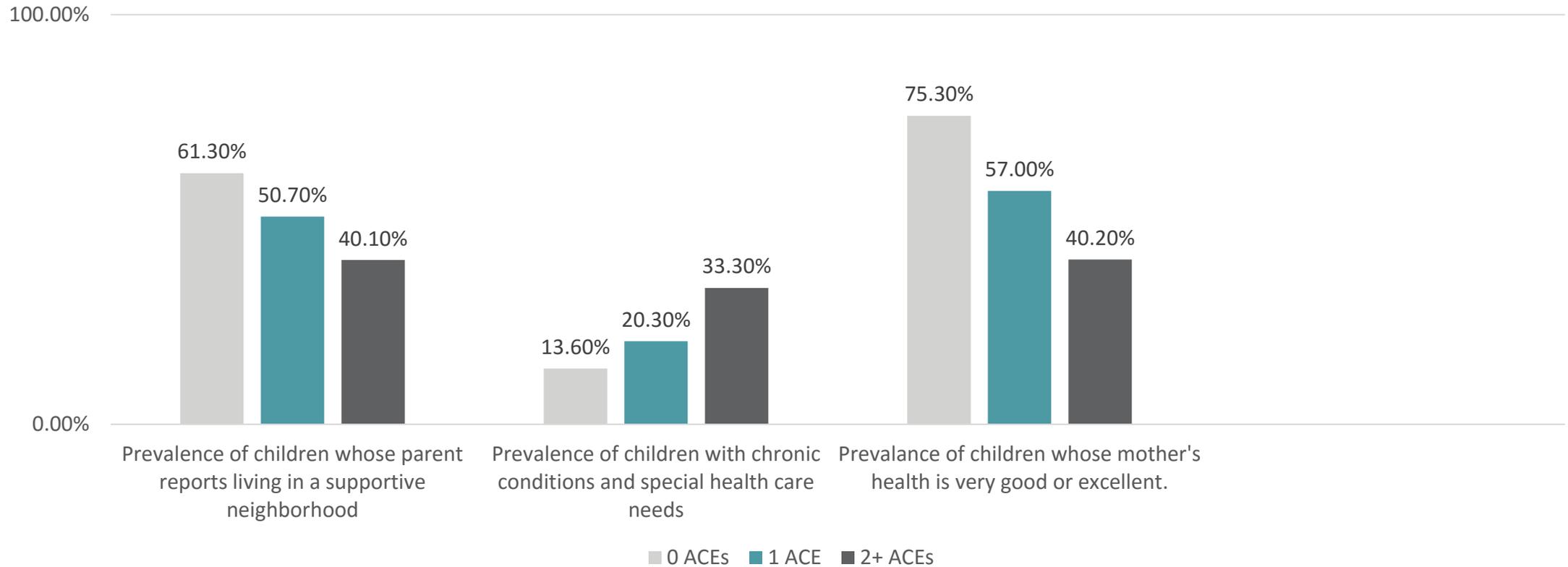
# National and Across-State Profile on ACEs

## 2016 National Survey of Children's Health

- 34 million children – nearly half of all U.S. children ages 0-17 had at least one ACE, and more than 20% experienced two or more.
- 65.2% of publicly insured children have ACEs.
- Six in 10 black children have ACEs and represent 17.4% of all children in the U.S. with ACEs.
- Two-thirds of children ages 6-17 who bully, pick on, or exclude other children – or are themselves bullied – have ACEs.

# National and Across-State Profile on ACEs 2016 National Survey of Children's Health

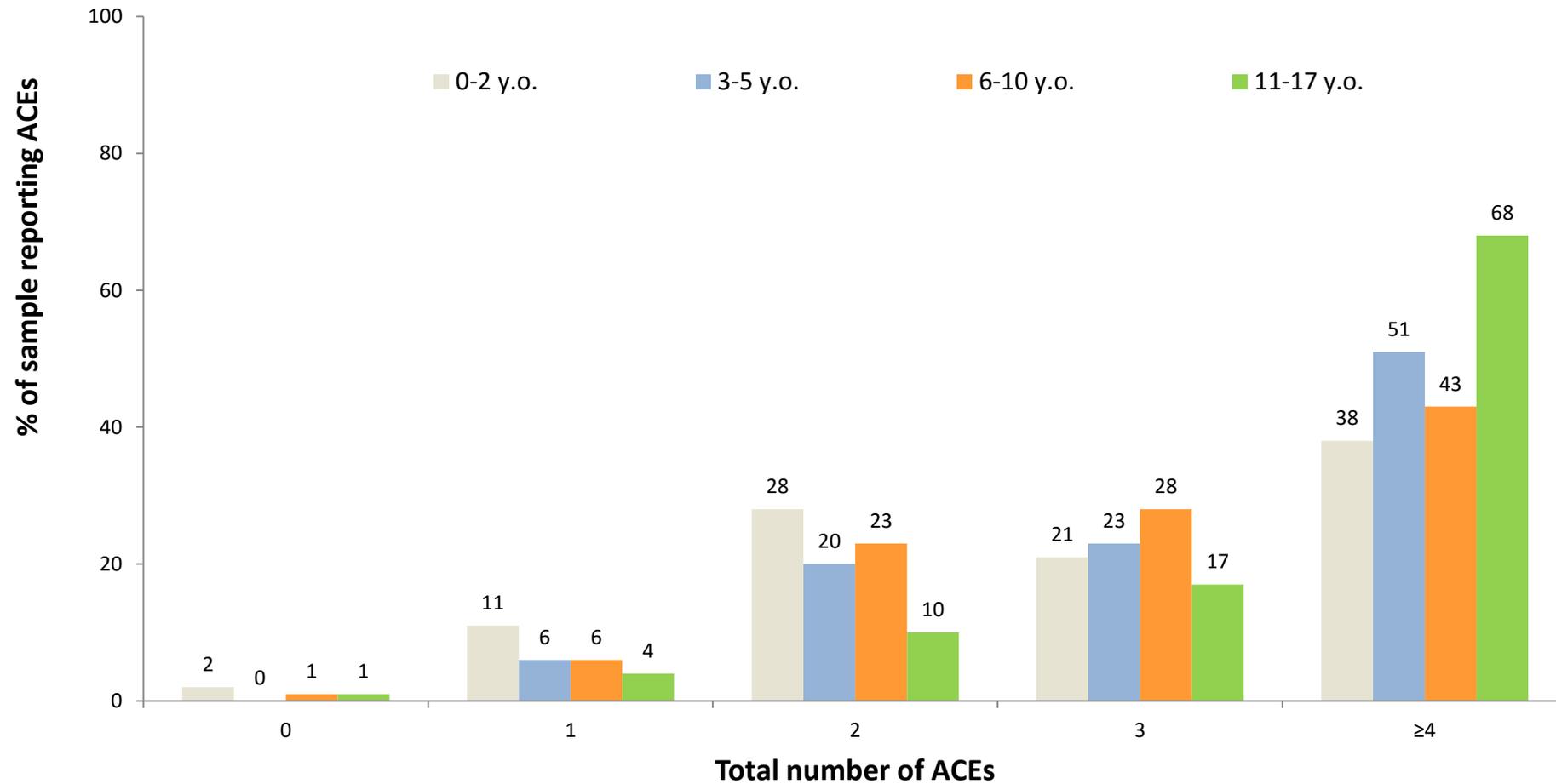
Child and Parent Health and Neighborhood Support, by ACEs



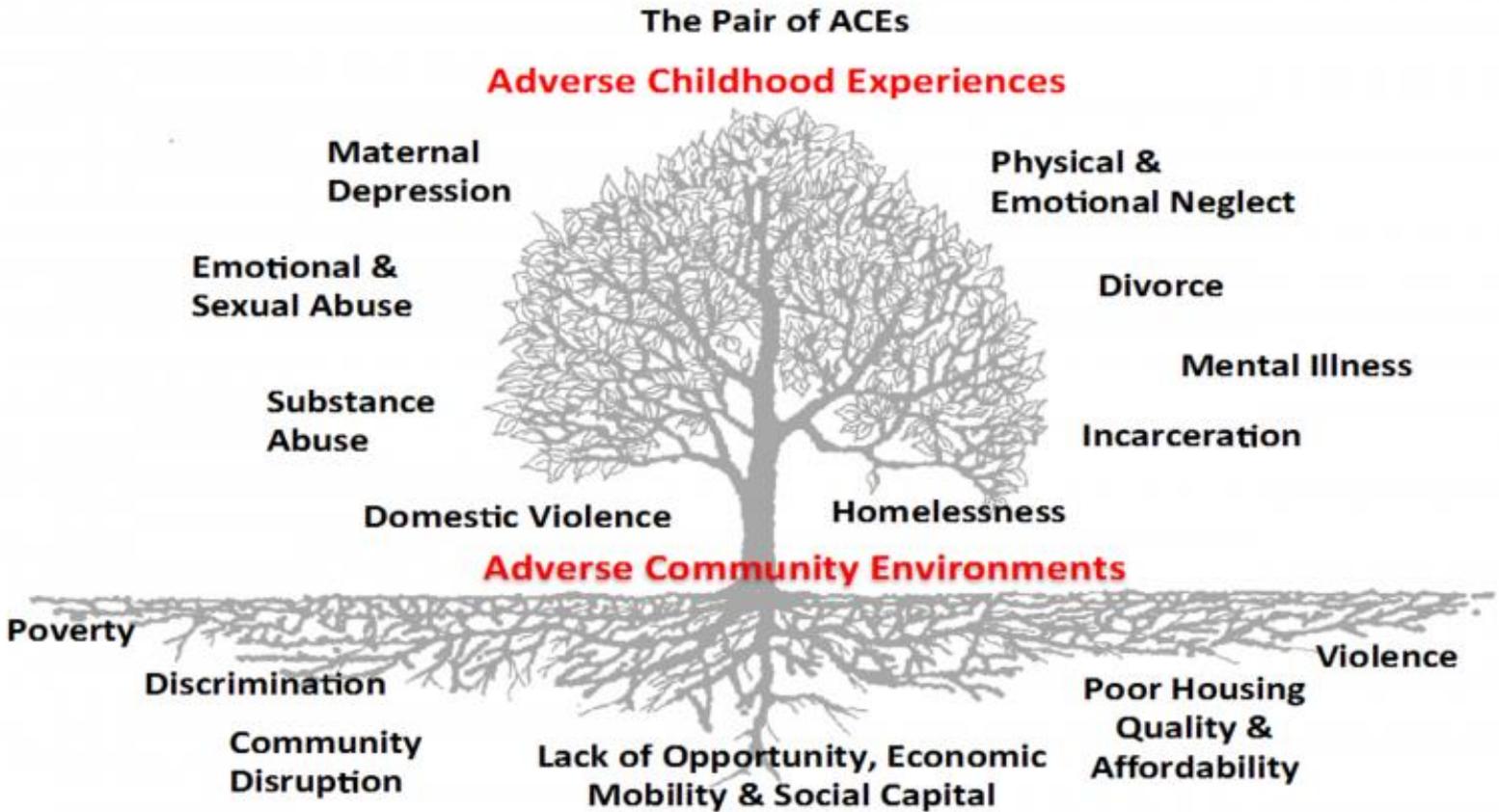
# National and Across-State Profile on ACEs 2016 National Survey of Children's Health

State	2+ ACEs 0-17 years	1+ ACEs 0-17 years	1+ ACEs 0-5 years	Supportive Neighborhood
Maryland	15.4%	41.0%	27.5%	47.3%
DC	21.8%	47.1%	32.3%	38.9%
Nation	21.7%	46.3%	35.0%	44.2%

# NSCAWI: ACE Scores by Age



# Pair of ACEs



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

# Intergenerational Transmission of ACEs

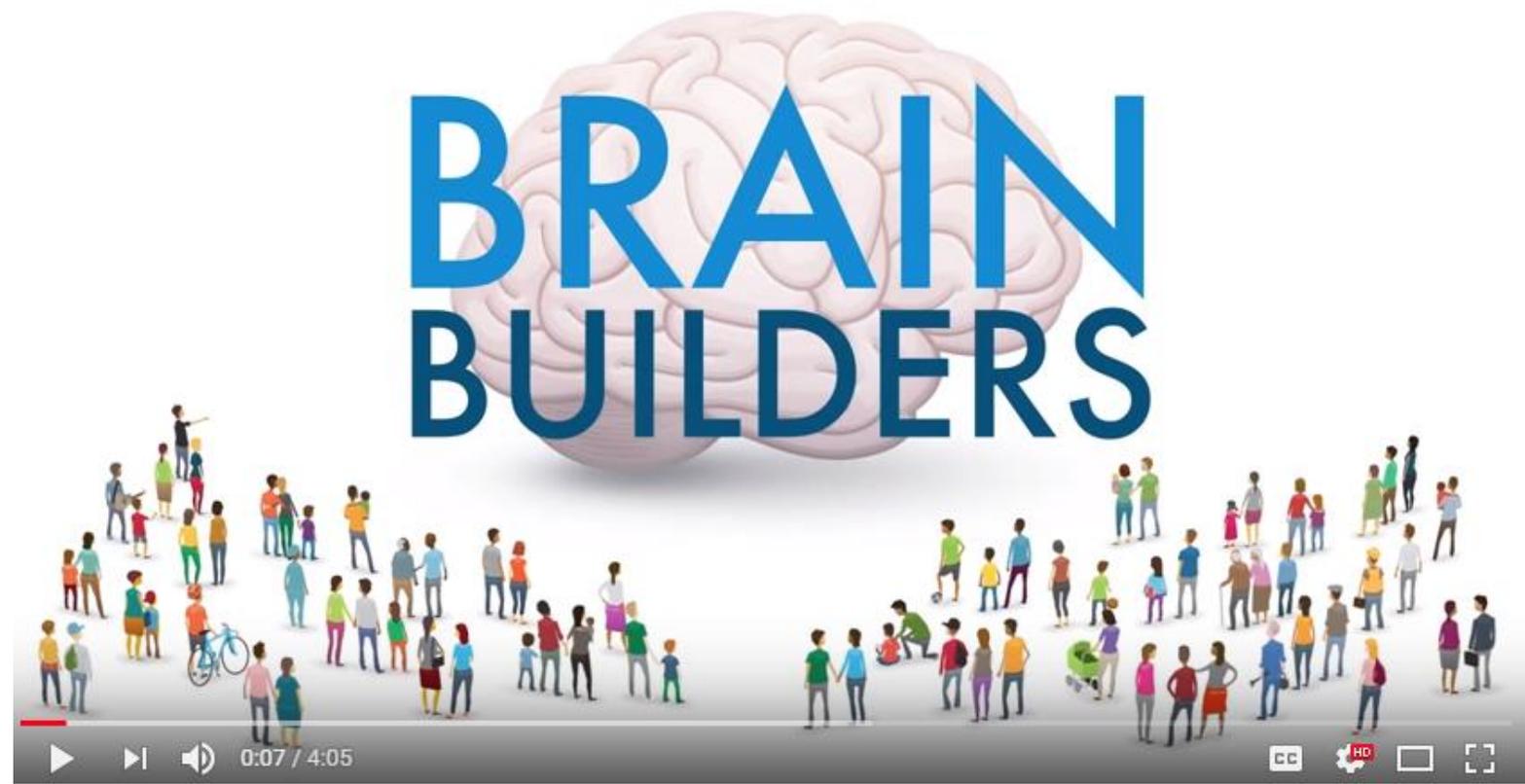
Psychosocial risks in pregnancy contribute to the transmission of maternal ACEs to child development outcomes.



Parental ACEs exposure can negatively impact child development in multiple domains.



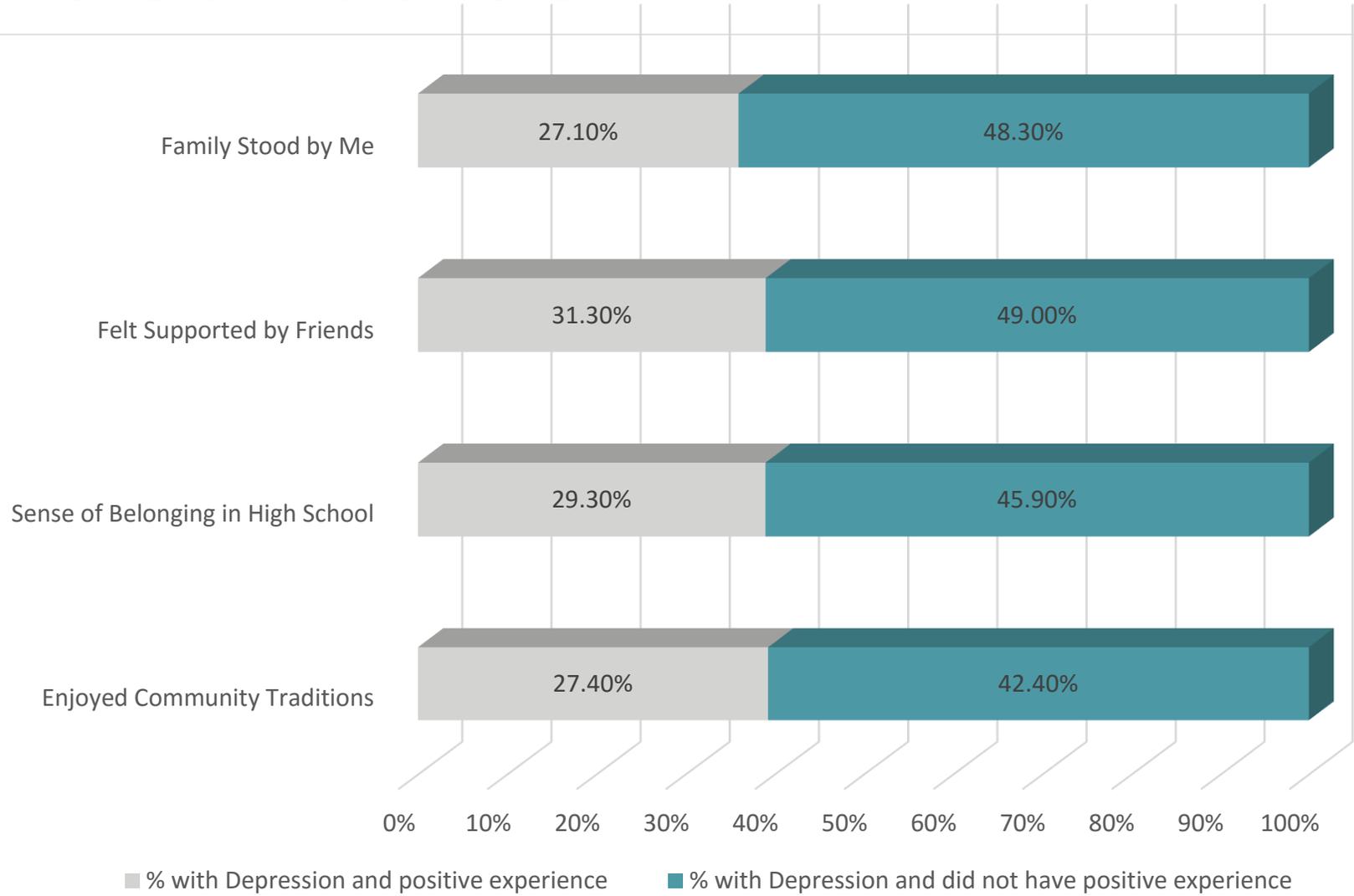
# Core Story of Brain Development



[Core Story of the Brain](#)

# Balancing ACEs with HOPE

## Adults with 3 or more ACEs



# The Four Positive Experiences that Matter

Nurturing,  
supportive  
relationships

Living, playing and  
learning in safe,  
stable, supportive  
and equitable  
environments

Engaging in  
constructive,  
social/civic  
activities that  
foster a sense of  
connection

Learning social and  
emotional  
competencies

## 3 Principles to Improve Outcomes for Children and Families

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Support responsive relationships for children and adults

Strengthen core life skills

Reduce sources of stress in the lives of children and families

# Change in Mind Initiative

Alliance for Strong Families and Communities, The Palix Foundation & The Robert Wood Johnson Foundation.

Two country cohort involving 5 non-governmental organizations based in Alberta and 10 U.S. based private, nonprofit human serving organizations.

Contracting with FrameWorks Institute on framing and strategic communications.

Contracting with Community Science on the developmental evaluation.

# Change in Mind Evaluation Questions

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1. How is brain science best translated into organizational culture, policy and practice?
2. How do organizations influence and accelerate systems change within their communities?
3. How can systems change work be accelerated within a larger policy context?
4. How can we effectively accelerate peer learning using a cohort model?

# CiM Site Specific Examples

## Integration of brain science core concepts

- CUPS in Calgary, Alberta developed a new organization-level theory of change.

## Internal organizational policy and practice change

- The Family Partnership created a way to provide mental health services within their PRIDE program for sex trafficking survivors.

## External systems and policy change

- Sheldon Kennedy Child Advocacy Centre in Calgary instituted policy changes to limit traumatization of children and families involved in the local criminal justice system.

## Use of ACEs data through rapid cycle testing

- Children's Hospital of Wisconsin conducted a housing survey with child welfare clients in 3 neighborhoods about their barriers to housing stability.

# Thank You!

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#changeinmindcohort

