Understanding Adverse Childhood Experiences (ACEs)

The Impact on Health, Wellness & Education



Initiated in 1995-1997
ACES: THE ORIGINAL STUDY

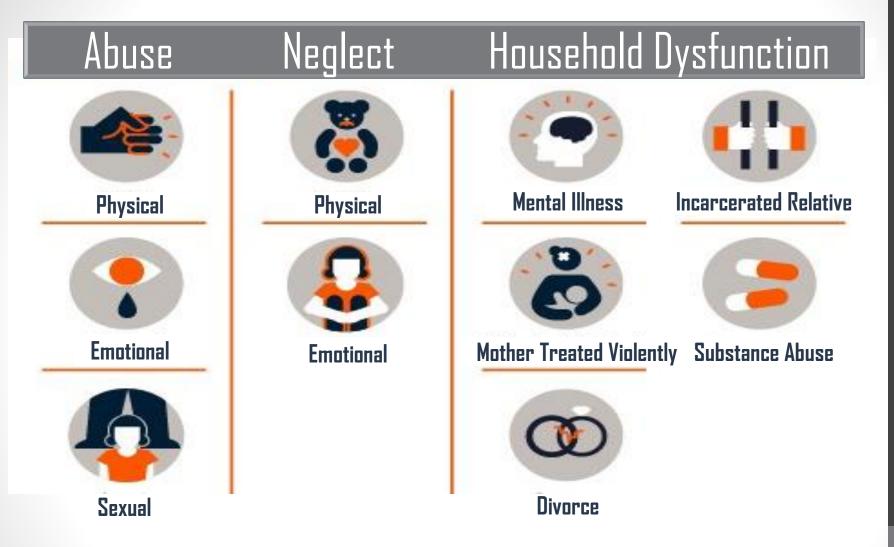
ACEs: the Original Study

Facts

- Collaboration between the CDC & Kaiser Permanente
- Sample > 17,000
- 10 yes or no questions
- Continual monitoring through morbidity & mortality data
- Replicated nationally & internationally

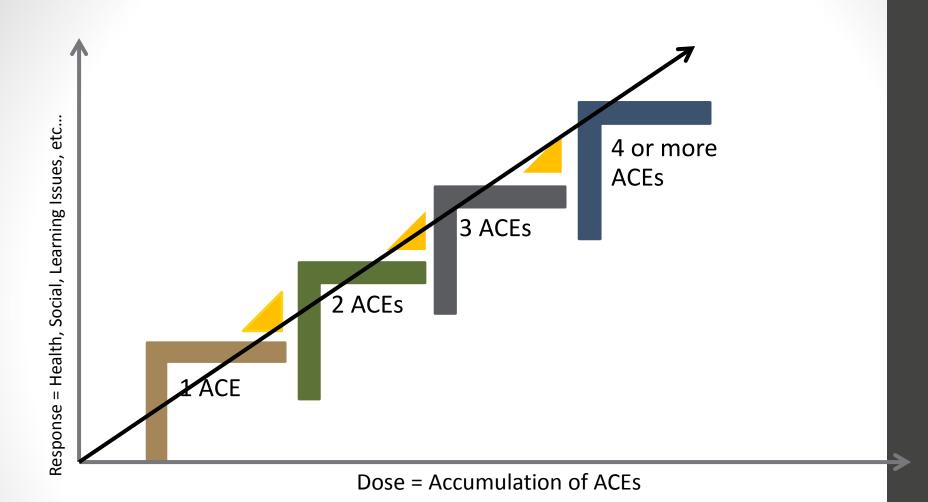
Findings

- Prevalence of trauma
- Correlation of childhood stress & negative outcomes
- The importance of Resilience

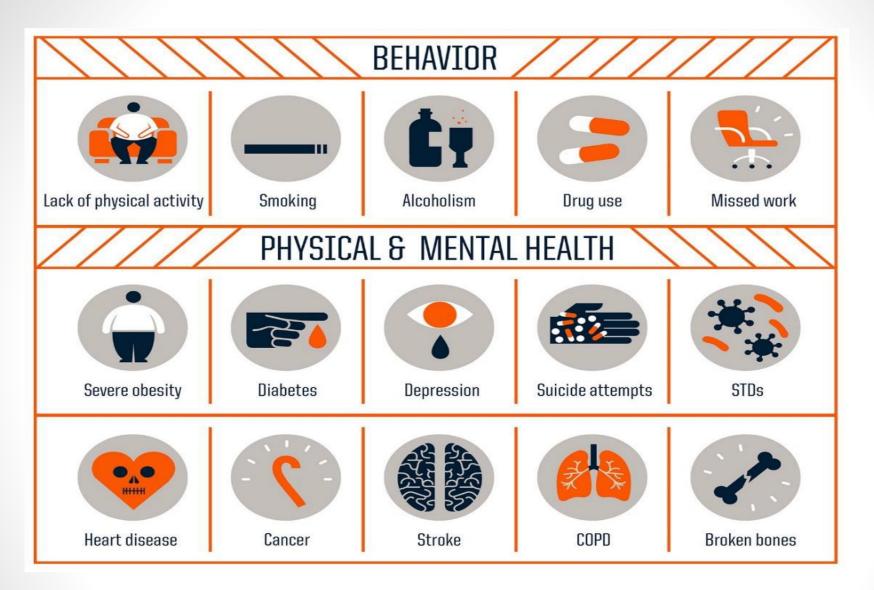


What are the ACEs?

Before the age of 18 did you experience...



A Dose-Response Relationship



As ACEs Increase so does Risk...

www.acestudy.org www.rwjf.org

Odds for Academic & Health Problems

	Academic Failure	Severe Attendance Problems	Severe Behavior Concerns	Frequent Reported Poor Health
3+ ACEs n=248	3x	5x	6x	4x
2 ACEs n=213	2.5x	2.5x	4x	2.5x
1 ACE n=476	1.5x	2x	2.5x	2x
No Known ACEs n=1164	1	1	1	1

Washington State University Spokane, 2013

Why should schools care?

What do we know about outcomes for students like these?

The Impact on Health & Wellness



FIGHT

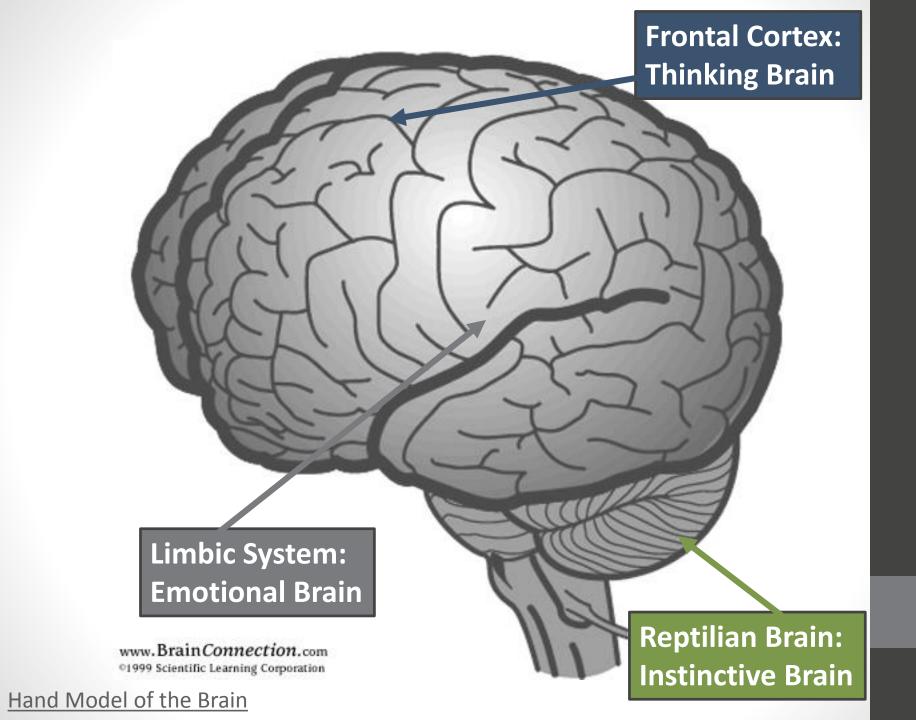




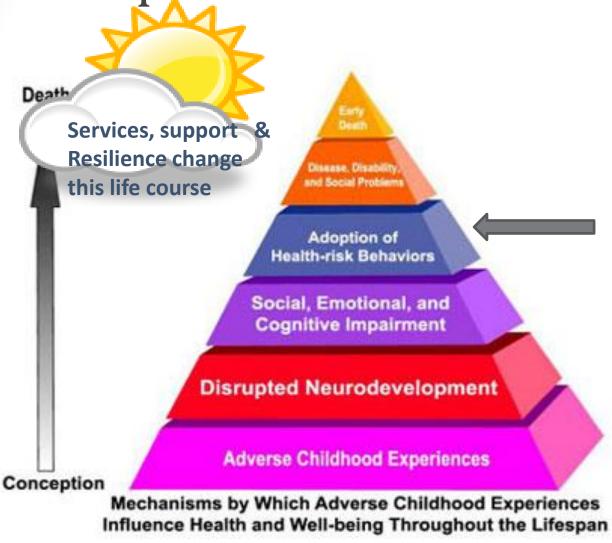


FREEZE

Source: The Croods, 2013



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Assessing the ACEs in Monroe County
THE YOUTH RISK BEHAVIOR SURVEY

Youth Risk Behavior Survey (YRBS)

Developed in 1990 to monitor priority health risk behaviors that markedly contribute to the leading causes of death, disability & social problems among youth & adults in the U.S.

Often established during childhood and early adolescence, these behaviors include:

- Alcohol and other drug use
- Tobacco use
- Unhealthy dietary behaviors
- Inadequate physical activity
- Behaviors that contribute to unintentional injuries and violence
- Sexual behaviors that contribute to unintended pregnancy and sexually transmitted infections, including HIV infection

Monroe County YRBS

Implementation & Assessment:

- Conducted every 4 years by the Monroe County Department of Public Health
 - Conducted bi-annually 1991-2011
- Local questions determined 3-4 months prior through school district representation & discussion
- Most mirror the national YRBS. Recent additions reflect issues relevant to Monroe County:
 - Prescription drug Abuse
 - Bullying
 - Electronic Bullying
 - Adverse Childhood Experiences

- Aggregate (County level) results shared with community
 - District-specific data provided to the home district
- Data incorporated into the Community Health Assessment (CHA)

Monroe County YRBS



In 2015

- 12 districts surveyed all of their students so they can report results for their district
- 4 districts provided a sample only for the county sample
- 2 districts opted out

Monroe County YRBS -ACEs

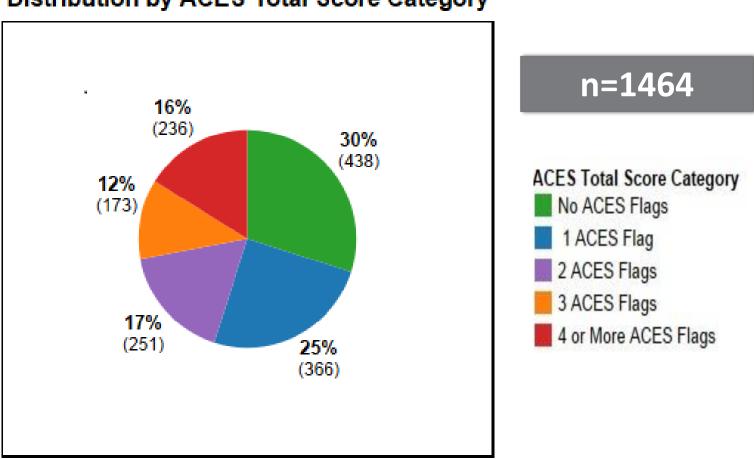
Students Reported:	%	
Often or repeatedly a parent or adult their home swore at you, insulted you or put you down	15	
Often or repeatedly a parent or adult in their home hit, beat, kick or physically hurt you in any way		
Often or repeatedly parents or adults in their home hit, beat, kick or beat each other up	3	
Often or repeatedly, their family has not had enough money to buy food or pay for housing	6	
Ever lived with anyone who was an alcoholic, problem drinker, used illegal street drugs, took prescription drugs to get high, or was a problem gambler	23	

Monroe County YRBS - ACEs

Additionally, Students Reported:	%
Ever lived with anyone who was depressed, mentally ill or suicidal	21
Ever had anyone in their household go to jail or prison	21
Ever witnessed someone get shot, stabbed or beaten in your neighborhood	19
Were ever forced to do any of the following: have sexual intercourse, touch someone sexually, or be touched by someone sexually	12
Currently do not live with both parents	42
Disagree, strongly disagree with the statement, "my family gives me the help and support I need"	8

How many kids are we talking about?

Distribution by ACES Total Score Category

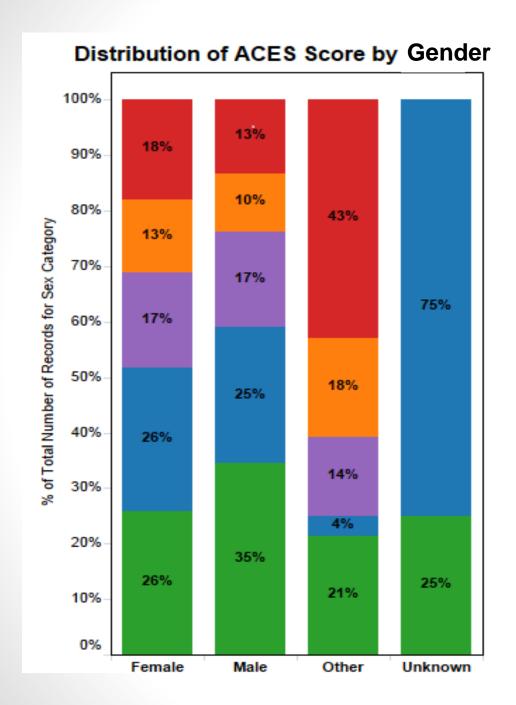


Distribution of ACES Score for Each ACES Flags ACES - Not Living With 29% 24% 17% 30% **Both Parents** ACES - Household Member 22% 24% 48% History of Jail or Prison ACES - Substance Abuse or Gambling Problem in 20% 23% 49% Home ACES - Seen Violence in 20% 21% 49% Neighborhood ACES - Not Getting Family 18% 25% 50% Help or Support ACES - Mental Health 15% 15% 20% 50% Problem in Home ACES - Experienced 16% 17% 16% 51% Sexual Abuse ACES - Experienced Verbal 15% 18% 60% Abuse ACES - History of Not 11% 13% 69% **Enough Money in Family** ACES - History of Adult Physical Altercations in 89% Home ACES - Experienced 91% Physical Abuse 20% 80% 0% 40% 60% 100%

The Accumulation of ACEs

Observing the pattern of distribution provides clues around the clustering of ACEs and indications of what questions might we be asking of these youth



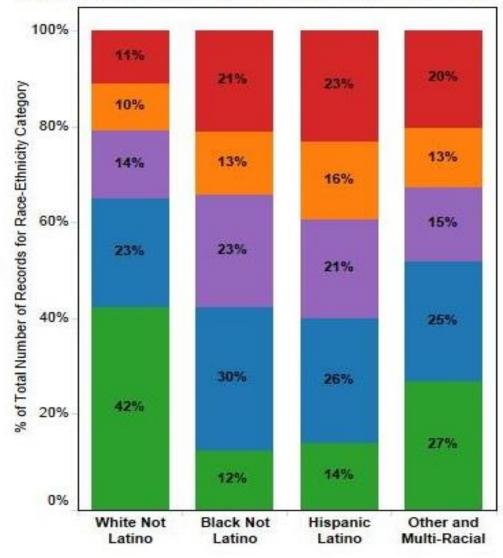


Monroe County ACEs by Gender

Demonstrates the distribution of ACE scores within each self-identified gender category



Distribution of ACES Score by Race-Ethnicity



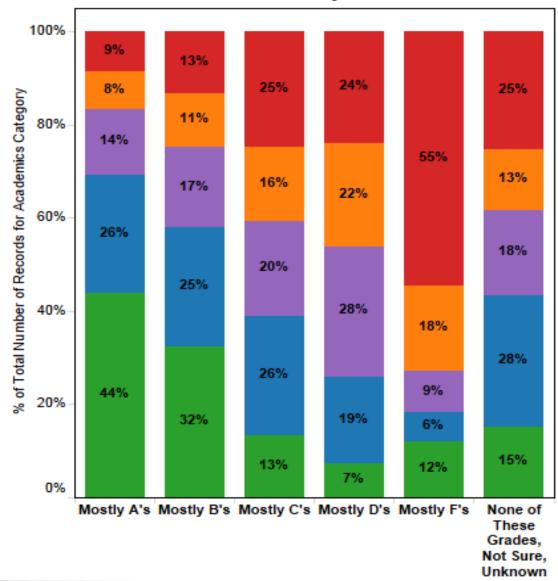
Monroe County ACEs by Race-Ethnicity

Demonstrates the distribution of ACE scores within each self-identified racial or ethnic category

ACES Total Score Category

- No ACES Flags
- 1 ACES Flag
- 2 ACES Flags
- 3 ACES Flags
- 4 or More ACES Flags

Distribution of ACES Score by Academic Grades



The Academic Impact

Students were asked to identify their average grades over the last 12 months

73% of those who reported receiving Mostly F's have experienced 3 or more ACEs

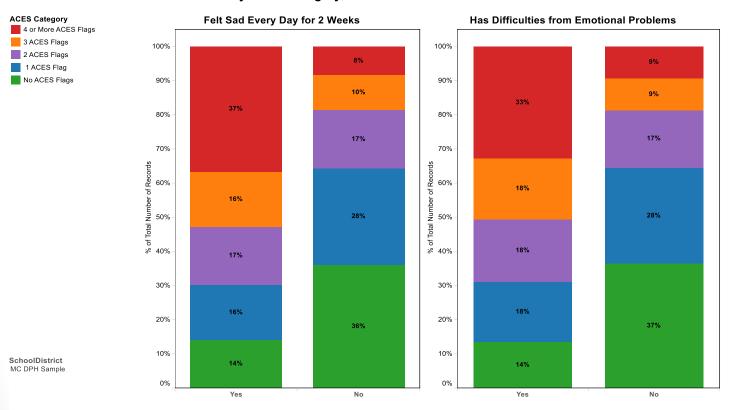




What did we find in Monroe County?
THE OVERLAY OF ADVERSE CHILDHOOD
EXPERIENCES & RISK BEHAVIORS

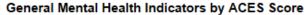
Distribution of Mental Health Measures

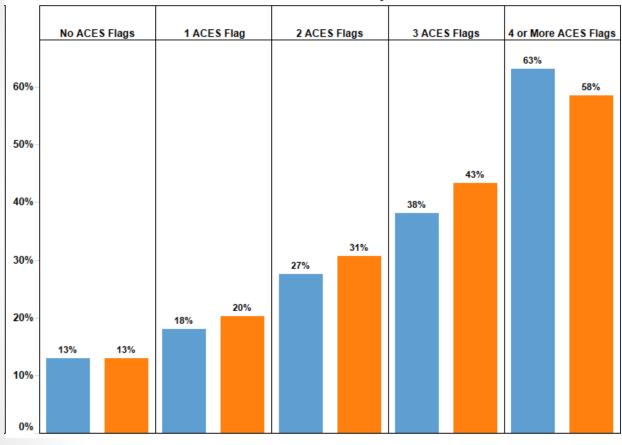




- Felt sad for 2+ Weeks: 407/1464 = 28%
- Had difficulties from Emotional Problems: 421/1464 = 29%

Mental Health

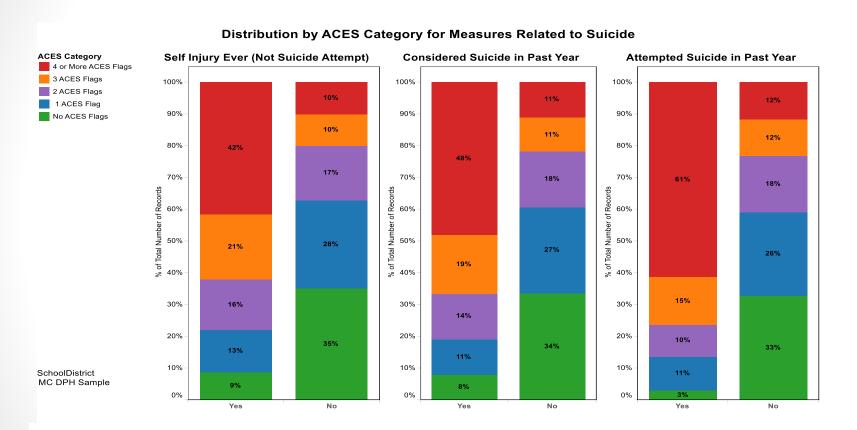




- 63% of students with
 4 or more ACEs
 reported feeling sad
 for 2 or more weeks in
 the past year
- 58% of students with 4 or more ACEs reported difficulties from emotional problems

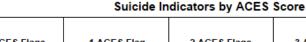
- % total felt sad 2+ weeks in past year
- % total for emotional problems

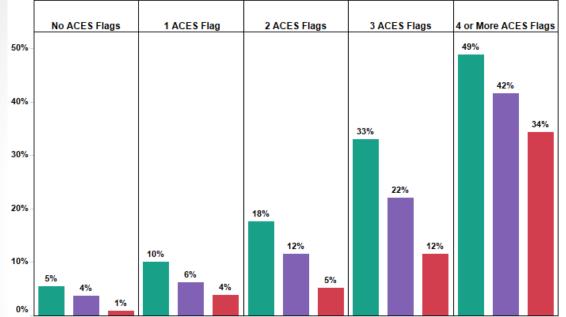
Distribution of Factors: Self-Harm or Suicide



- Non-Suicidal Self-Injury: 277/1464 = 19%
- Considered Suicide within Past Year: 204/1464 = 14%
- Attempted Suicide within Past year: 132/1464 = 9%

Suicide

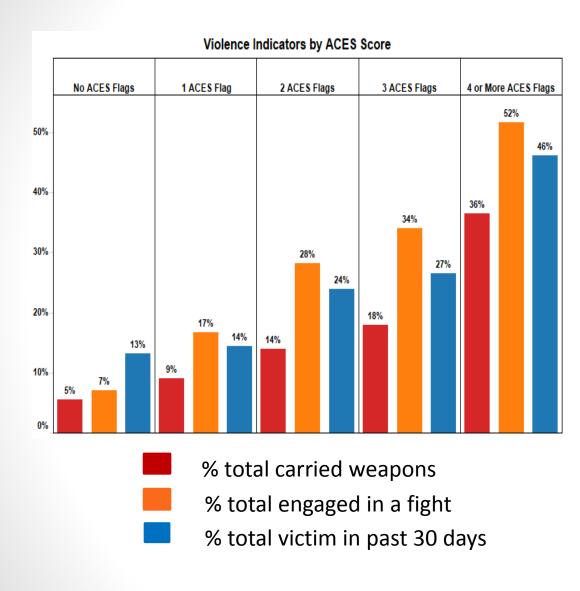




- % total non-suicidal self-injury ever
- % total considered suicide in the past year
- % total attempted suicide in the past year

- > 49% of student with 4 or more ACEs reported engaging in self-injury
- > 42% of students with 4 or more ACEs reported considering suicide in the past year
- 34% of students with 4 or more ACEs reported attempting suicide in the past year

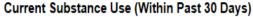
Violence

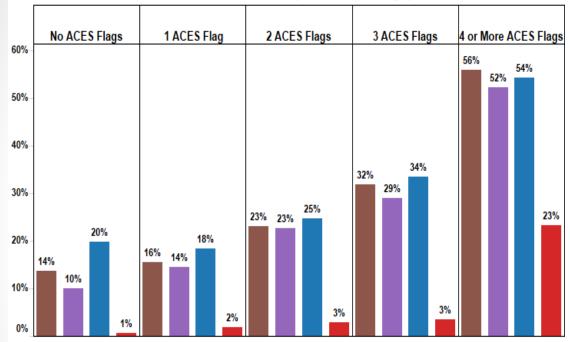


- 36% of students with 4 or more ACEs reported carrying a weapon in the past 30 days
- 52% of students with 4 more ACEs reported engaging in a fight in the past year
- ➤ 46% of students with 4 more ACEs reported being a victim of violence in the past 30 days

Substance Abuse:

In the last 30 days





- Tobacco
- Marijuana
- Alcohol
- Any other drug

- ➤ 56% of students with 4 or more ACEs reported using tobacco
- 53% of students with 4 or more ACEs reported using marijuana
- ➤ 54% of students with 4 or more ACEs reported using alcohol
- 23% of students with 4 or more ACEs reported using other drugs

Implications

What questions are we asking? What questions are we NOT asking?

How does our interpretation drive intervention?

- ➤ Responding vs. Reacting to behavior
- ➤ Diagnosis and treatment?
- ➤ What does this mean for Response to Intervention(RtI)?
- ➤ What are system or policy level implications?

Community resources – does array match needs?

>Trauma treatment vs. trauma responsive

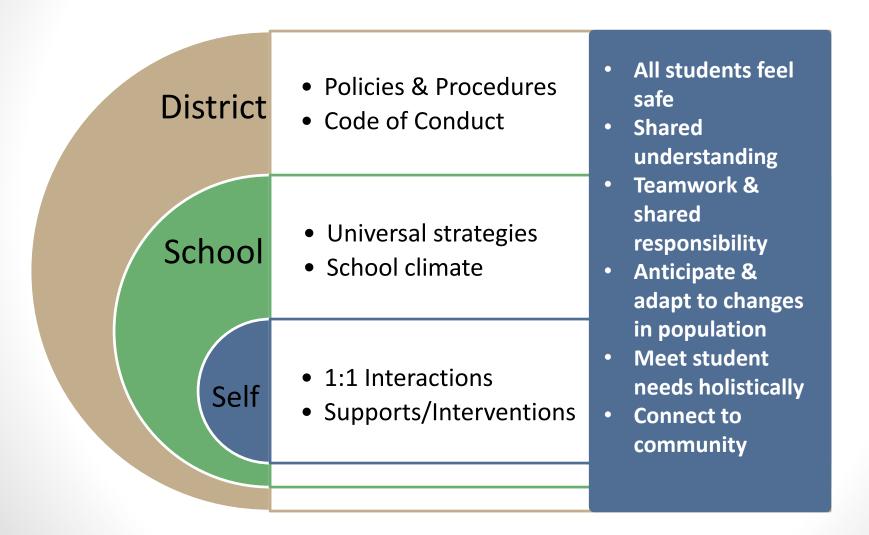
Workforce development needs

- Foundational knowledge: What does everyone need to know?
- ➤Intervention/approaches: What specialized skills are required?
- ➤ Vicarious trauma: How do we care for the workforce?



The Principles of TRAUMA-RESPONSIVE SCHOOLS

Trauma-Responsive Education





One Positive, Caring, Consistent Adult can make all the difference...
THE POWER OF RESILIENCE



Contact Information

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