

# Wayne Partnership for Strengthening Families

## 2023 EYS Results

Where are we, how are we doing,  
where should we be going.

## Today

- ▶ Logic Model
- ▶ EYS
- ▶ Problem measures.
- ▶ Root Cause measures.
  - ▶ Risk and Protective Factors
  - ▶ ARCH
- ▶ Gains and losses
- ▶ Where do we go from here?

# Basic Logic Model

Problem - Root Cause - Local Conditions - Response

(What?)

(Why?)

(Why Here?)

# **Evalumetrics Youth Survey (EYS)**

## **Wayne County Schools 2023**



Evalumetrics Research

# Method

- ▶ Web-based survey
- ▶ All 6<sup>th</sup>, 8<sup>th</sup>, 10<sup>th</sup> and 12<sup>th</sup> grade students.
- ▶ EYS-4<sup>th</sup> Grade version
- ▶ Completed in February and March - 2023

**Where are we now  
(What?)**

**Problem behaviors**

**Quantifying Problems**

Drank Alcohol in Past 30 Days 2023	GRADE 6	GRADE 8	GRADE 10	GRADE 12
Did not use	99.5%	97.2%	93.7%	85.2%
<b>Used</b>	<b>0.5%</b>	<b>2.8%</b>	<b>6.3%</b>	<b>14.8%</b>
N=	786	754	604	481

Smoked Cigarettes in Past 30 Days 2023	GRADE 6	GRADE 8	GRADE 10	GRADE 12
Did not use	99.9%	99.7%	99.5%	98.1%
<b>Used</b>	<b>0.1%</b>	<b>0.3%</b>	<b>0.5%</b>	<b>1.9%</b>
N=	782	751	603	487



Smoked Marijuana in Past 30 Days 2023	GRADE 6	GRADE 8	GRADE 10	GRADE 12
Did not use	99.5%	97.2%	93.7%	85.9%
<b>Used</b>	<b>0.5%</b>	<b>2.8%</b>	<b>6.3%</b>	<b>14.1%</b>
N=	782	751	603	487

Used Other Drug in Past 30 Days 2023	GRADE 6	GRADE 8	GRADE 10	GRADE 12
Did not use	99.7%	99.2%	98.8%	98.1%
Used	0.3%	0.8%	0.2%	1.9%
N=	782	751	603	487

Vaped/Used E-Cigarette in Past 30 Days 2023	GRADE 6	GRADE 8	GRADE 10	GRADE 12
Did not use	96.2%	95.2%	89.9%	87.9%
<b>Used</b>	<b>3.8%</b>	<b>4.8%</b>	<b>11.1%</b>	<b>12.1%</b>
N=	782	751	603	487

Times I Bullied Others Past Month	GRADE 6	GRADE 8	GRADE 10	GRADE 12
(0) None	81.3%	78.6%	76.5%	86.9%
(1) Once or Twice	12.7%	13.4%	12.0%	5.0%
(2) Three to Five Times	3.1%	4.3%	4.8%	3.1%
(3) More than Five Times	2.9%	3.8%	6.7%	5.0%
N=	782	751	603	487

Sent Threatening or Harassing Text in Past 30 Days (Cyber-Bully)	GRADE 6	GRADE 8	GRADE 10	GRADE 12
(0) None	94.0%	92.5%	89.2%	92.2%
(1) Once or Twice	4.1%	4.5%	5.9%	3.4%
(2) Three to Five Times	1.2%	1.1%	2.3%	1.8%
(3) More than Five Times	0.7%	2.0%	2.5%	2.6%
N=	782	751	603	487

# Behavioral Health

The background features abstract, overlapping geometric shapes in various shades of green, ranging from light lime to dark forest green. The shapes are primarily triangles and polygons, creating a dynamic, layered effect. The overall composition is clean and modern, with the text centered on a white background.

Felt Sad or Depressed Most Days in Past Year	GRADE 6	GRADE 8	GRADE 10	GRADE 12
Felt Sad	46.2%	41.8%	49.8%	45.0%
No	53.8%	58.2%	50.2%	55.0%
N=	782	751	603	487

Made Plan for Suicide (Ideation) in Past Year	GRADE 6	GRADE 8	GRADE 10	GRADE 12
Made Plan	6.8%	9.9%	11.9%	7.9%
No Plan	93.2%	90.1%	88.1%	92.1%
N=	782	751	603	487



Injured self (cutting or burning) When Upset	GRADE 6	GRADE 8	GRADE 10	GRADE 12
<b>Injured Self</b>	<b>15.3%</b>	<b>14.8%</b>	<b>23.5%</b>	<b>22.7%</b>
<b>No</b>	<b>84.7%</b>	<b>85.2%</b>	<b>76.5%</b>	<b>77.3%</b>
<b>N=</b>	<b>782</b>	<b>751</b>	<b>603</b>	<b>487</b>

## EYS 4<sup>th</sup> Grade - Key Findings - N=607

- ▶ 52.6% - Things in community they want to do but can't.
- ▶ 16.3% - Family members use drugs.
- ▶ 26.2% - Can NOT share feelings with adults in the family.
- ▶ 22.6 - Have tried to beat someone up.
- ▶ 59.8% - Other kids pick on me.
- ▶ 45.2% - Felt sad a lot of the time.
- ▶ 16.8% - Do not like their schoolwork.
- ▶ 12.6% - Do not feel safe at school.
- ▶ 31.2% - Have been sent to the Main Office.

**Where are we now  
(Why?)  
Root Causes**

The background features abstract, overlapping green geometric shapes in various shades, including light lime green, medium green, and dark forest green. These shapes are primarily located on the left and right sides of the slide, framing the central white area.

# Why?

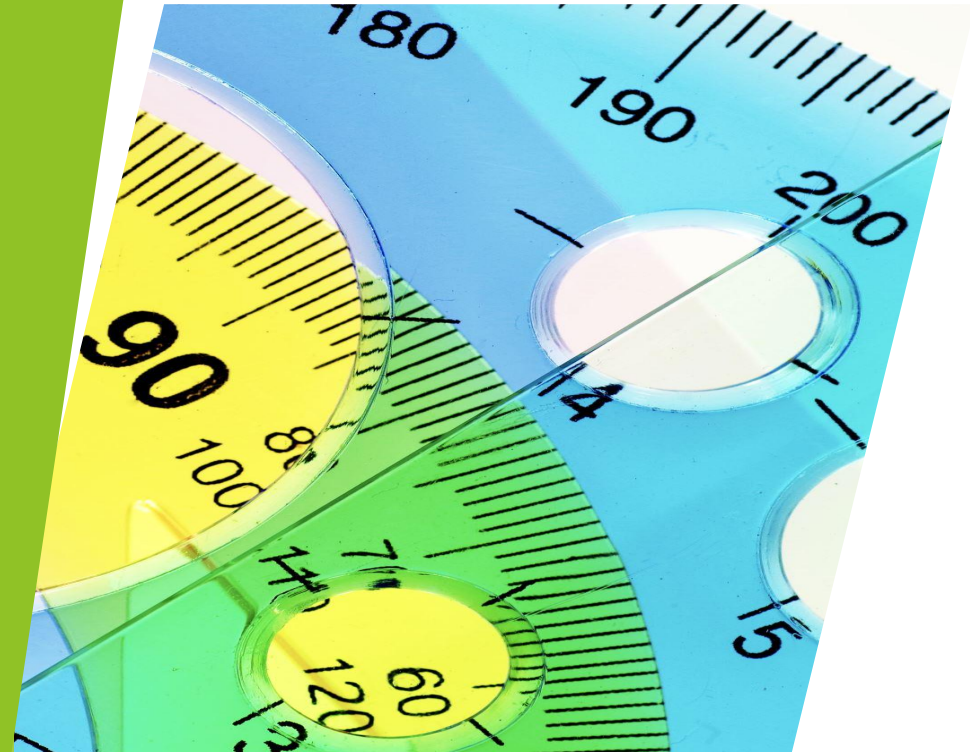
**Understanding Factors and  
Root Causes**

# Understanding Factors and Root Causes

- ▶ **Cross-sectional analysis**
- ▶ **Uses Regional High School Data**
  - ▶ **Prevalence of problems too low (for statistical purposes) in younger kids**
  - ▶ **Represents “end-state” or where younger kids might be heading**

# Measuring Risk and Protective Factors

- ▶ Hawkins and Catalano developed multi-item scales based on meta-analysis.
- ▶ EYS standard scores are based on means/standard deviations from benchmark survey in 2000 with results for nearly 20k students from 29 districts in five county Finger Lakes region.
- ▶ Separate parameters for middle and high school.
- ▶ Use of standard scores allows calculation of prevalence of “at-risk” populations.



# The ARCH Model

- ▶ Attachment
  - ▶ School
  - ▶ Community
  - ▶ Family
- ▶ self-Regulation
- ▶ Competency
- ▶ Health

# Attachment as Root Cause

- ▶ **Lack of Attachment to School (14.7% at risk)-**
  - ▶ **3.6 Times more likely to report using a drug including**
    - ▶ **9.8 times more likely to use marijuana**
    - ▶ **5.6 times more likely to drink alcohol**
  - ▶ **Four times more likely to report bullying others**
  - ▶ **2.9 times more likely to report suicide ideation**



# Attachment as Root Cause

- ▶ **Lack of Attachment to Community (26.9% at risk)-**
  - ▶ **1.6 times more likely to smoke cigarettes**
  - ▶ **1.3 times more likely to report self-injury**
  - ▶ **1.3 times more likely to report suicide ideation**

# Attachment as Root Cause

- ▶ Lack of attachment to Family (13.7% at risk)-
- ▶ 1.6 times more likely to cyber-bully other
- ▶ 1.6 times more likely to smoke cigarettes
- ▶ 1.3 times more likely to report self-injury
- ▶ 1.2 times more likely to report suicide ideation

# Lack of Regulation of Self as Root Cause

- ▶ **Antisocial Behaviors (5.8%)-**
  - ▶ 2.5 times more likely to drink alcohol
  - ▶ 2.1 times more likely to use some substance
  - ▶ 2.0 times more likely to cyber-bully others
- ▶ **Sensation Seeking (22.6%)-**
  - ▶ 3 times more likely to smoke cigarettes
  - ▶ 1.4 times more likely to use some substance
  - ▶ 1.7 times more likely to cyber-bully others

# Lack of Regulation of Self as Root Cause

- ▶ **Rebelliousness (10.9%)-**
  - ▶ 3.5 times more likely to smoke cigarettes
  - ▶ 1.7 times more likely to cyber-bully others
  - ▶ 1.7 times more likely bully others
- ▶ **Impulsiveness (14.9%)**
  - ▶ 1.5 times more likely to bully others
  - ▶ 1.5 times more likely to cyber-bully

# Lack of Competency as Root Cause

- ▶ **Lack of Self-efficacy (20.8%)-**
  - ▶ **2.0 times as likely to drink alcohol**
- ▶ **Lack of Social Skills (5.1%)-**
  - ▶ **1.3 times more likely to drink alcohol**
  - ▶ **1.3 times more likely to use marijuana**

# Poor Health/Wellness Habits as Root Cause

- ▶ **Lack of Exercise (19.8%)-**
  - ▶ **2.4 times more likely to use substances other than alcohol, tobacco or marijuana**
  - ▶ **1.7 times more likely to say their life lacks meaning or purpose**

# Poor Health/Wellness Habits as Root Cause

- ▶ **Poor Diet (35.5%)-**
  - ▶ **1.8 times more likely to report self-injury**
  - ▶ **1.8 times more likely to bully others**
  - ▶ **1.7 times more likely to say the are depressed**
  - ▶ **1.5 times more likely to use drugs other than alcohol, tobacco, or marijuana**

# Poor Health/Wellness Habits as Root Cause

- ▶ **Poor Dental Health (15.2%)-**
  - ▶ 5 times more likely to smoke cigarettes
  - ▶ 2.9 times more likely to use some substance
  - ▶ 2.8 times more likely to substance other than alcohol, tobacco, or marijuana
  - ▶ 3.1 times more likely to report suicide ideation likely to use marijuana



# Underlying Factors or Intervening Variables

- ▶ **Trauma**
  - ▶ **Adverse Childhood Experiences (ACE)**
  - ▶ **Social Emotional Distress**
- ▶ **Poverty and Other Social Factors**

# Adverse Childhood Experiences as Underlying Factor

- ▶ ACE Score of 2 or More (42%)-
  - ▶ 6 times more likely to report suicide ideation
  - ▶ 5.8 times more likely to cyber-bully others
  - ▶ 3.8 times more likely to use marijuana
  - ▶ 3.6 times more likely to use some substances
  - ▶ 3.6 times more likely to report self-injury
  - ▶ 2.7 times more likely to be depressed

# Social Emotional Distress as Underlying Factor

- ▶ High score on overall SED (8.9%)-
  - ▶ 8.3 times more likely to report suicide ideation
  - ▶ 3.8 times more likely to report self-injury
  - ▶ 2.5 times more likely to report being depressed
  - ▶ 2.5 times more likely to have used some substance 2.4 times more likely to drink alcohol

**The following are common challenges that youth commonly encounter:**

- **death of a parent;**
- **parental divorce or separation;**
- **incarceration of a parent;**
- **drug or alcohol abuse;**
- **mental health problems;**
- **domestic violence;**
- **physical neglect;**
- **physical abuse;**
- **emotional neglect;**
- **emotional abuse or**
- **sexual abuse.**

# **Adverse Childhood Experience ACE**

**How many of these experiences have happened to you in your lifetime?**

# Adverse Childhood Experiences

Had 2 or More Adverse Childhood Experiences (ACE)	GRADE 6	GRADE 8	GRADE 10	GRADE 12
ACE 2 or More	23.0%	30.7%	40.2%	37.7%
ACE Less Than 2	77.0%	69.3%	59.8%	62.3%
N=	588	559	482	385

# Social Emotional Distress

Not Feeling safe

Feeling nervous  
anxious or on  
edge

Not Feeling  
happy

Not Feeling  
calm

Worried about  
getting sick

Worried about a  
family member  
getting sick

Feeling sad  
depressed or  
hopeless

Not Feeling  
connected and  
supported

Feeling lonely

Not Enjoying  
things I usually  
like to do

# Social Emotional Distress

Feeling nervous anxious or on edge	GRADE 6	GRADE 8	GRADE 10	GRADE 12
1 Not at All	15.4%	15.1%	15.3%	15.3%
2 Once	21.0%	16.9%	14.5%	15.3%
3 On Several Days	25.0%	25.9%	26.7%	28.0%
4 More Than Half the Time	20.5%	17.8%	20.9%	20.5%
5 Nearly All the Time	18.0%	24.3%	22.7%	21.0%
N=	599	568	484	386

# Social Emotional Distress

Feeling sad depressed or hopeless	GRADE 6	GRADE 8	GRADE 10	GRADE 12
1 Not at All	35.8%	39.5%	34.7%	33.2%
2 Once	22.4%	18.5%	18.4%	19.1%
3 On Several Days	19.0%	15.9%	17.6%	22.2%
4 More Than Half the Time	9.6%	12.3%	16.1%	13.7%
5 Nearly All the Time	13.3%	13.8%	13.2%	11.9%
N=	595	567	484	388



# Social Emotional Distress

High Social-emotional Distress (Scale Score)	GRADE 6	GRADE 8	GRADE 10	GRADE 12
At or Above Risk Level	10.9%	9.1%	9.1%	8.7%
Below Risk Level	89.1%	90.9%	90.9%	91.3%
N=	558	464	464	379

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# Risk and Protective Factors

Most Prevalent

# EYS 4<sup>th</sup> Grade - Risk and Protective Factors

- ▶ Sensation Seeking 22.1%
- ▶ Antisocial Behavior 20.1
- ▶ Lack Attachment to School 16.2%
- ▶ Lack Attachment to Family 15.9%
- ▶ Rebelliousness 15.5%

# Most Prevalent Factors

## 6th Grade

	2023
	782
Lack Opportunities for Prosocial Involvement in the Community	42.0%
Sensation Seeking	22.1%
Lack Perceived Risks of Drug Use	16.2%
Impulsiveness	15.4%
Poor Family Discipline	15.3%
Community Disorganization	13.2%
Lack Opportunities for Prosocial Involvement in School	12.6%
Little Commitment to School	10.9%
Low Neighborhood Attachment	10.4%
Family History of Antisocial Behavior	10.1%

# Most Prevalent Factors

	2023
<b>8th Grade</b>	<b>751</b>
Lack Opportunities for Prosocial Involvement in the Community	47.7%
Sensation Seeking	23.5%
Low Neighborhood Attachment	17.6%
Impulsiveness	17.0%
Community Disorganization	16.2%
Little Commitment to School (R13-S)	15.8%
Lack Opportunities for Prosocial Involvement in School	13.8%
Family History of Antisocial Behavior	13.1%
Poor Family Discipline	12.1%
Lack Perceived Risks of Drug Use	11.9%
Lack Attachment to School	10.9%
Personal Transitions/Mobility	10.5%

# Most Prevalent Factors

	2023
10th Grade	603
Lack Opportunities for Prosocial Involvement in the Community	51.7%
Low Neighborhood Attachment	24.2%
Community Disorganization	21.2%
Family History of Antisocial Behavior	21.2%
Sensation Seeking	21.2%
Lack Opportunities for Prosocial Involvement in School	17.7%
Little Commitment to School	16.9%
Impulsiveness	15.4%
Lack Opportunities for Prosocial Involvement in Family	14.9%
Lack Attachment to School	14.7%
Lack Perceived Risks of Drug Use	14.4%

# Most Prevalent Factors

	2023
<b>12th Grade</b>	<b>487</b>
Lack Opportunities for Prosocial Involvement in the Community	50.7%
Low Neighborhood Attachment	29.9%
Family History of Antisocial Behavior	25.4%
Sensation Seeking	24.1%
Community Disorganization	19.1%
Lack of Family Supervision and Rules	18.5%
Parental Attitudes Favorable to Drug Use	17.7%
Lack Opportunities for Prosocial Involvement in School	16.6%
Lack Opportunities for Prosocial Involvement in Family	16.4%
Little Commitment to School	16.2%

# Overall Risk

5 or more risk factors



# Overall Risk

Number of Risk Factors	GRADE 6	GRADE 8	GRADE 10	GRADE 12
0	18.8%	14.3%	10.9%	10.8%
1	21.8%	22.3%	12.7%	13.9%
2	19.3%	16.2%	16.4%	12.9%
3	13.1%	12.5%	13.7%	12.1%
4	9.2%	9.1%	10.6%	10.2%
<b>5 or more</b>	<b>17.8%</b>	<b>25.6%</b>	<b>35.7%</b>	<b>40.1%</b>
N=	786	754	604	481

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So...

How Are We Doing?

# **Risk and Protective Factors**

**Changes from 2019 to 2023**

# Improved (Reduced Risk) - 6<sup>th</sup> Grade

Improved	2019	2023	% change 19 to 23
6th Grade	927	782	
Favorable Attitudes Toward Drug Use	4.6%	0.9%	-415.4%
Lack Rewards for Prosocial Behavior in the Community	26.4%	5.9%	-348.0%
Parental Attitudes Favorable to Drug Use	7.7%	1.9%	-303.1%
Antisocial Behavior	8.6%	2.3%	-275.2%
Lack Rewards for Prosocial Involvement in Family	16.1%	6.1%	-163.5%
Parental Attitudes Favorable to Antisocial Behavior	5.3%	2.2%	-140.3%
Family Conflict	18.2%	7.9%	-130.8%
Lack Rewards for Prosocial Involvement in School	12.6%	6.9%	-82.9%
Lack Social Skills	9.6%	5.3%	-81.1%
Lack of Family Supervision and Rules	9.9%	6.9%	-43.8%

# Improved (Reduced Risk) - 8<sup>th</sup> Grade

	2019	2023	% change 19 to 23
8th Grade	873	751	
Lack Rewards for Prosocial Behavior in the Community	23.0%	7.2%	-219.8%
Lack Social Skills	15.0%	5.8%	-158.7%
Rewards for Antisocial Involvement	6.6%	3.2%	-107.6%
Lack Rewards for Prosocial Involvement in School	15.2%	8.6%	-77.1%
Lack Attachment to Family	10.2%	7.0%	-45.6%
Lack a Belief in Moral Order	4.7%	3.3%	-42.3%
Family Conflict	8.5%	6.1%	-39.0%
Lack Attachment to School	14.9%	10.9%	-36.5%

# Improved (Reduced Risk) - 10<sup>th</sup> Grade

	2019	2023	% change 19 to 23
10th Grade	805	603	
Lack Social Skills	15.4%	4.3%	-258.2%
Friend Use Drugs	7.7%	2.5%	-208.1%
Lack Rewards for Prosocial Behavior in the Community	26.2%	9.1%	-188.0%
Lack a Belief in Moral Order	6.0%	3.6%	-65.6%
Perceived Availability of Drugs	4.5%	3.3%	-35.5%
Interaction With Antisocial Peers	8.1%	6.0%	-34.6%
Rewards for Antisocial Involvement	8.2%	6.5%	-26.1%

# Improved (Reduced Risk) - 12<sup>th</sup> Grade

	2019	2023	% change 19 to 23
<b>12th Grade</b>	<b>776</b>	<b>487</b>	
Lack Rewards for Prosocial Behavior in the Community	26.5%	9.4%	-182.4%
Lack Social Skills	15.6%	6.2%	-151.5%
Friend Use Drugs	10.2%	4.4%	-131.4%
Interaction With Antisocial Peers	9.7%	4.2%	-130.1%
Favorable Attitudes Toward Drug Use	9.4%	5.8%	-62.2%
Lack a Belief in Moral Order	5.7%	4.4%	-28.9%
Perceived Availability of Drugs	9.1%	7.5%	-22.0%

# Improved (Reduced Risk) - Compared to Others

	Comparison Co		Wayne Co	Comparison Co		Wayne Co		
Five or More Risk Factors	2013	2013	2013 Ratio	2023	2023	2023 Ratio	Change in Ratio	
6th Grade	9.9%	30.7%	3.1	19.0%	17.8%	0.9	-231.0%	
8th Grade	32.5%	25.2%	0.8	42.6%	25.6%	0.6	-29.0%	
10th Grade	29.0%	48.8%	1.7	38.6%	35.7%	0.9	-81.9%	
12th Grade	40.4%	52.7%	1.3	47.9%	40.1%	0.8	-55.8%	



Still Some Work to Do

Some Factors got worse - Increased Risk

# Lost Ground (Increased Risk) - 6<sup>th</sup> Grade

Lost Ground	2019	2023	% change 19 to 23
6th Grade	927	782	
Little Commitment to School	2.9%	10.9%	73.3%
Impulsiveness	5.5%	15.4%	64.3%
Lack Opportunities for Prosocial Involvement in the Community	16.8%	42.0%	59.9%
Poor Family Discipline	6.1%	15.3%	59.8%
Favorable Attitudes Toward Antisocial Behavior	3.1%	5.9%	47.0%
Family History of Antisocial Behavior	6.3%	10.1%	38.1%

# Lost Ground (Increased Risk) - 8<sup>th</sup> Grade

	2019	2023	% change 19 to 23
8th Grade	873	751	
Lack Opportunities for Prosocial Involvement in the Community	13.1%	47.7%	72.6%
Family History of Antisocial Behavior	6.4%	13.1%	51.0%
Lack Rewards for Prosocial Involvement in Family	5.3%	8.5%	38.0%
Little Commitment to School	10.1%	15.8%	36.2%
Impulsiveness	11.2%	17.0%	34.0%
Parental Attitudes Favorable to Drug Use	3.0%	4.5%	33.8%
Personal Transitions/Mobility	7.6%	10.5%	28.0%
Perceived Availability of Drugs	2.1%	2.8%	26.4%

# Lost Ground (Increased Risk) - 10<sup>th</sup> Grade

	2019	2023	% change 19 to 23
10th Grade	805	603	
Lack Opportunities for Prosocial Involvement in the Community	14.2%	51.7%	72.6%
Lack Rewards for Prosocial Involvement in Family	6.1%	12.9%	52.8%
Family History of Antisocial Behavior	10.3%	21.2%	51.4%
Parental Attitudes Favorable to Antisocial Behavior	5.5%	10.4%	47.4%
Personal Transitions/Mobility	7.3%	12.7%	42.3%
Little Commitment to School	9.9%	16.9%	41.2%
Parental Attitudes Favorable to Drug Use	5.7%	8.3%	31.2%
Community Disorganization	15.5%	21.2%	26.8%

# Lost Ground (Increased Risk) - 12<sup>th</sup> Grade

	2019	2023	
<b>12th Grade</b>	<b>776</b>	<b>487</b>	<b>% change 19 to 23</b>
Lack Opportunities for Prosocial Involvement in the Community	15.7%	50.7%	69.0%
Lack Rewards for Prosocial Involvement in Family	7.2%	14.6%	50.6%
Parental Attitudes Favorable to Antisocial Behavior	6.8%	12.9%	47.1%
Personal Transitions/Mobility	7.6%	12.3%	38.2%
Favorable Attitudes Toward Antisocial Behavior	8.8%	12.9%	32.1%
Family History of Antisocial Behavior	17.5%	25.4%	31.0%
Lack Attachment to Family	10.8%	15.0%	27.8%
Parental Attitudes Favorable to Drug Use	13.0%	17.7%	26.5%

# Prevent, Reduce, or Mitigate?

- ▶ Some factors can be prevented. Lack of attachment to community might be prevented if young people have access to and utilize resources.
- ▶ Some can be reduced. Self-efficacy can be increased through several strategies including opportunity to succeed and modeling other.
- ▶ Some can only be mitigated. Adverse Childhood Experiences cannot be undone but the impact can be mitigated through trauma informed education and intervention.

# Where do we go from here?

- ▶ Strategic Planning Process
  - ▶ Review additional data/results.
    - ▶ CAMI
    - ▶ SRO
    - ▶ LST
    - ▶ Project-specific data, (e.g., School Counselling, TFI)
  - ▶ Prevent, Reduce, or mitigate.
  - ▶ Work on the “Why Here?”
  - ▶ Review and match needs to resources.



Evalumetrics Research

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