



# MINNESOTA STUDENT SURVEY (MSS)

## *2016 STUDENT ACE DATA*

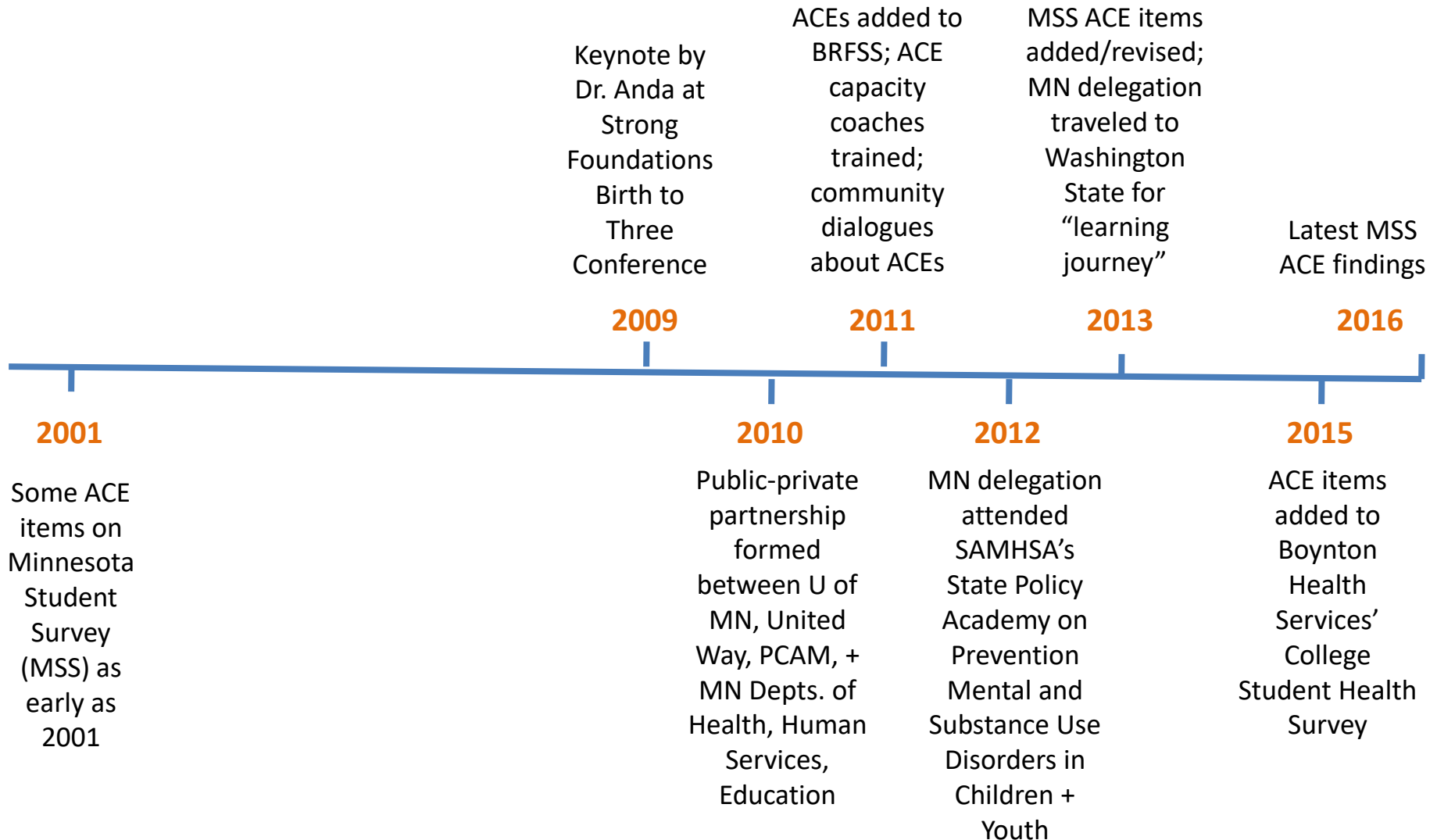
**Minnesota State Epidemiological Outcomes Workgroup**

Compiled by EpiMachine, LLC on behalf of the Minnesota Department of Human Services, Alcohol and Drug Abuse



**mi** DEPARTMENT OF  
HUMAN SERVICES

# Minnesota Timeline



# Minnesota student survey

- Collaboration between Minnesota Schools and Depts. of Education, Health, Human Services, and Public Safety
- Administered in first half of 2016 to students in grades 5, 8, 9, and 11
- 85% of public school districts participated in 2016
- Statewide sample size = 168,733



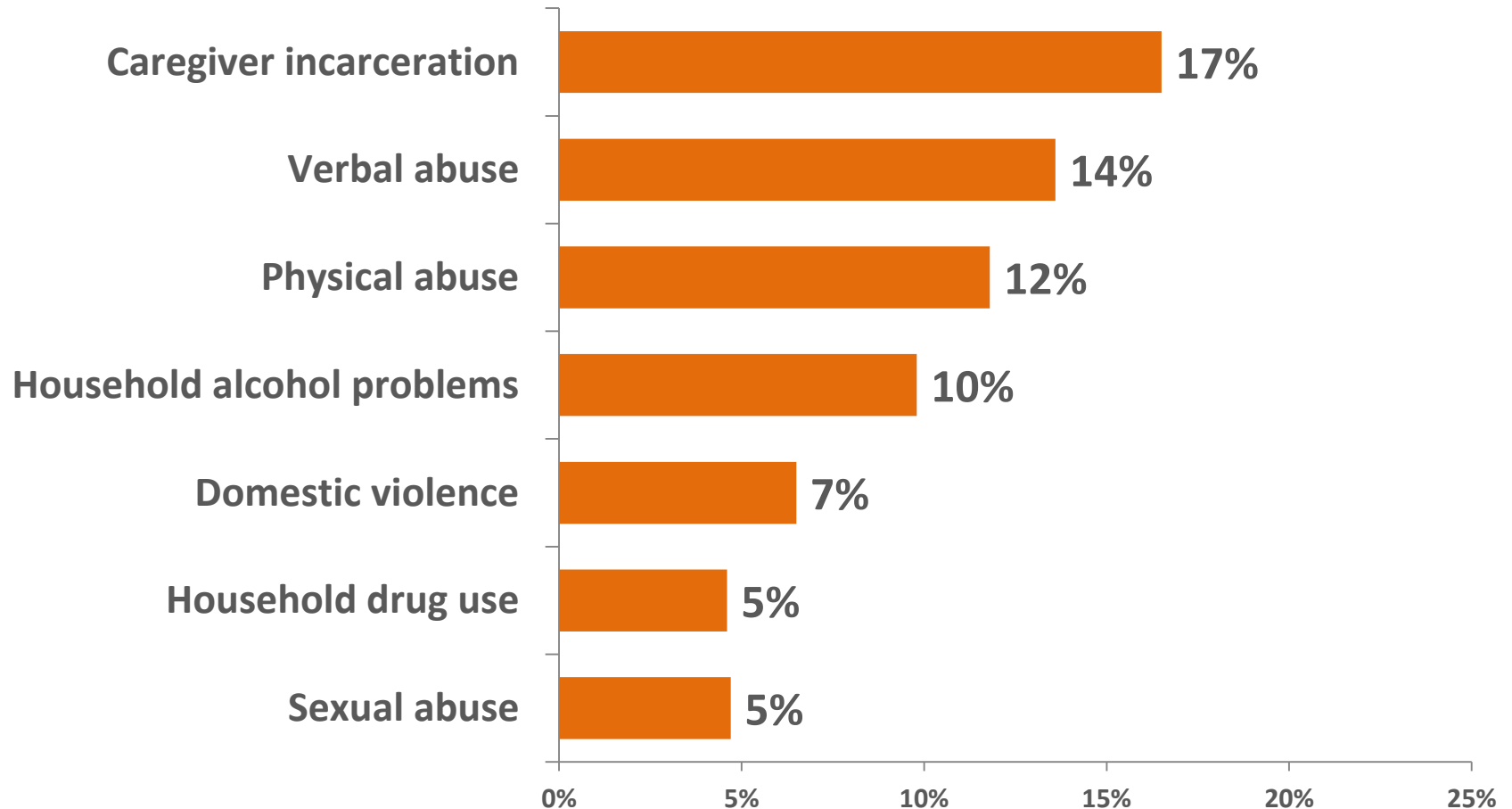
# Seven\* ACE Items

- Incarcerated parent/caregiver
- Living with someone who drinks too much alcohol
- Living with someone who uses illegal drugs or abuses prescription drugs
- Verbal abuse
- Physical abuse
- Household domestic abuse
- Sexual abuse

\*Some people include additional items, such as measures of poverty and/or dating violence

# Frequency of ACE Categories among Minnesota 8th, 9th, and 11th Graders

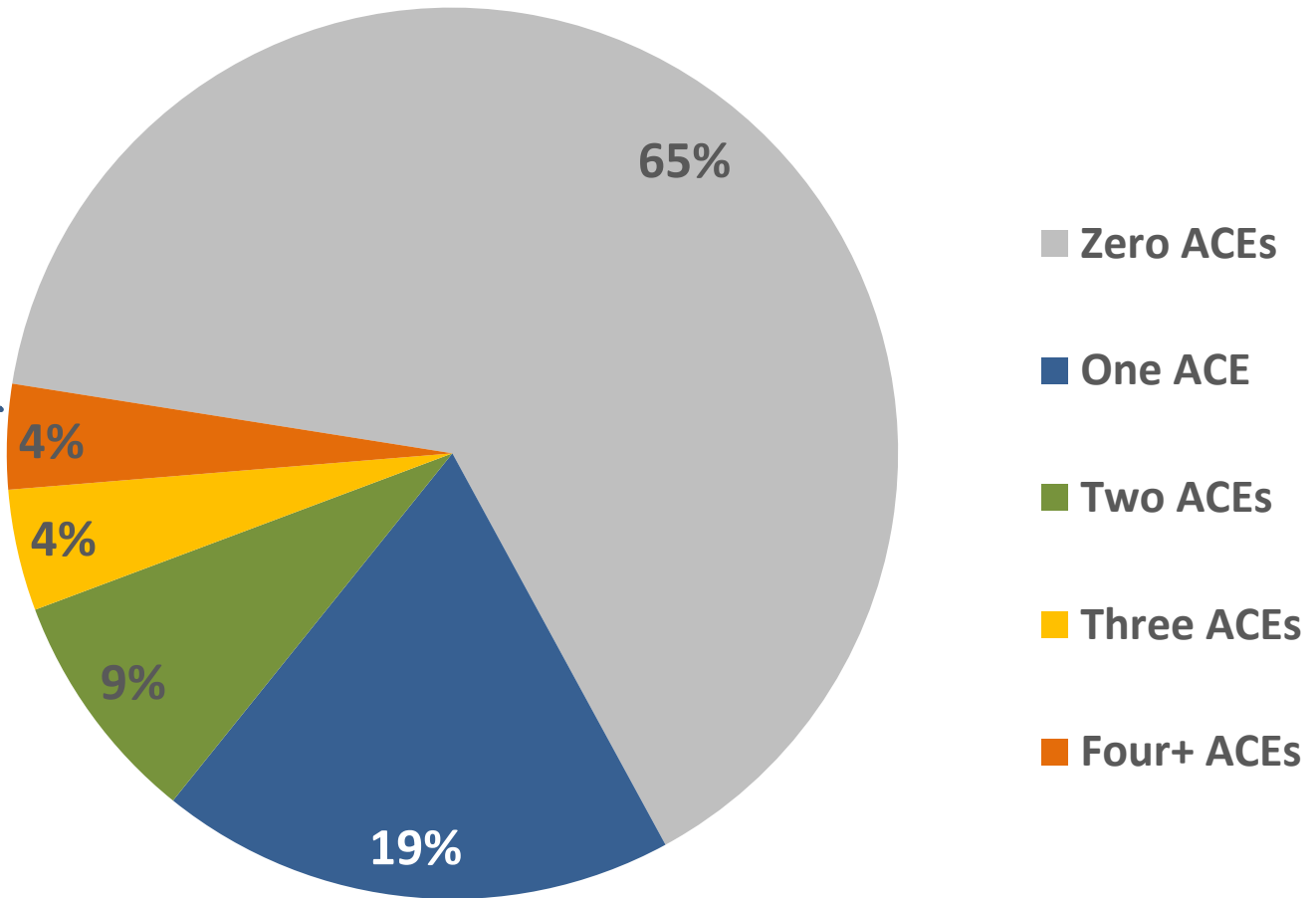
2016 MSS



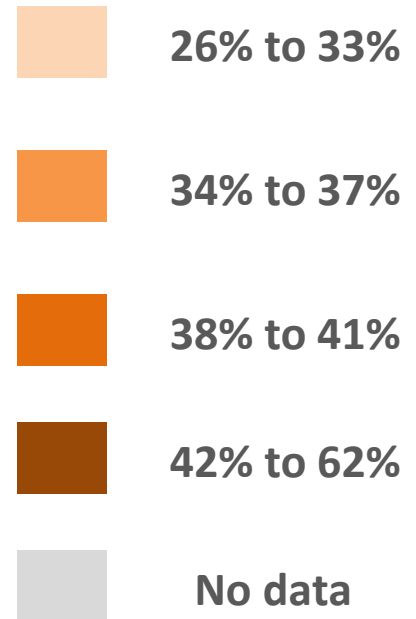
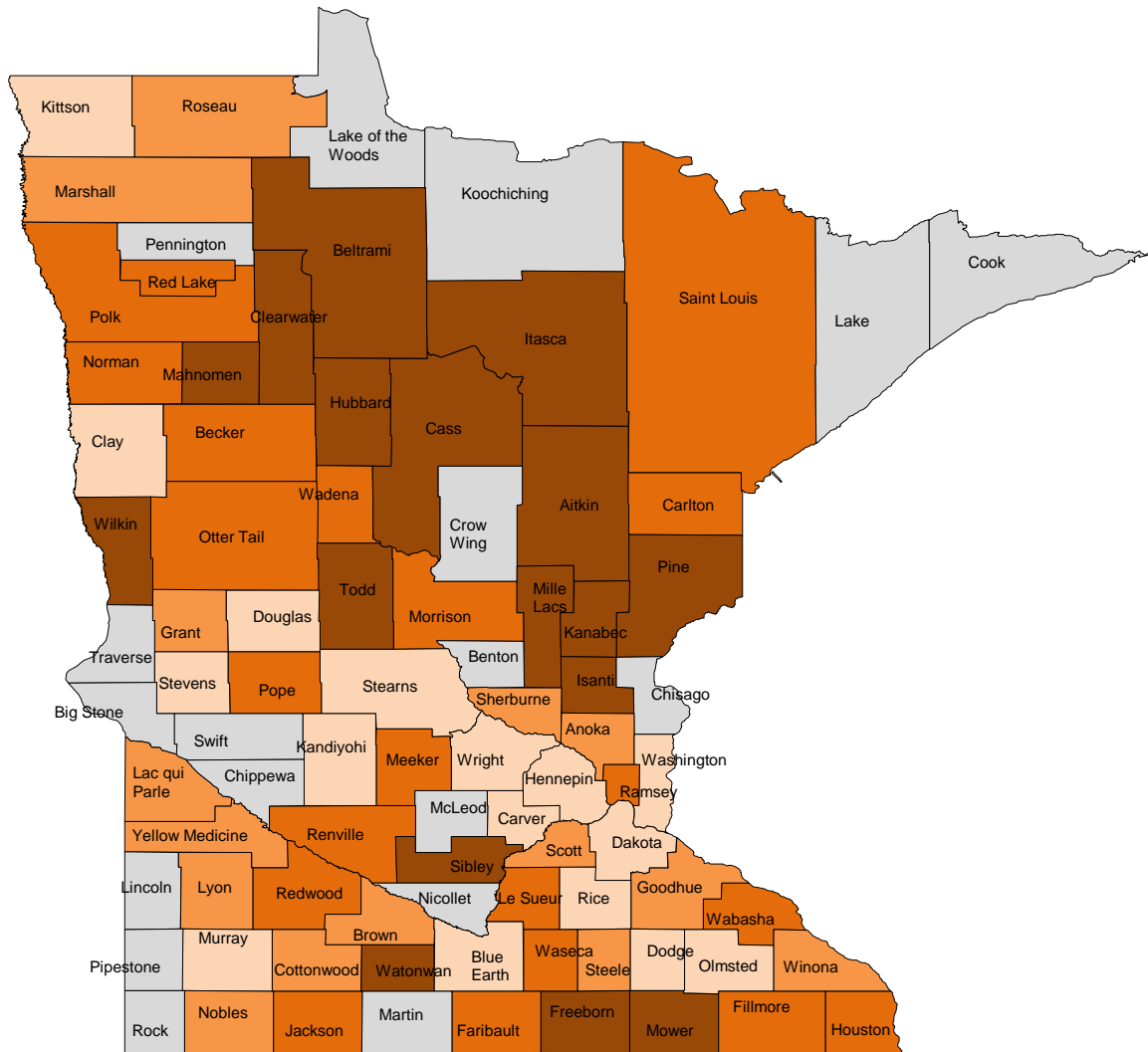
# Number of ACEs Reported by Minnesota 8th, 9th, and 11th Graders

2016 MSS

8<sup>th</sup> graders were  
*as likely as* 11<sup>th</sup>  
graders to report  
4+ ACEs

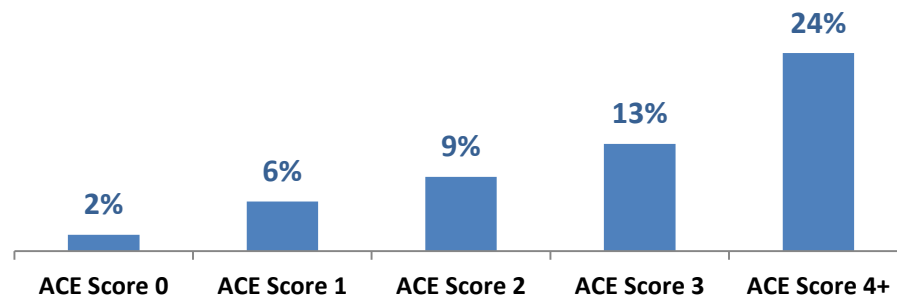
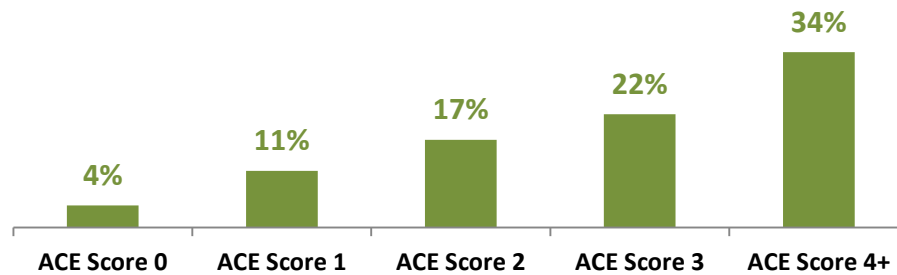
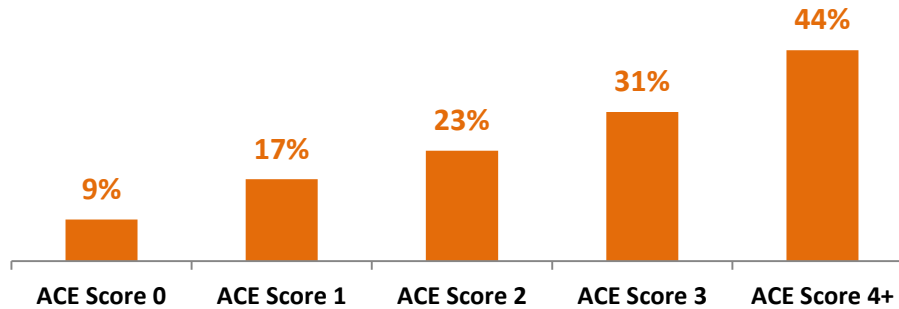


# Percentage of Minnesota 8<sup>th</sup>, 9<sup>th</sup>, and 11<sup>th</sup> Graders Reporting One+ ACEs, MSS 2016



# ACEs + Past Month Substance Use

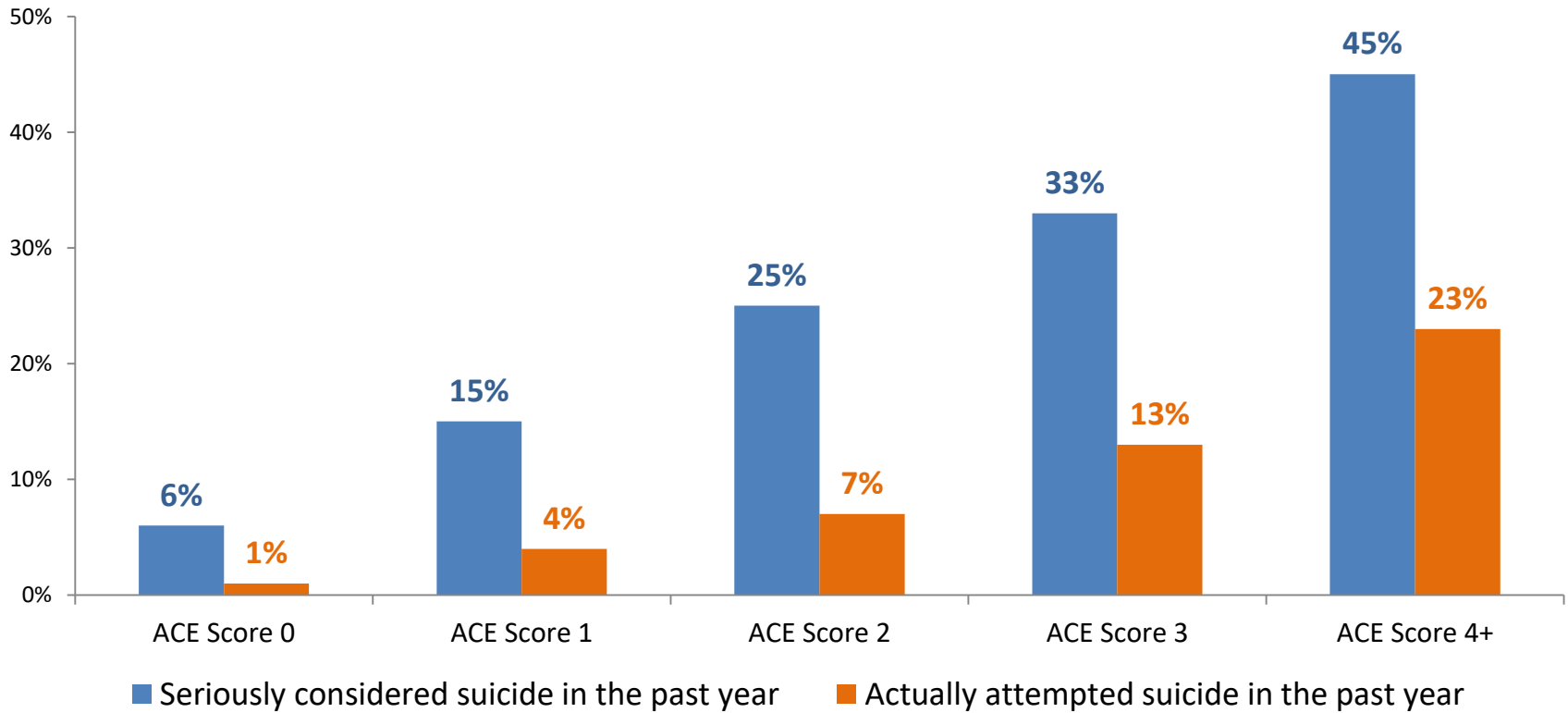
MSS 2016



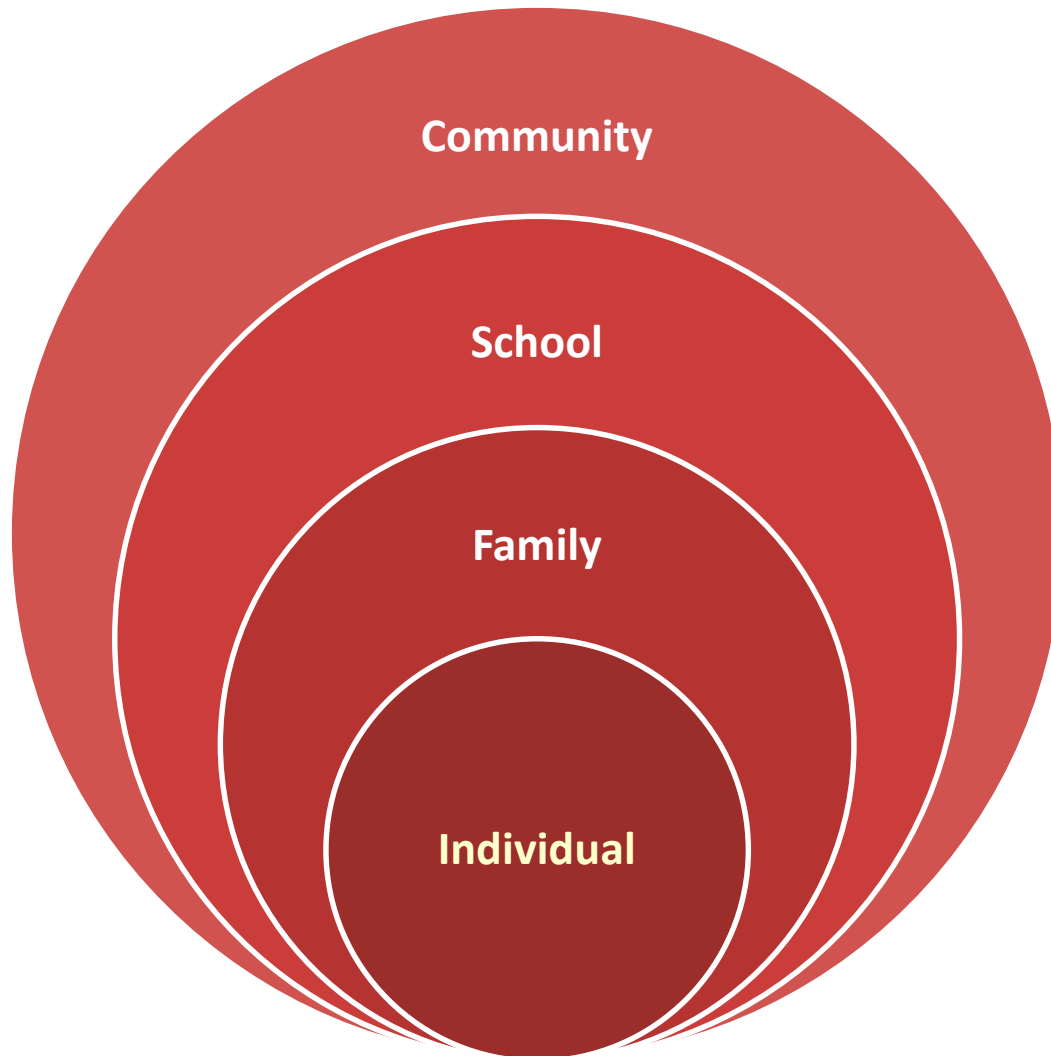


# ACES + Suicidal Ideation/Attempt

Minnesota 8th, 9th, and 11th Graders Reporting Past Year Suicidal Ideation and Attempts, by ACE Score, 2016 MSS



# Protective Factors

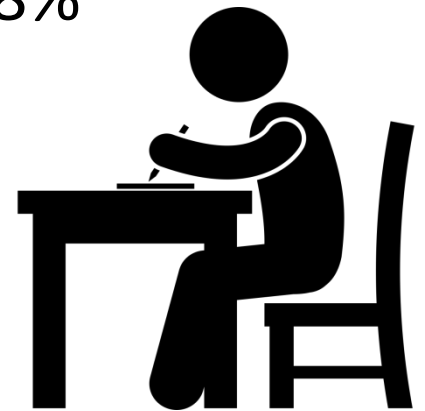


- Adults in community care
  - Neighborhood is safe
  - Participation in pro-social community activities
- Educational engagement
  - Teacher-student relationships
  - Participation in school activities
- Other adult relatives care
  - Can talk to at least one parent about problems
- Hope for future
  - Ability to make good decisions
  - Feeling valued and appreciated
  - Having useful roles

# Educational Engagement

Among those with **2+ ACEs**, students with greater educational engagement are less likely to report:

- Past month alcohol use: 23% vs. 40%
- Past month Rx misuse: 10% vs. 19%
- Past year suicidal ideation: 27% vs. 38%



# Teacher-Student Relationships

Among those with **2+ ACEs**, students with stronger teacher-student relationships are less likely to report:

- Past month alcohol use: 25% vs. 36%
- Past month Rx misuse: 9% vs. 16%
- Past year suicidal ideation: 21% vs. 35%



# Caring Adults in Community

Among those with **2+ ACEs**, students who feel adults in their community care about them are less likely to report:

- Past month alcohol use: 22% vs. 32%
- Past month Rx misuse: 9% vs. 14%
- Past year suicidal ideation: 19% vs. 35%



# Data Sharing

## How?

- Teacher in-services
- Lunch-n-learns at local clinics
- Town hall forums/  
community listening sessions
- Training for local law enforcement

## Why?

- Build buy-in for prevention efforts
- Raise awareness of local needs
- Show how community partners can enhance protective factors that buffer risks associated w/ ACEs

# Contact

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