FINDING AND USING ACES DATA FROM THE MINNESOTA STUDENT SURVEY

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

The Data

What can we learn about ACEs from the 2016 Minnesota Student Survey data?
Frequency of ACE Categories among Minnesota 8th, 9th, and 11th Graders

- Caregiver incarceration: 17%
- Verbal abuse: 14%
- Physical abuse: 12%
- Household alcohol problems: 10%
- Domestic violence: 7%
- Household drug use: 5%
- Sexual abuse: 5%

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

- Zero ACEs: 65%
- One ACE: 4%
- Two ACEs: 4%
- Three ACEs: 9%
- Four+ ACEs: 19%

8th graders were as likely as 11th graders to report 4+ ACEs.

Percentage of Minnesota 8th, 9th, and 11th Graders Reporting One+ ACEs, MSS 2016

- American Indian: 39% 52% 9%
- Asian: 64% 33% 3%
- Black: 57% 39% 5%
- Hispanic: 53% 41% 6%
- Pacific Islander: 47% 42% 10%
- White: 69% 28% 3%
- Bisexual: 37% 50% 13%
- Gay or Lesbian: 44% 46% 11%
- Heterosexual: 67% 30% 3%
- Transgender, genderfluid, genderqueer or unsure: 39% 47% 14%

ACEs by Demographic
ACEs + Past Month Substance Use
MSS 2016, Grades 8, 9 and 11

![Substance Use Chart]

ACEs + Suicidal Ideation/Attempt
MSS 2016, Grades 8, 9 and 11

![Suicidal Ideation/Attempt Chart]

Layering

![Layering Image]

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
Developmental Assets/Individual Capabilities

**EMPOWERMENT**
- I feel valued and appreciated by others
- I am included in family tasks and decisions
- I am given useful roles and responsibilities

**POSITIVE IDENTITY**
- I feel in control of my life and future
- I feel good about myself
- I feel good about my future
- I deal with disappointment without getting too upset
- I find ways to deal with the things that are hard in my life
- I am thinking about what my purpose in life is

**SOCIAL COMPETENCY**
- I say no to things that are dangerous or unhealthy
- I build friendships with other people
- I express my feelings in proper ways
- I plan ahead and make good choices
- I stay way from bad influences
- I resolve conflicts without anyone getting hurt
- I accept people who are different from me
- I am sensitive to the needs and feelings of others

ACEs + Assets

ACEs + Suicidal Ideation by Empowerment
ACEs + Marijuana Use by Empowerment

ACEs + Pain Reliever Misuse by Empowerment

ACEs + Alcohol Use by Empowerment

Attachment and Belonging

Students reporting that they feel others care about them “very much” or “quite a bit”:
- Parents care
- Other adult relatives care
- Friends care
- Teachers and other adults at school care
- Other adults in the community care
**Strategic Prevention Framework**

<table>
<thead>
<tr>
<th>SPF Step</th>
<th>Tasks</th>
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<tbody>
<tr>
<td>Assessment</td>
<td>• Review existing data on ACEs and related protective factors</td>
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<tr>
<td></td>
<td>• Collect new data on needs, resources and readiness</td>
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<tr>
<td>Capacity Building</td>
<td>• Share data with community stakeholders</td>
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<td></td>
<td>• Mobilize support for prevention efforts</td>
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<td></td>
<td>• Provide training on ACEs and resilience</td>
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<tr>
<td>Planning</td>
<td>• Prioritize which data points to act on</td>
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<td></td>
<td>• Identify strategies to implement</td>
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<tr>
<td>Implementation</td>
<td>• Implement prevention strategies with individuals, families</td>
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<td></td>
<td>• schools and communities</td>
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<tr>
<td>Evaluation</td>
<td>• Continually gather and monitor data to measure success</td>
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**Assessment and Prioritization**

- Which specific ACEs are most prevalent in your community?
- Which protective factors are most strongly associated with buffering risks?
- Which protective factors does the community most need to strengthen/enhance?
- Which factors does your community have the necessary resources and readiness to tackle?
Strength of Buffering Effect

| Relative risk among Minnesota 8th, 9th, and 11th graders reporting 4-7 ACEs |
|-----------------------------|-----------------|-----------------|-----------------|-----------------|
|                             | Empowerment     | Positive Identity | School Staff Care | Friends Care |
| Past-Year Suicidal Ideation | 2.3x            | 2.8x             | 1.5x             | 1.4x           |
| Past Two-Week Depressive Symptoms | 1.6x          | 1.7x             | 1.2x             | 1.2x           |
| Mental, Emotional or Behavioral Problem | 1.8x         | 2.2x             | 1.2x             | 1.2x           |
| Past-Month Marijuana Use    | 1.3x            | 1.5x             | 1.3x             | 1.2x           |
| Past-Year Pain Reliever Misuse | 1.6x            | 1.9x             | 1.4x             | 1.4x           |
| Past-Year Alcohol Use       | 1.3x            | 1.4x             | 1.3x             | 1.1x           |

Data Sharing

How?
• Teacher in-services
• Lunch-n-learns at local clinics
• Town hall forums/community listening sessions
• Training for local law enforcement and/or corrections

Why?
• Build buy-in for prevention efforts
• Show how your priorities relate to partners’ priorities
• Raise awareness of local needs
• Show how community partners can enhance protective factors that buffer risks associated with ACEs

Accessing the Data

ONLINE
Substance Use in MN:  
www.sumn.org
  • By county and ACE type
  • By county and protective factor

Minnesota Department of Education:  
https://w20.education.state.mn.us/MDEAnalytics/DataTopic.jsp?TOPICID=242
  • By school district and ACE type
  • By district and protective factor

REQUEST
Minnesota Communities Caring For Children:  
www.pcamn.org
  • ACE score by county

Minnesota Center for Health Statistics:  
healthstats@state.mn.us
  • MSS analysis
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