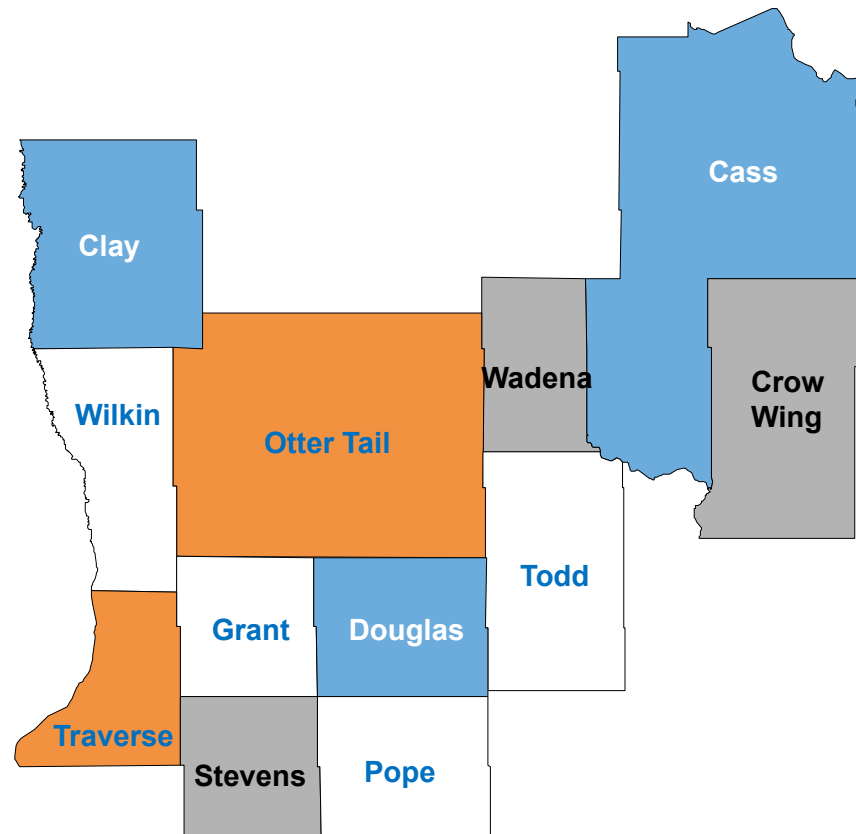


DATA COME HOME

Using Local Data to Mobilize Support for Prevention Efforts

Region 3: West Central





Consequences

Alcohol

	WEST CENTRAL REGION	MINNESOTA
2015 ARMV incident costs per capita	\$66	\$50
% of crashes that were alcohol-related in 2015	6.4%	4.9%
2015 ARMV fatalities	3 per 100,000	3 per 100,000
2015 DWI by location of residence	47.8 per 10,000	44.7 per 10,000

Tobacco

- The 2015 rate of lung, bronchus, and trachea cancer deaths for the East Central Region was 56 per 100,000 population—slightly higher than the state rate of 45
- It is estimated that 90% of lung cancer deaths among males and 79% among females are smoking-related
- According to the Surgeon General's report, smoking harms nearly every organ in the body, causing many diseases (including coronary heart disease—the leading cause of death in the US)



Minnesota Student Survey

2016 MSS

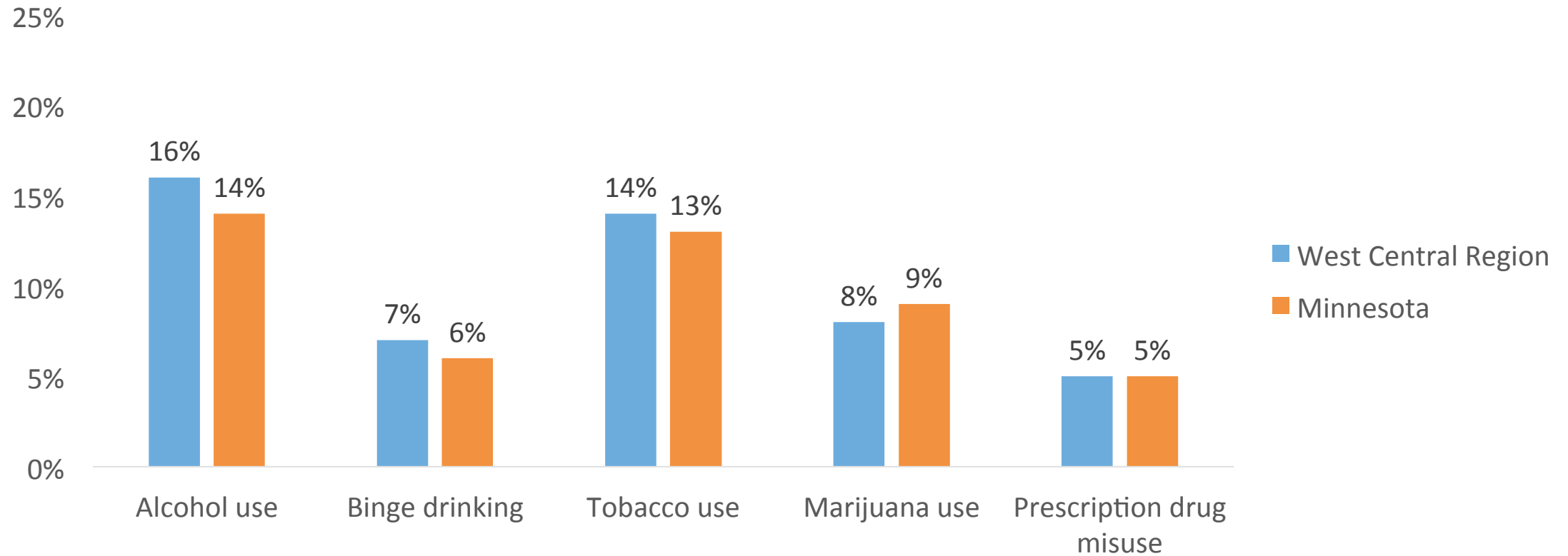
- Administered in the first half of 2016 to public school students in grades 5, 8, 9, and 11
- 85.5% of public operating school districts participated
- Overall participation across the four grades was approximately 66% of total enrollment
- **West Central Region students make up 6.1% of the overall statewide sample**



Substance Use

Overview

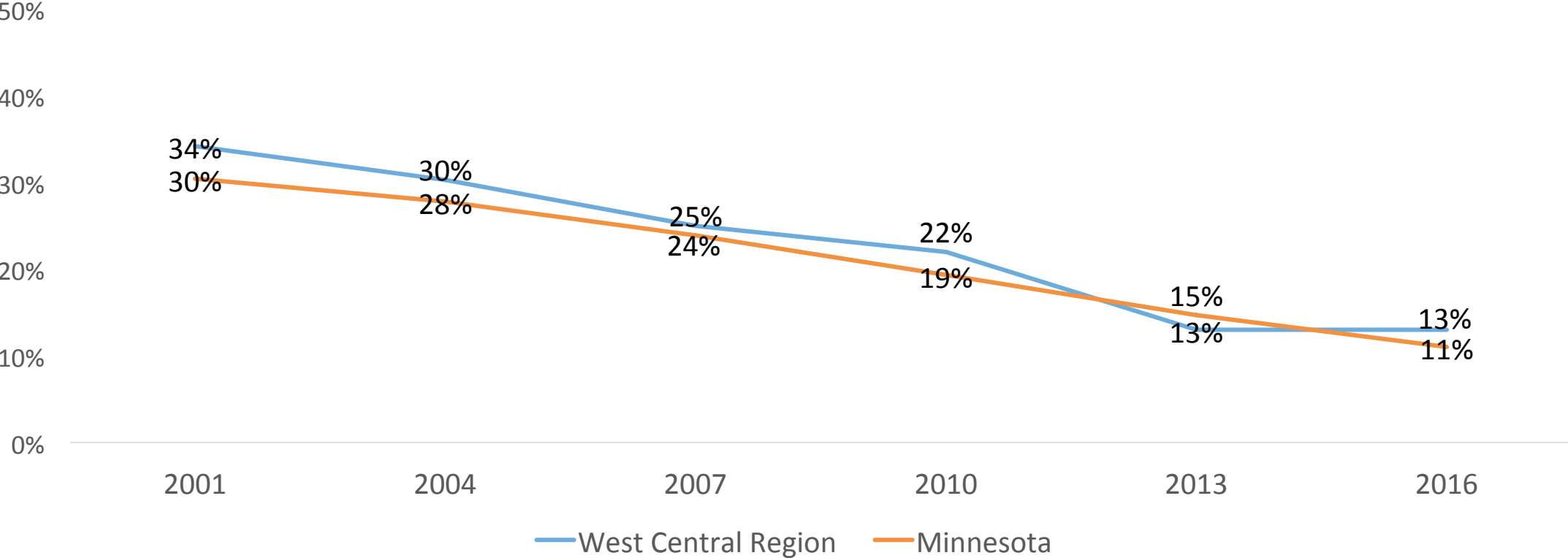
8th, 9th, + 11th Graders Reporting Past-Month Substance Use, 2016 MSS



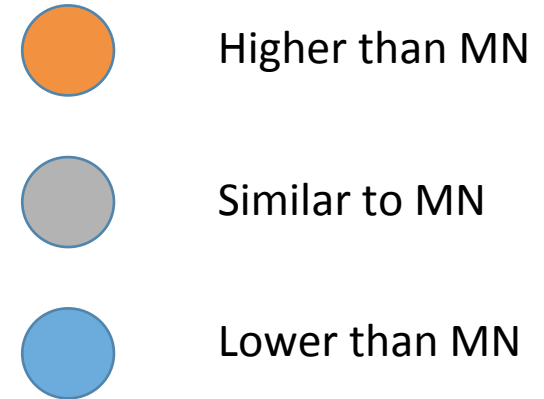
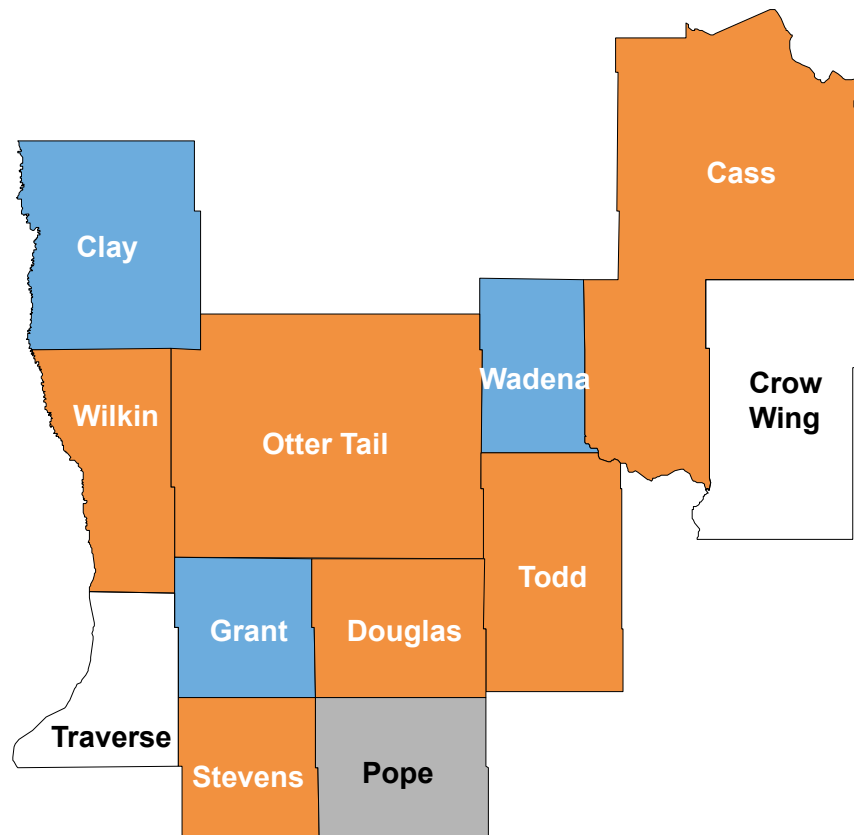
Past-Month Alcohol Use

23% of 9th graders nationally reported past-month use (2015 YRBS)

9th Graders Reporting Any Past-Month Alcohol Use, by Year, MSS



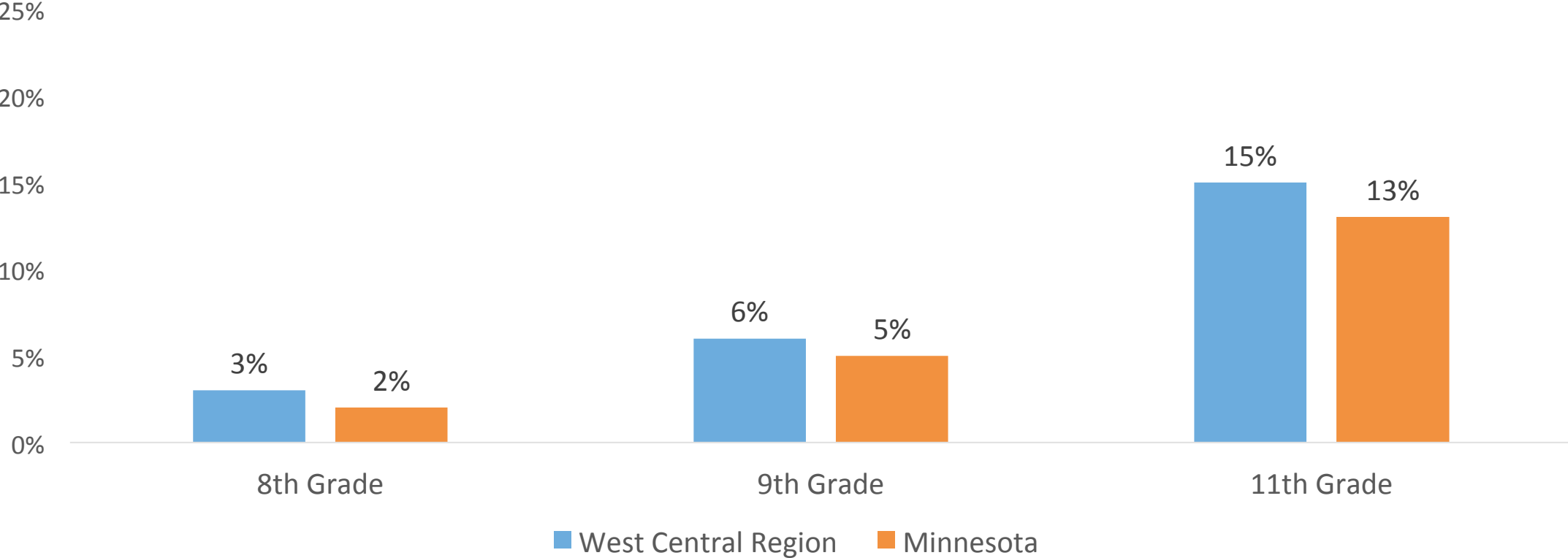
Past-Month Alcohol Use



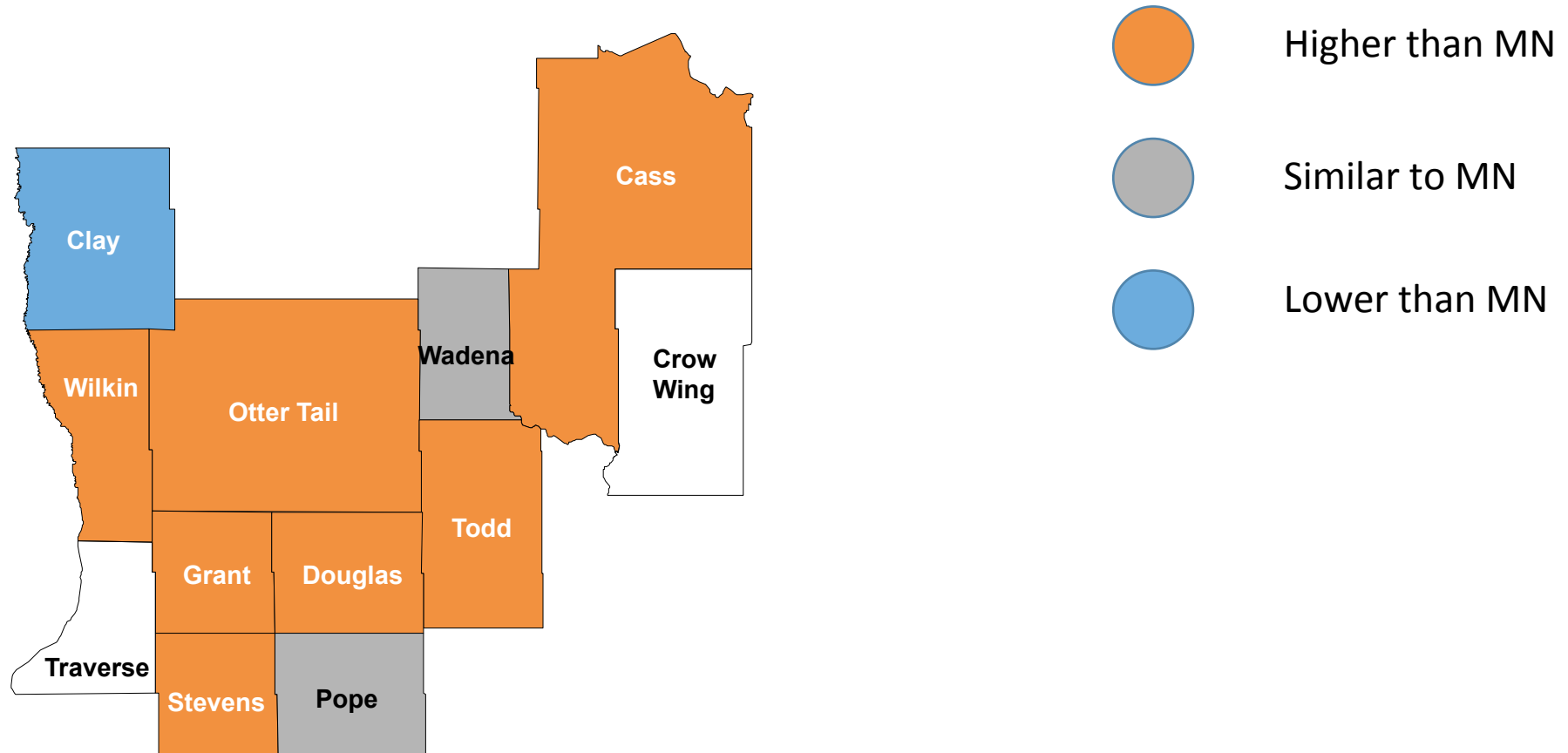
Past-Month Binge Drinking

Nationally, 10% of 9th graders + 22% of 11th graders reported past-month binge drinking (2015 YRBS)

Students Reporting Past-Month Binge Drinking, 2016 MSS



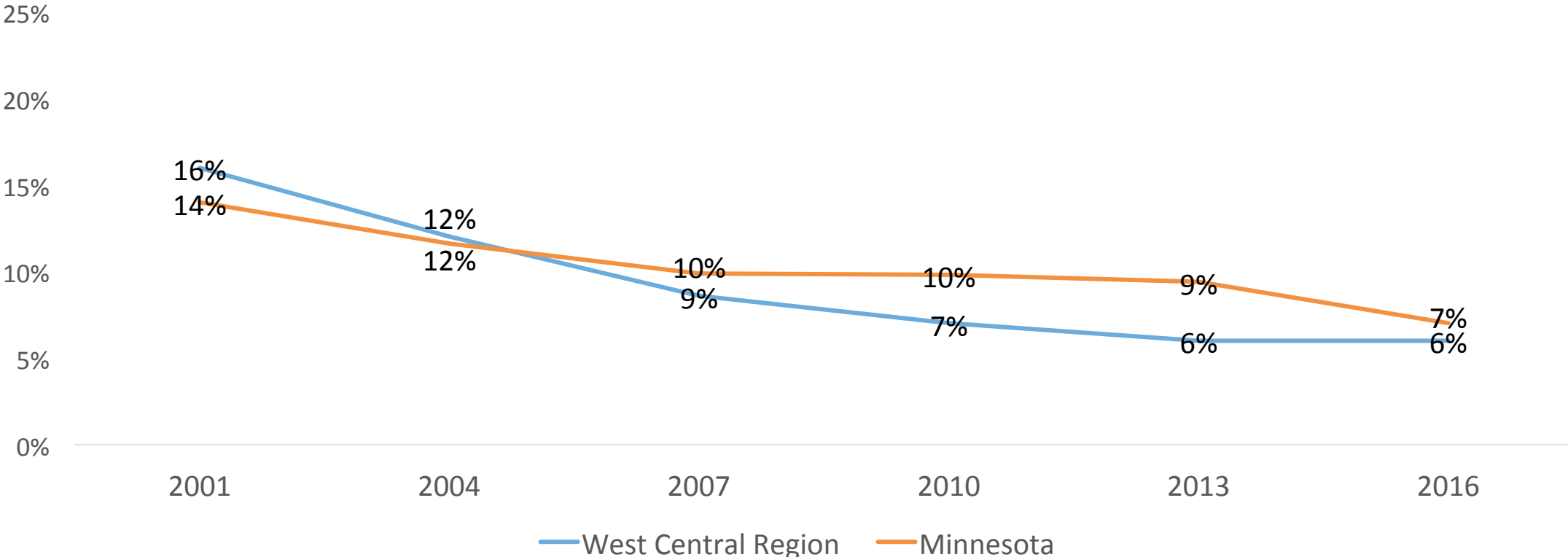
Past-Month Binge Drinking



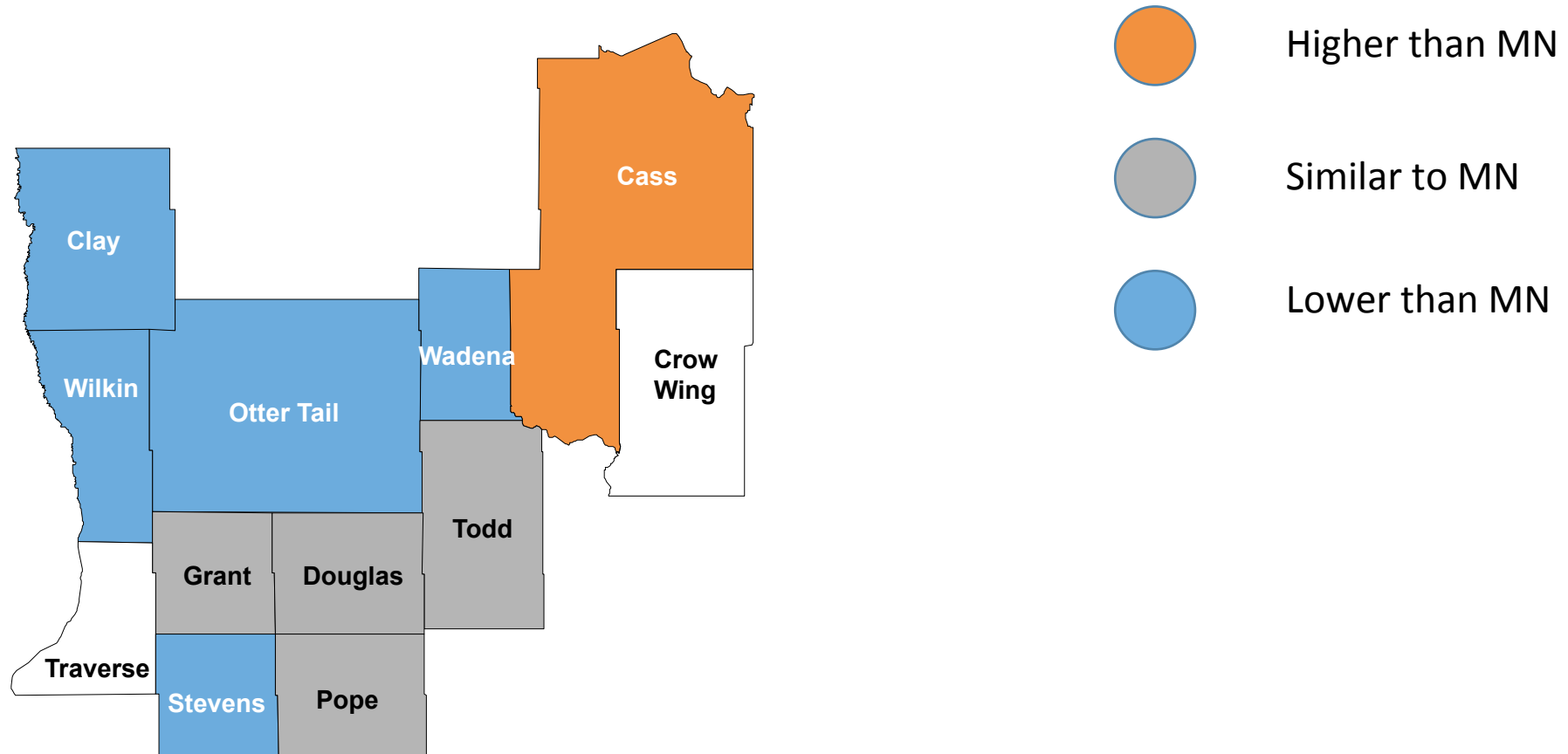
Past-Month Marijuana Use

15% of 9th graders nationally reported past-month use (2015 YRBS)

9th Graders Reporting Any Past-Month Marijuana Use, by Year, MSS

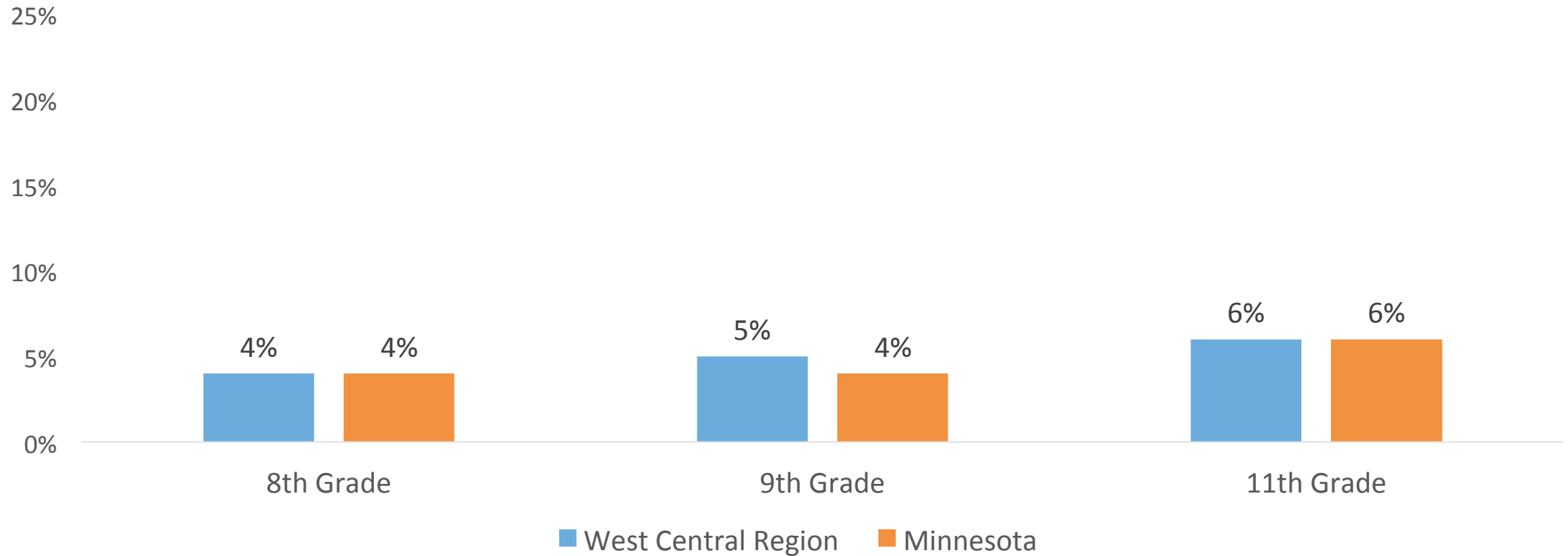


Past-Month Marijuana Use

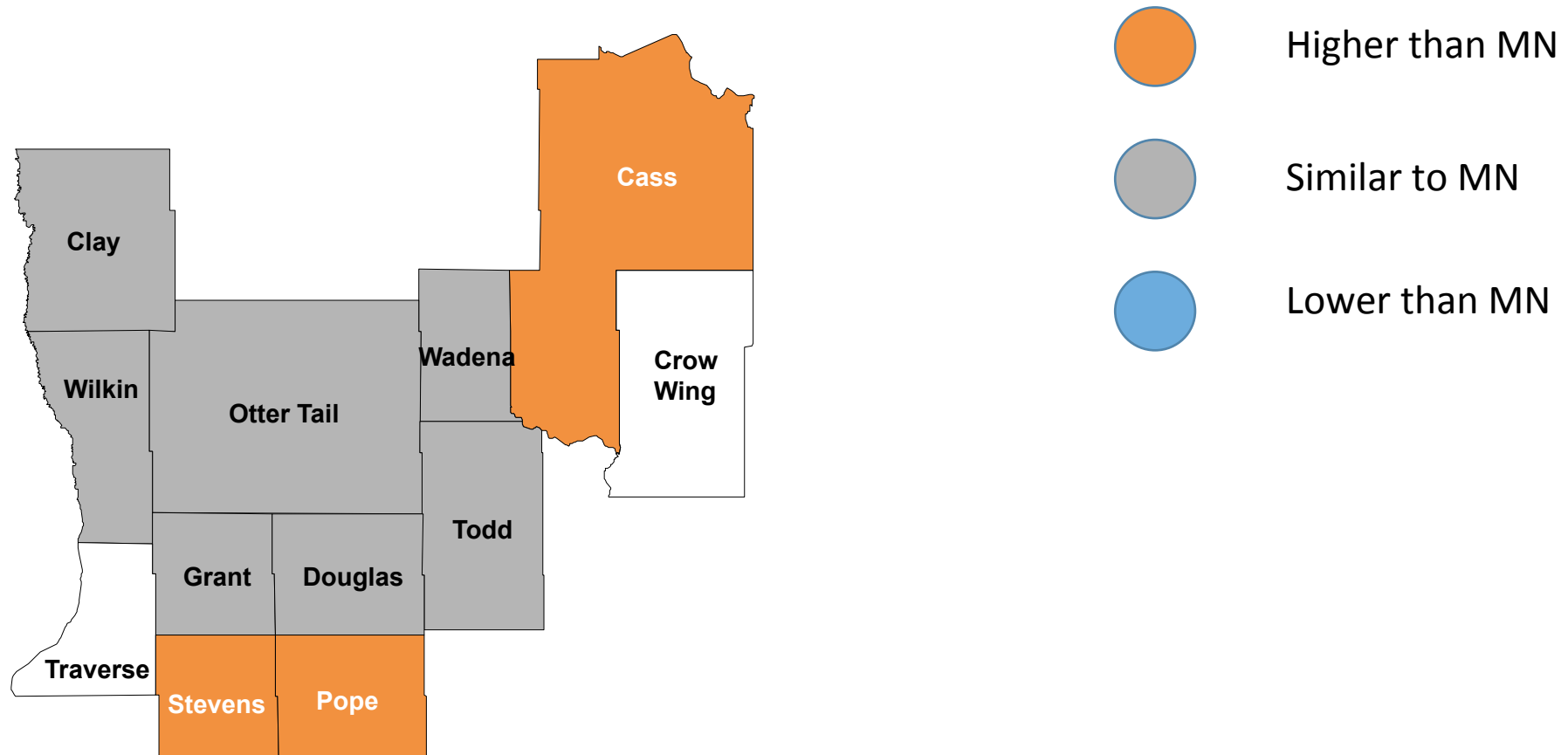


Past-Month Prescription Drug Misuse

Students Reporting Past-Month Prescription Drug Misuse, 2016 MSS



Past-Month Prescription Drug Misuse





Risk + Protective Factors

Definitions

Risk Factors

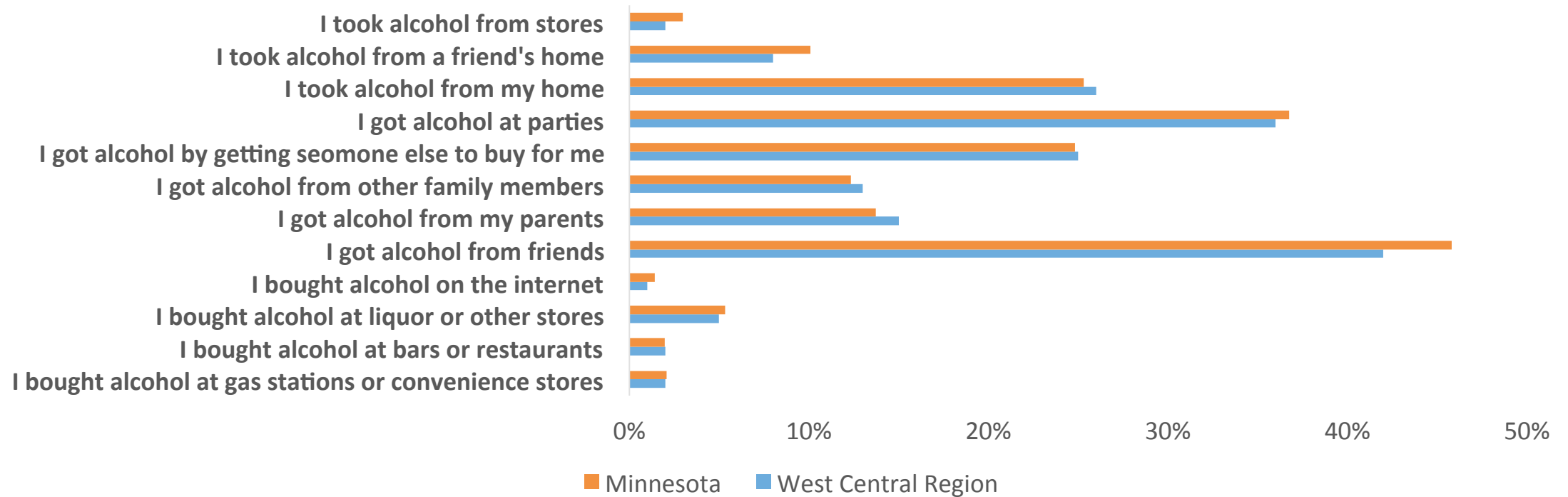
Individual characteristics and environmental influences associated with an **increased vulnerability** to the initiation, continuation, or escalation of substance use

Protective Factors

Individual resilience and other circumstances that are associated with a **reduction in the likelihood** of substance use

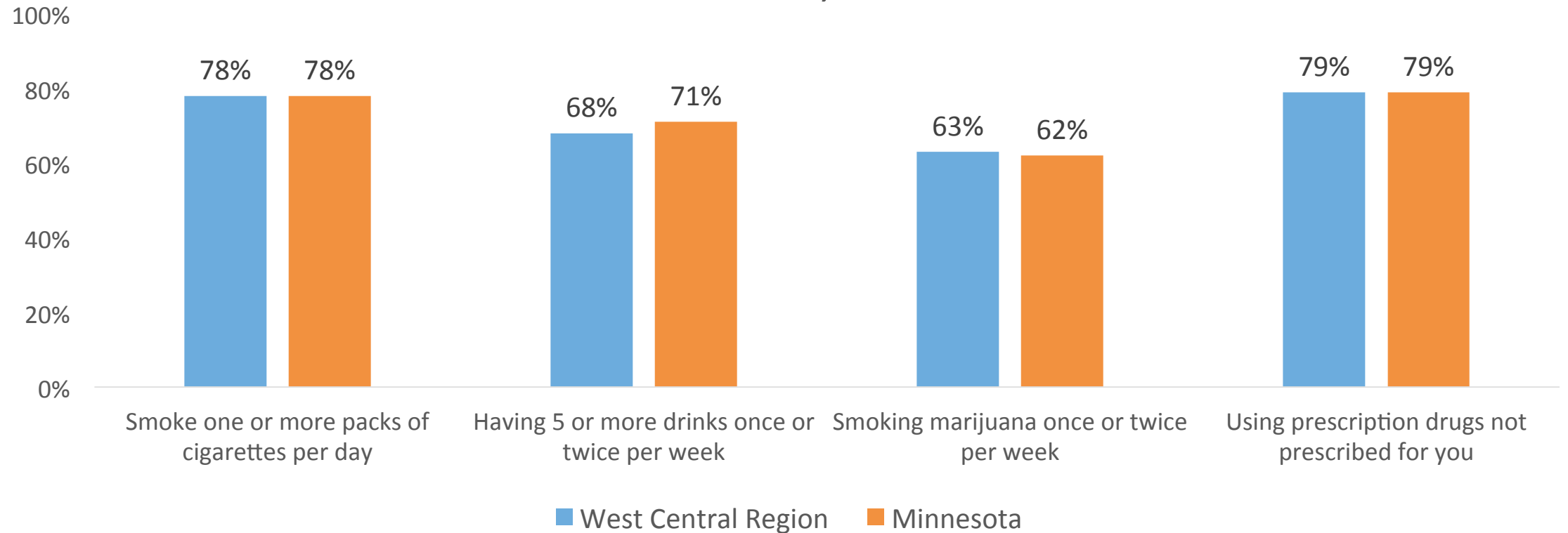
Alcohol Access (Not included on 2016 survey)

Alcohol Sources for 8th, 9th, + 11th Graders Reporting Any Past Month Use, 2013 MSS



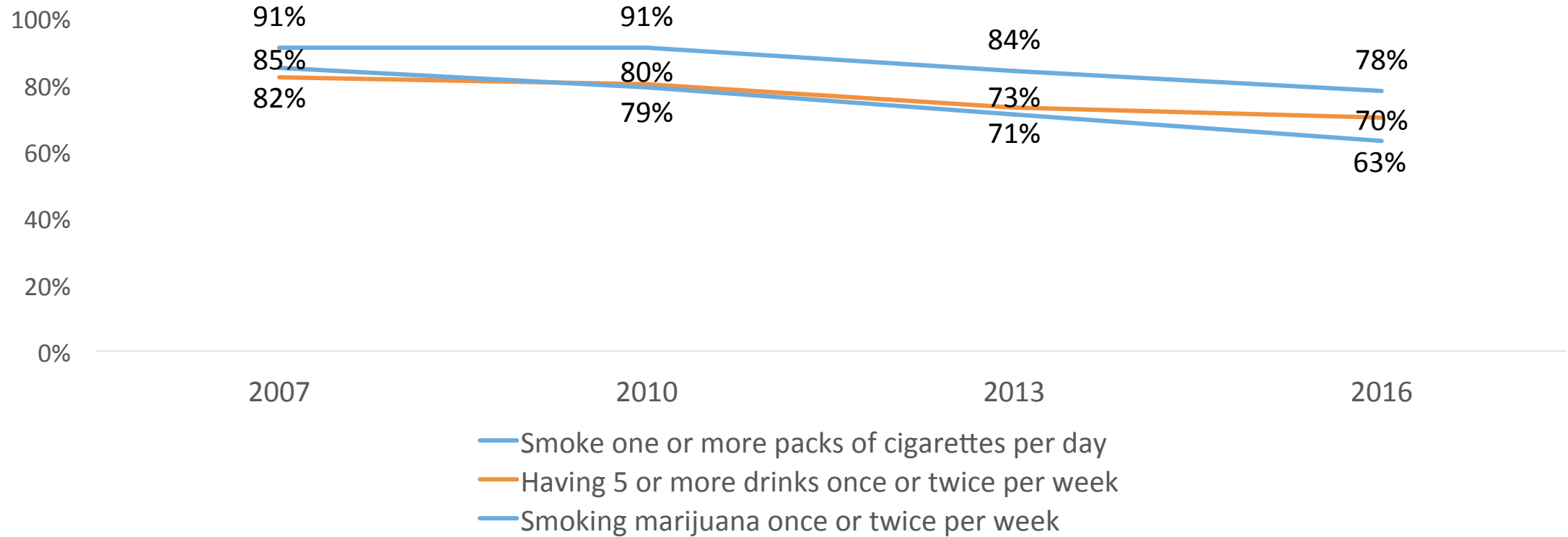
Perceived Risk of Harm

5th, 8th, 9th, + 11th Graders' Perceived Risk of Great or Moderate Harm from Substance Use, 2016 MSS



Perceived Risk of Harm

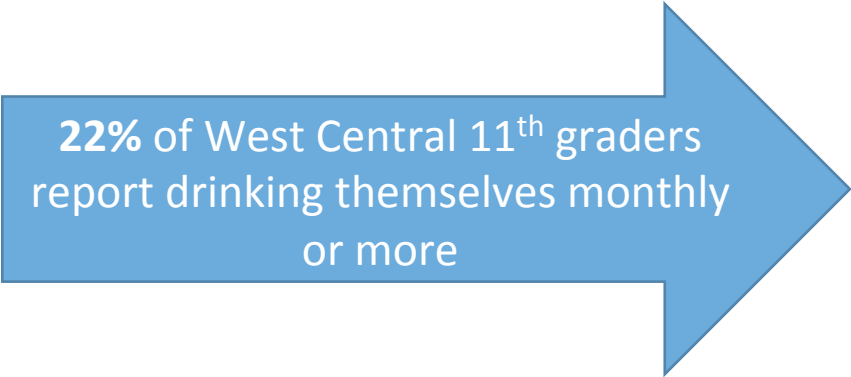
West Central 9th Graders' Perceived Risk of Great or Moderate Harm from Substance Use, by Year (MSS)



Perceived vs Actual Use



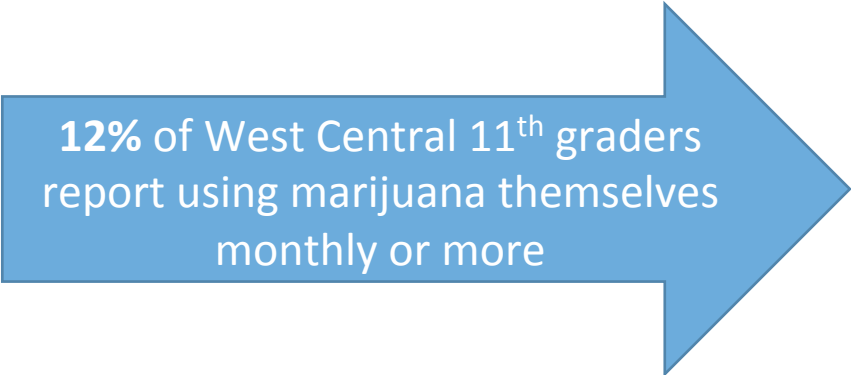
70% of West Central 11th graders think most students in their school drink monthly or more



22% of West Central 11th graders report drinking themselves monthly or more



61% of West Central 11th graders think most students in their school use marijuana monthly or more



12% of West Central 11th graders report using marijuana themselves monthly or more

Risk Ratios

- Compare level of risk between two different student groups
- Show association, *not* causation
- Can vary from community to community
- Example:

$$\frac{\text{Students getting mostly A grades}}{\text{Students who didn't drink in the past month}} : \frac{\text{Students getting mostly A grades}}{\text{Students who DID drink in the past month}}$$

Comparison Groups

Be mindful of
the comparison
groups!

West Central youth who think MOST students drink monthly or more often are **5.4x** more likely to report they drink monthly or more

vs

West Central youth who drink monthly or more often are **1.9x** more likely to say they think MOST students drink monthly or more often

West Central youth who reported being bullied in the past month are **2.3x** more likely to report past 30-day prescription drug misuse

vs

West Central youth who reported past 30-day prescription drug misuse are **1.5x** more likely to report having been bullied in the past month

Alcohol Use

Students reporting NO past-month alcohol use were...

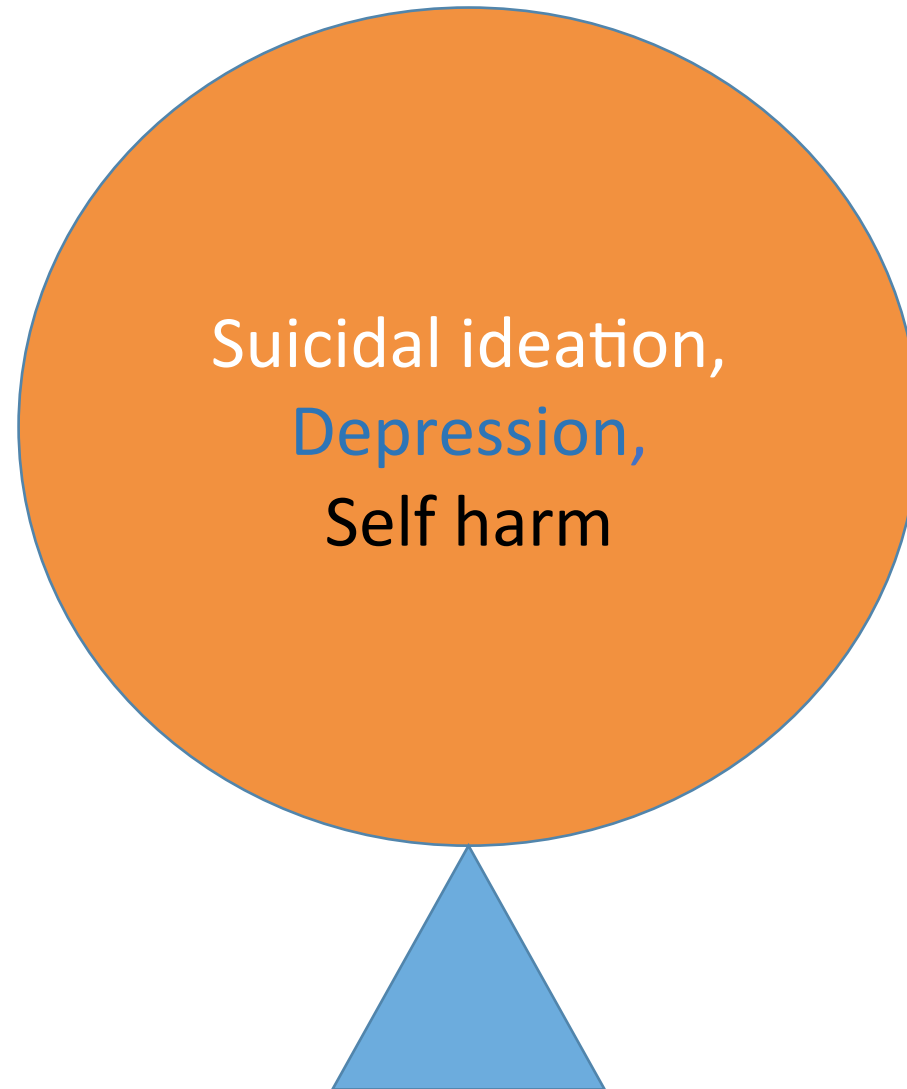
WEST CENTRAL REGION	MINNESOTA	<i>Less</i> likely to report past month use of...
Almost 8x	Almost 9x	Tobacco
Almost 11x	Almost 12x	Marijuana
Over 5x	Almost 8x	Prescription drugs not prescribed for them

Tobacco Use

Students reporting NO past-month tobacco use were...

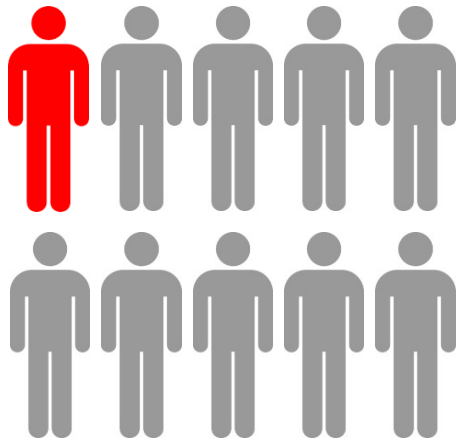
WEST CENTRAL REGION	MINNESOTA	<i>Less</i> likely to report past month use of...
Almost 7x	8x	Alcohol
Over 16x	Over 16x	Marijuana
Almost 7x	Almost 8x	Prescription drugs not prescribed for them

Mental Health



Suicidal Ideation

1 out of 10 West Central (12%) + Minnesota (also 12%) 8th, 9th, + 11th graders reported past-year suicidal ideation

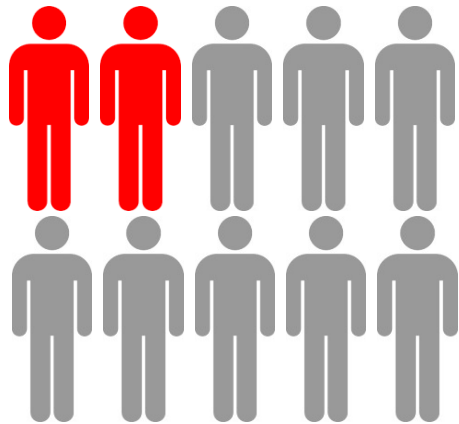


West Central students reporting past-year suicidal ideation were:

- **2.7x** more likely to report alcohol use
- **2.8x** more likely to report tobacco use
- **3.4x** more likely to report marijuana use
- **3.9x** more likely to report Rx drug misuse

Depression

Over 2 out of 10 West Central (21%) + Minnesota (22%) 8th, 9th, + 11th graders reported past-year significant problems with feeling very depressed



West Central students reporting past-year significant problems with feeling very depressed were:

- **1.9x** more likely to report alcohol use
- **2.0x** more likely to report tobacco use
- **2.2x** more likely to report marijuana use
- **2.6x** more likely to report Rx drug misuse

Self-Harm

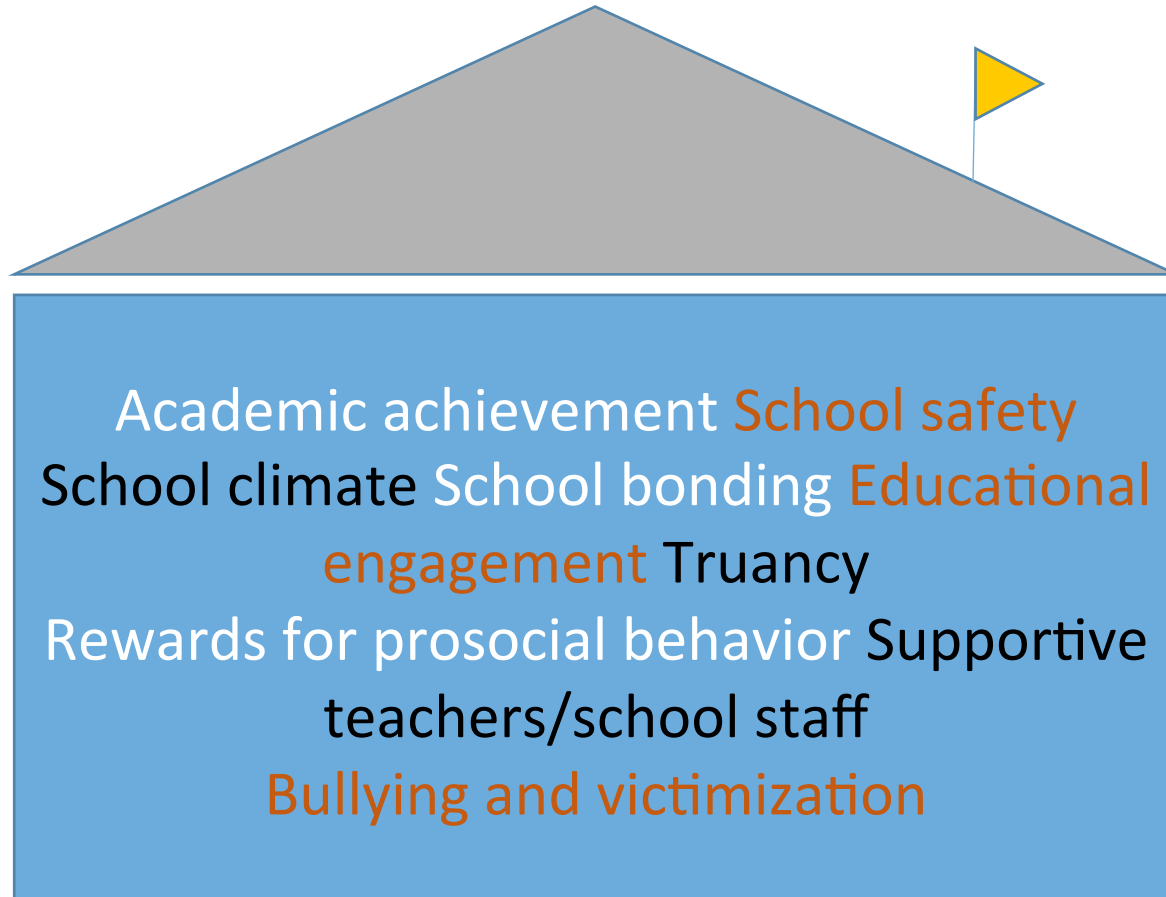
Roughly 1 out of 6 West Central (16%) + Minnesota (also 16%) 8th, 9th, + 11th graders reported past-year self-harm



West Central students reporting past-year self-harm were:

- **2.8x** more likely to report alcohol use
- **3.0x** more likely to report tobacco use
- **3.6x** more likely to report marijuana use
- **5.0x** more likely to report Rx drug misuse

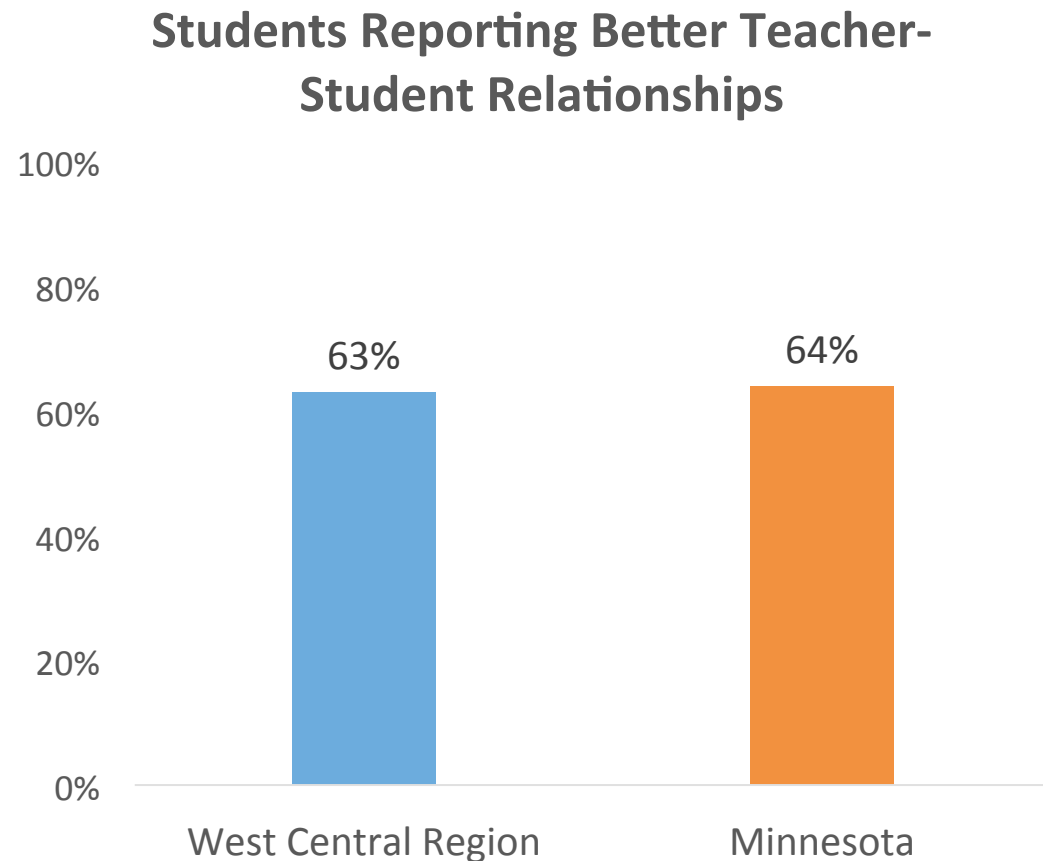
School



Teacher-Student Relationships

- Overall, adults at my school treat students fairly
- Adults at my school listen to the students
- The school rules are fair
- At my school, teachers care about students
- Most teachers at my school are interested in me as a person

Teacher-Student Relationships



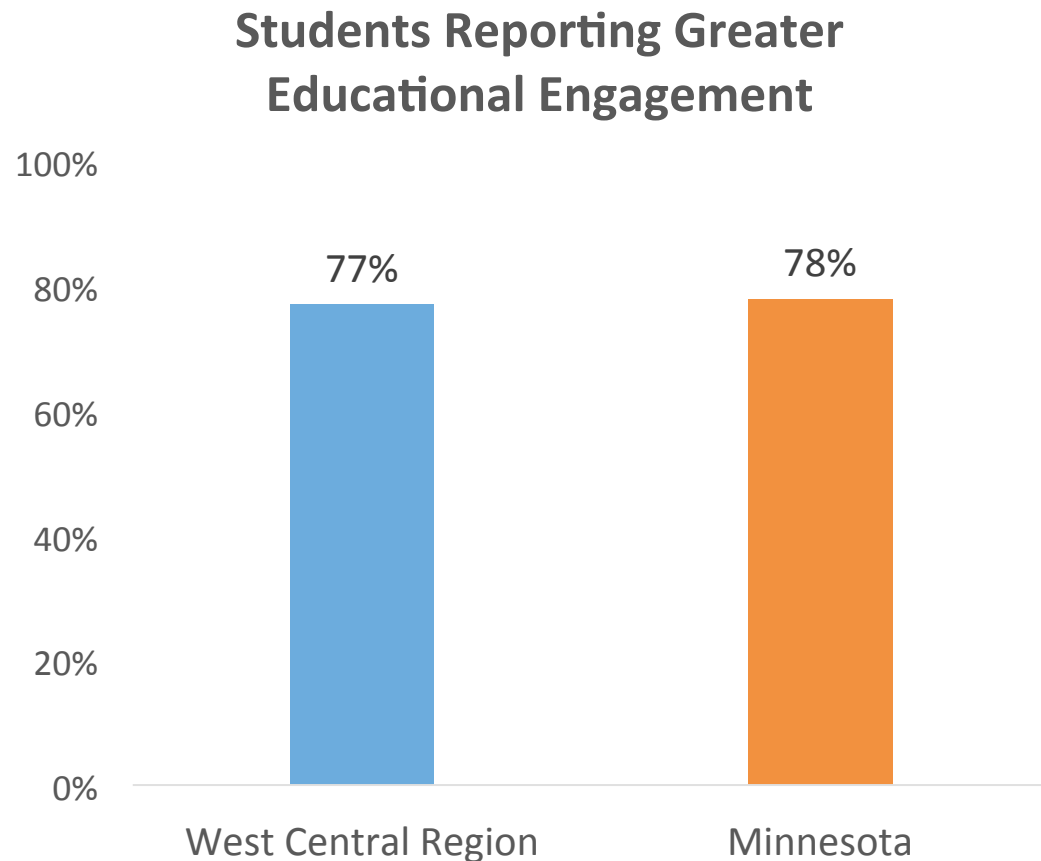
West Central students reporting better teacher-student relationships were:

- **2.2x** less likely to report alcohol use
- **2.8x** less likely to report tobacco use
- **2.8x** less likely to report marijuana use
- **3.1x** less likely to report Rx drug misuse

Educational Engagement

- How often do you care about doing well in school?
- How often do you pay attention in class?
- How often do you go to class unprepared?
- If something interests me, I try to learn more about it.
- I think the things I learn at school are useful.
- Being a student is one of the most important parts of who I am.

Educational Engagement



West Central students reporting greater educational engagement were:

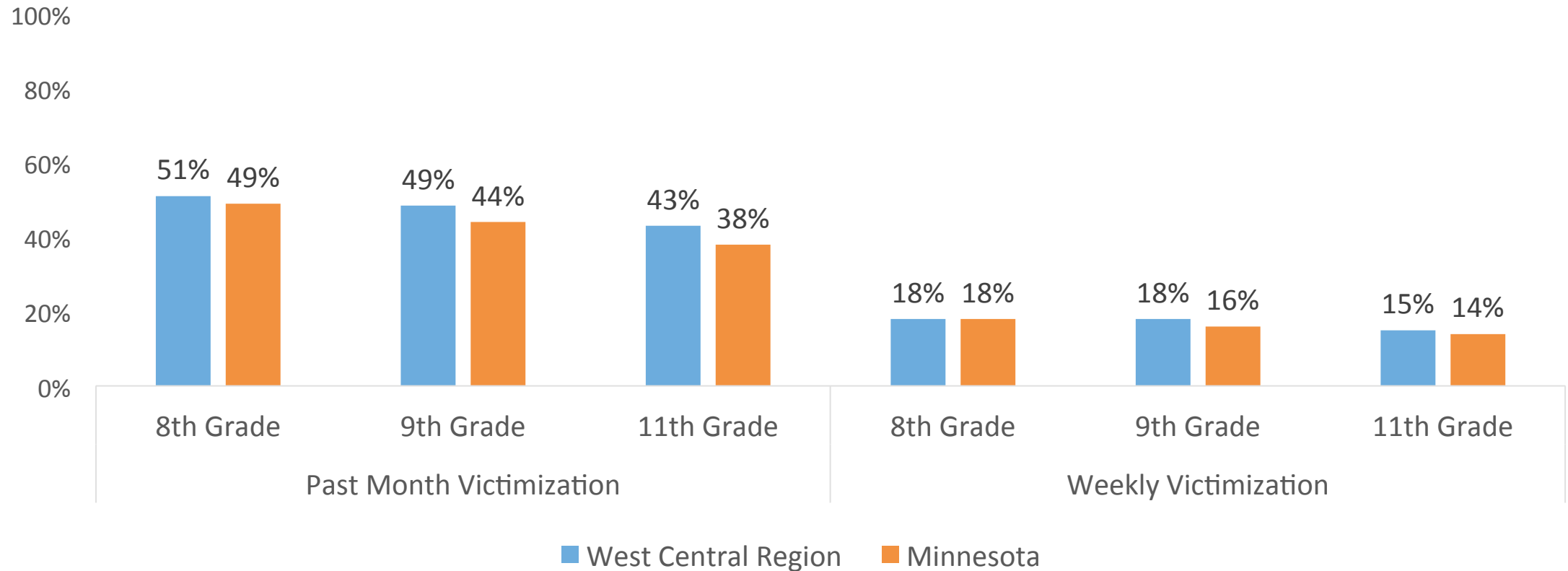
- **2.4x** less likely to report alcohol use
- **2.9x** less likely to report tobacco use
- **3.5x** less likely to report marijuana use
- **2.6x** less likely to report Rx drug misuse

Bullying

- Students spread mean rumors or lies about you once or more in past month
- Students excluded you from friends, other students, or activities in past month
- Students made sexual jokes, comments, or gestures towards you in past month
- Students pushed, shoved, slapped, hit or kicked you once or more in past month
- Students threatened to beat you up once or more in past month

Bullying

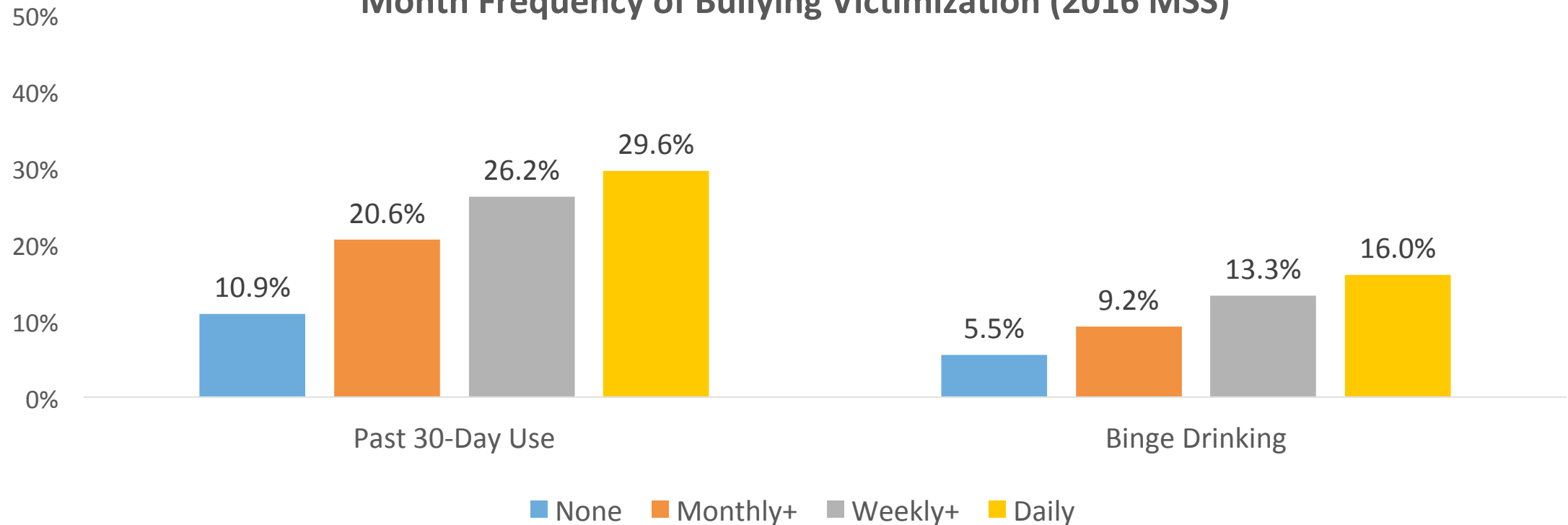
Students Reporting Bullying Victimization, by Frequency + Grade, 2016 MSS



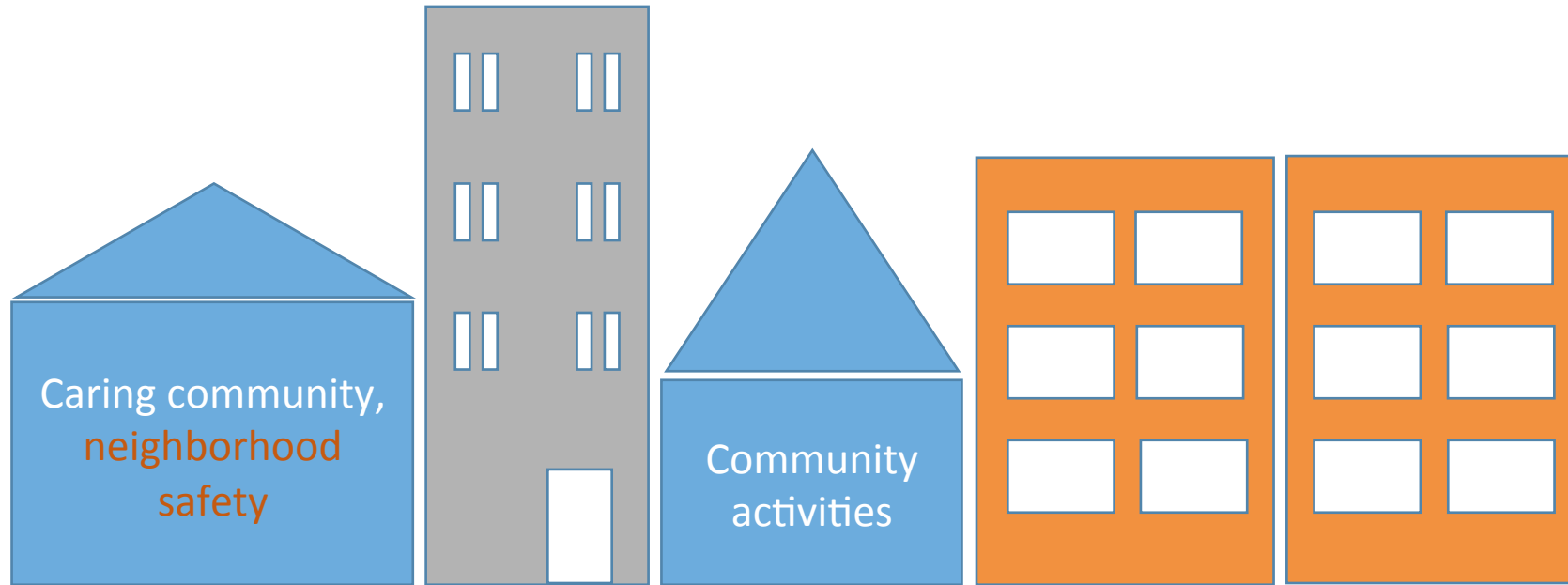
Bullying

Compared to Minnesota students who said they weren't bullied in the past month, those bullied were **3.4 times** more likely to report suicidal ideation

Minnesota Students Reporting Past Month Drinking + Binge Drinking, by Past Month Frequency of Bullying Victimization (2016 MSS)

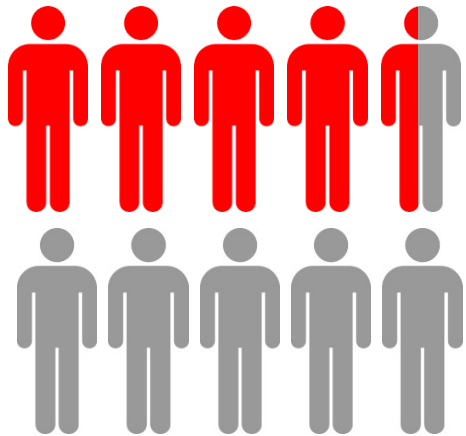


Community



Caring Community

Fewer than 5 of 10 West Central 5th, 8th, 9th, + 11th graders (45%) say they think adults in their community care about them quite a bit or very much

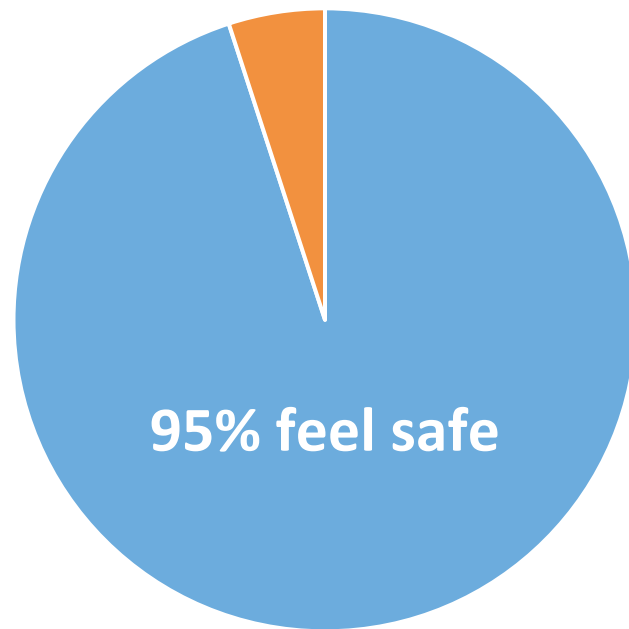


However, those who do feel their community cares were:

- **1.9x** less likely to report alcohol use
- **2.3x** less likely to report tobacco use
- **2.4x** less likely to report marijuana use
- **2.4x** less likely to report Rx drug misuse

Neighborhood Safety

West Central 5th, 8th, 9th, + 11th
Graders Reporting They Feel Safe in
Their Neighborhood, 2016 MSS



West Central 8th, 9th, + 11th
graders who don't feel safe in
their neighborhood are:

- **1.6x** more likely to report alcohol use
- **2.0x** more likely to report tobacco use
- **2.5x** more likely to report marijuana use
- **3.0x** more likely to report Rx drug misuse

Participation in Community Activities

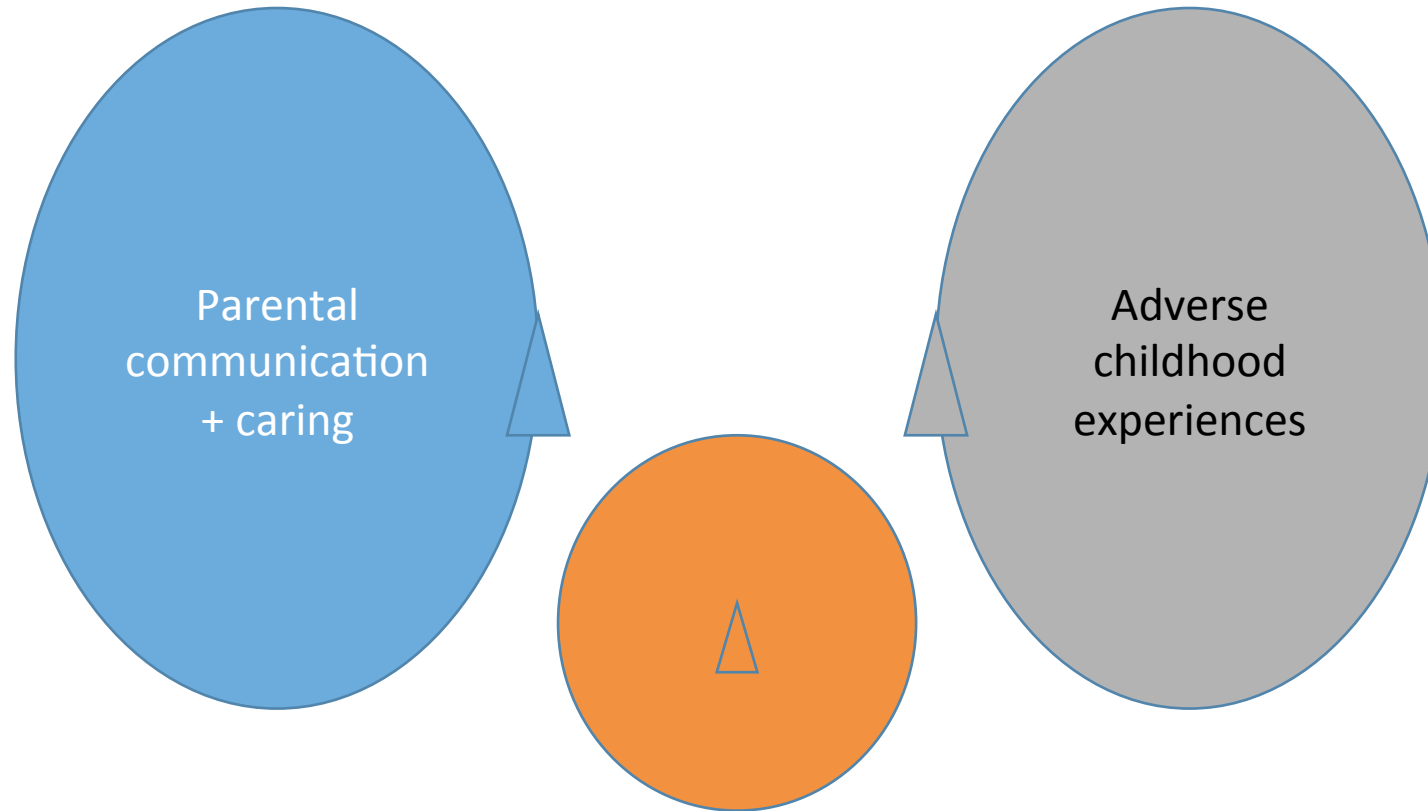
About 4 of 5 West Central (81%) + Minnesota (also 81%) 5th, 8th, 9th, + 11th graders reported participating in community sports, clubs or programs, and/or religious activities at least once per week or more



West Central 8th, 9th, + 11th reporting participation in community activities were:

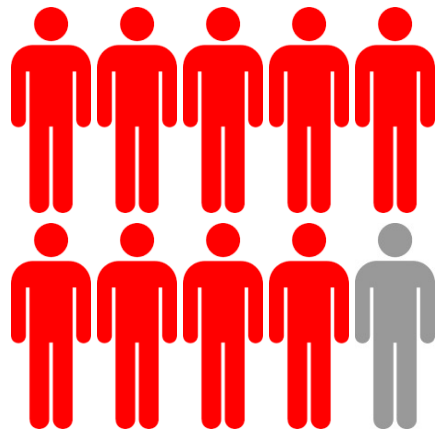
- **1.4x** less likely to report alcohol use
- **1.8x** less likely to report tobacco use
- **2.2x** less likely to report marijuana use
- **1.7x** less likely to report Rx drug misuse

Family



Parental Communication

9 of 10 West Central 5th, 8th, 9th, + 11th graders say they can talk to their mother and/or father all or most of the time about problems they are having



However, those who can't were:

- **1.9x** more likely to report alcohol use
- **2.1x** more likely to report tobacco use
- **2.8x** more likely to report marijuana use
- **2.6x** more likely to report Rx drug misuse

Parental Caring

- 9 out of 10 West Central 5th, 8th, 9th, + 11th graders also say they feel their parents care about them quite a bit or very much
- But...that's not the same 9 out of 10 who can talk with their parents about problems—86% of West Central students reported both parental communication and caring

West Central 8th, 9th, + 11th who feel their parents care quite a bit or very much were:

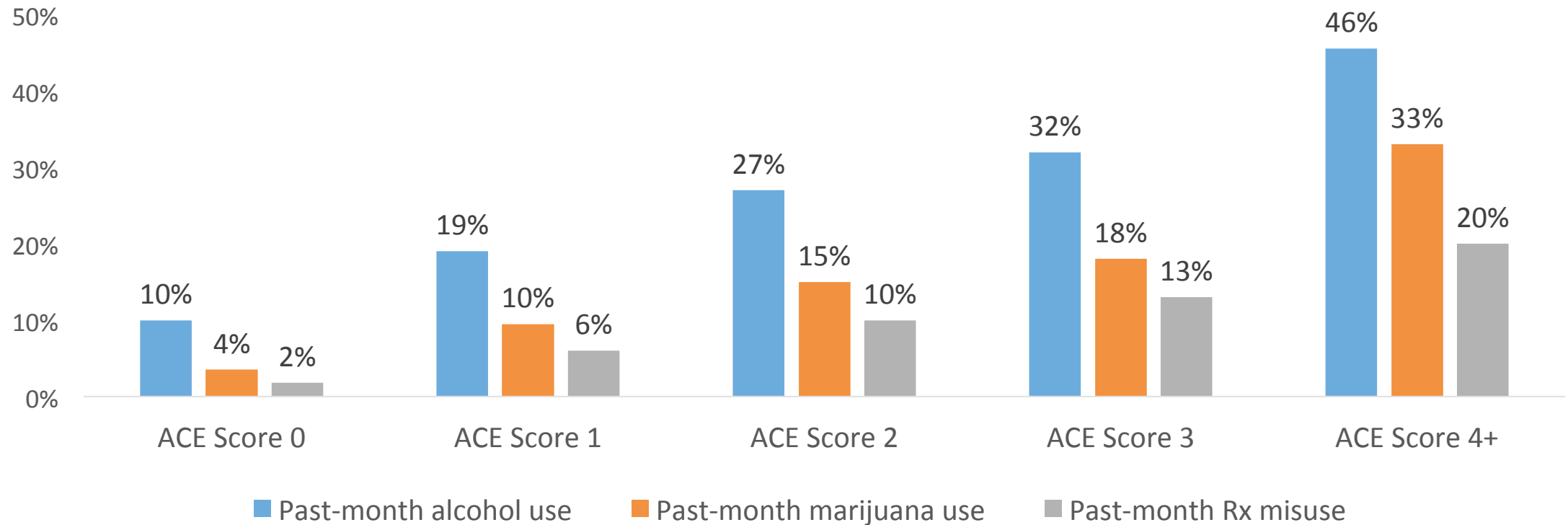
- **2.2x** less likely to report alcohol use
- **2.5x** less likely to report tobacco use
- **3.2x** less likely to report marijuana use
- **3.5x** less likely to report Rx drug misuse

Adverse Childhood Experiences (ACEs)

- 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

ACEs

West Central 8th, 9th, + 11th Graders Reporting Past Month Substance Use, by ACE Score (2016 MSS)



Contact

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