**Winona County Epidemiological Profile of Substance Use and Related Factors**

**July 2019**

Developed by EpiMachine LLC for the Winona County Alliance for Substance Abuse Prevention

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**ALCOHOL**

***Youth Use***

|  |
| --- |
| Past 30 Day Alcohol Use (2016 MSS) |
|  | 8th Grade | 9th Grade | 11th Grade | Total |
| Winona County | 9.1% (n = 29) | 17.7% (n = 66) | 31.8% (n = 103) | 19.5% (n = 198) |
| Statewide | 7.9% | 11.2% | 24.6% | 13.9% |

|  |
| --- |
| 9th Grade Trends in Past 30 Day Alcohol Use (MSS) |
|  | 2007 | 2010 | 2013 | 2016 |
| Winona County | 24.8% (n = 95) | 25.1% (n = 87) | 12.8% (n = 46) | 17.7% (n = 66) |
| Statewide | 23.9% | 19.3% | 14.7% | 11.2% |

|  |
| --- |
| Past 12 Month Alcohol Use (2016 MSS) |
|  | 8th Grade | 9th Grade | 11th Grade | Total |
| Winona County | 16.9% (n = 54) | 25.8% (n = 91) | 48.7% (n = 154) | 30.3% (n = 299) |
| Statewide | 14.6% | 21.3% | 41.1% | 24.6% |

|  |
| --- |
| Past 30 Day Binge Drinking (2016 MSS) |
|  | 8th Grade | 9th Grade | 11th Grade | Total |
| Winona County | 2.8% (n = 9) | 6.5% (n = 24) | 16.8% (n = 54) | 8.6% (n = 87) |
| Statewide | 2.3% | 4.4% | 13.1% | 6.2% |

|  |
| --- |
| First Use at Age 13 or Younger (2016 MSS) |
|  | 9th Grade | 11th Grade | Total |
| Winona County | 22.3% (n = 81) | 17.9% (n = 57) | 20.2% (n = 138) |
| Statewide | 18.2% | 15.0% | 16.7% |

***Adult Use***

|  |
| --- |
| Past 30 Day Alcohol Use (MNSASU) |
|  | 2004 | 2010 | 2015 |
| Southeastern Minnesota\* | 56.6% | 54.6% | 54.5% |
| Statewide | 59.8% | 56.8% | 54.8% |

|  |
| --- |
| Past 30 Day Binge Drinking (MNSASU) |
|  | 2004 | 2010 | 2015 |
| Southeastern Minnesota\* | 16.9% | 17.1% | 14.3% |
| Statewide | 18.8% | 18.2% | 13.9% |

\*Southeastern Minnesota includes: Dodge, Fillmore, Freeborn, Goodhue, Houston, Mower, Olmsted, Rice, Steele, Wabasha and Winona

***Consequences***

|  |
| --- |
| Driving While Intoxicated Incidents on Record, Rate per 10,000 Population (OTS) |
|  | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
| Winona as county or residence | 54.0 | 51.5 | 49.9 | 48.2 | 50.2 | 45.4 | 54.4 | 38.9 | 47.0 |
| Winona as county of arrest | 68.6 | 70.8 | 65.4 | 61.2 | 59.6 | 61.3 | 66.3 | 51.1 | 62.3 |
| Statewide | 59.5 | 54.1 | 53.0 | 51.1 | 45.8 | 44.5 | 44.7 | 40.8 | 42.8 |

|  |
| --- |
| Percentage of Motor Vehicle Crashes Involving Alcohol (*Crash Facts*) |
|  | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
| Winona County | 4.6% | 5.8% | 4.5% | 4.6% | 5.1% | 5.2% | 3.9% | 6.1% | 8.1% |
| Statewide | 5.3% | 5.1% | 5.0% | 5.5% | 4.7% | 4.4% | 4.9% | 5.4% | 5.6% |

|  |
| --- |
| Alcohol-Related Motor Vehicle Fatalities, Rate per 10,000 Population (*Crash Facts*) |
|  | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
| Winona County | 0.0 | 0.2 | 0.4 | 0.2 | 0.2 | 1.2 | 0.0 | 0.0 | 0.0 |
| Statewide | 0.3 | 0.4 | 0.3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 |

|  |
| --- |
| Estimated Cost Per Capita of Alcohol-Related Traffic Fatalities, Crashes and Injuries (*Impaired Driving Facts*) |
|  | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
| Winona County | $11 | $39 | $70 | $39 | $45 | $190 | $10 | $13 | $17 |
| Statewide | $49 | $45 | $49 | $49 | $43 | $43 | $50 | $50 | $49 |

|  |
| --- |
| Alcohol Related Arrests and Citations in the City of Winona (WPD) |
|  | 2015 | 2016 | 2017 | 2018 |
| Number of underage consumption citations for young adults 18 to under 21 | 132 | 158 | 125 | 112 |
| Number of adult provider citations/complaints  | 0 | 1 | 0 | 0 |
| "Not a drop" underage DUI citations for driving with a BAC over 0.00 for young adults 18 to under 21 | 19 | 19 | 20 | 14 |
| Number of citations for violations of the Social Host Ordinance | 10 | 3 | 5 | 3 |

|  |
| --- |
| Percentage of Admissions to Substance Abuse Treatment Involving Alcohol as the Primary Substance of Abuse (DAANES) |
|  | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
| Winona County | 61.2% | 60.7% | 56.9% | 42.9% | 44.5% | 39.0% | 30.1% | 33.1% | 36.6% | 37.5% |
| Statewide | 56.3% | 55.6% | 53.4% | 50.8% | 47.9% | 44.7% | 43.7% | 40.9% | 37.7% | 36.8% |

***Contributing Factors***

**ACCESS/AVAILABILITY**

|  |
| --- |
| Students Reporting It Would be "Very Easy" or "Sort of Easy" for Them to Get Alcohol (2018 WCYS) |
|  | 8th Grade | 9th Grade | 11th Grade | Total |
| Winona County | 43.3% (n = 116) | 42.3% (n = 69) | 51.6% (n = 82) | 45.3% (n = 267) |

|  |
| --- |
| Sources\* of Alcohol among 8th, 9th, and 11th Graders Reporting Any Past 30 Day Use (2018 WCYS) |
| Got from friends | 44.6% (n = 25) | Got someone to buy for me | 16.1% (n = 9) |
| Got from home | 39.3% (n = 22) | Took from friend's home | 7.1% (n = 4) |
| Got at parties  | 32.1% (n = 18) | Took from stores | 5.4% (n = 3) |
| Took from home | 28.6% (n = 16) | Bought at liquor stores | 3.6% (n = 2) |
| Got from other family | 25.0% (n = 14) | Bought at gas stations  | 1.8% (n = 1) |
| Got from parents  | 19.6% (n = 11) |  |  |

\*Students could select all applicable sources.

**INDIVIDUAL FACTORS**

|  |
| --- |
| Perceived Risk of Great or Moderate Harm from Alcohol Use (2016 MSS) |
|  | 8th Grade | 9th Grade | 11th Grade | Total |
| Winona County | 68.2% (n = 214) | 73.8% (n = 268) | 74.8% (n = 237) | 72.3% (n = 722) |
| Statewide | 70.6% | 73.0% | 73.0% | 71.9% |

|  |
| --- |
| 9th Grade Trends in Perceived Risk of Great or Moderate Harm from Alcohol Use (MSS) |
|  | 2007 | 2010 | 2013 | 2016 |
| Winona County | 77.2% (n = 295) | 78.4% (n = 273) | 71.6% (n = 252) | 73.8% (n = 268) |
| Statewide | 82.8% | 83.6% | 75.5% | 73.0% |

**NORMS**

|  |
| --- |
| Perceived Parental Disapproval of Alcohol Use (2016 MSS) |
|  | 8th Grade | 9th Grade | 11th Grade | Total |
| Winona County | 93.1% (n = 295) | 90.2% (n = 323) | 85.7% (n = 275) | 89.5% (n = 896) |
| Statewide | 91.2% | 91.3% | 87.4% | 90.0% |

|  |
| --- |
| Perceived Friend Disapproval of Alcohol Use (2016 MSS) |
|  | 8th Grade | 9th Grade | 11th Grade | Total |
| Winona County | 87.9% (n = 277) | 81.0% (n = 289) | 64.6% (n = 206) | 77.8% (n = 775) |
| Statewide | 85.4% | 80.1% | 67.3% | 78.2% |

|  |
| --- |
| Winona County Perceived Peer Use of Alcohol (2016 MSS) |
|  | 8th Grade | 9th Grade | 11th Grade | Total |
| I use monthly or more | 3.4% | 9.2% | 22.7% | 11.7% |
| I think MOST use monthly or more | 21.6% | 51.7% | 73.0% | 48.9% |

**TOBACCO/NICOTINE**

***Youth Use***

|  |
| --- |
| Past 30 Day Tobacco/Nicotine\* Use (2016 MSS) |
|  | 8th Grade | 9th Grade | 11th Grade | Total |
| Winona County | 5.7% (n = 18) | 12.0% (n = 44) | 23.2% (n = 73) | 13.5% (n = 135) |
| Statewide | 7.1% | 11.3% | 21.6% | 12.8% |

\*Cigarettes, chewing tobacco, cigars/cigarillos, e-cigarettes, and/or hookah

|  |
| --- |
| 9th Grade Trends in Past 30 Day Cigarette Smoking (MSS) |
|  | 2007 | 2010 | 2013 | 2016 |
| Winona County | 9.3% (n = 37) | 11.2% (n = 41) | 6.6% (n = 24) | 4.6% (n = 17) |
| Statewide | 11.9% | 10.2% | 7.5% | 4.3% |

|  |
| --- |
| Past 30 Day e-Cigarette Use (2016 MSS) |
|  | 8th Grade | 9th Grade | 11th Grade | Total |
| Winona County | 3.4% (n = 11) | 10.0% (n = 37) | 16.7% (n = 533) | 10.0% (n = 101) |
| Statewide | 5.7% | 9.2% | 17.2% | 10.3% |

***Adult Use***

|  |
| --- |
| Past 30 Day Cigarette Smoking (MNSASU) |
|  | 2004 | 2010 | 2015 |
| Southeastern Minnesota\* | 22.5% | 18.9% | 15.8% |
| Statewide | 22.7% | 19.8% | 15.8% |

\*Southeastern Minnesota includes: Dodge, Fillmore, Freeborn, Goodhue, Houston, Mower, Olmsted, Rice, Steele, Wabasha and Winona

***Consequences***

|  |
| --- |
| Deaths from Lung, Bronchus and Trachea Cancer, Rate per 10,000 Population (*Minnesota Center for Health Statistics*) |
|  | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
| Winona County | 7.2 | 4.0 | 4.6 | 3.7 | 4.5 | 4.5 | 6.1 | 5.6 | 4.1 |
| Statewide | 4.6 | 4.5 | 5.0 | 4.3 | 4.3 | 4.4 | 4.5 | 4.5 | 4.2 |

***Contributing Factors***

**INDIVIDUAL FACTORS**

|  |
| --- |
| Perceived Risk of Great or Moderate Harm from Cigarette Smoking (2016 MSS) |
|  | 8th Grade | 9th Grade | 11th Grade | Total |
| Winona County | 79.3% (n = 249) | 82.1% (n = 299) | 85.2% (n = 270) | 82.2% (n = 821) |
| Statewide | 77.6% | 78.5% | 80.5% | 78.7% |

|  |
| --- |
| 9th Grade Trends in Perceived Risk of Great or Moderate Harm from Cigarette Smoking (MSS) |
|  | 2007 | 2010 | 2013 | 2016 |
| Winona County | 89.0% (n = 340) | 88.8% (n = 309) | 82.9% (n = 291) | 82.1% (n = 299) |
| Statewide | 89.4% | 90.5% | 83.4% | 78.5% |

**NORMS**

|  |
| --- |
| Perceived Parental Disapproval of Cigarette Smoking (2016 MSS) |
|  | 8th Grade | 9th Grade | 11th Grade | Total |
| Winona County | 93.7% (n = 297) | 93.6% (n = 337) | 94.7% (n = 304) | 93.9% (n = 942) |
| Statewide | 93.2% | 93.7% | 91.5% | 92.8% |

|  |
| --- |
| Perceived Friend Disapproval of Cigarette Smoking (2016 MSS) |
|  | 8th Grade | 9th Grade | 11th Grade | Total |
| Winona County | 89.2% (n = 281) | 87.2% (n = 313) | 74.6% (n = 238) | 83.7% (n = 835) |
| Statewide | 87.2% | 84.2% | 75.1% | 82.6% |

|  |
| --- |
| Winona County Perceived Peer Use of Tobacco\* (2016 MSS) |
|  | 8th Grade | 9th Grade | 11th Grade | Total |
| I use monthly or more | 1.3% | 4.7% | 12.1% | 6.0% |
| I think MOST use monthly or more | 16.7% | 46.8% | 58.5% | 40.8% |

\*The survey question asked about tobacco and listed cigarettes and chew as examples; e-cigs were not listed.

**ACCESS**

|  |
| --- |
| Winona County Students Reporting it Would Be "Sort of Easy" or "Very Easy" for Them to Get Tobacco Products (2018 WCYS) |
|  | 8th Grade | 9th Grade | 11th Grade | Total |
| Cigarettes | 23.2% (n = 62) | 19.5% (n = 32) | 39.5% (n = 62) | 26.5% (n = 156) |
| c-Cigarettes | 17.9% (n = 47) | 22.2% (n = 36) | 39.5% (n = 60) | 24.8% (n = 143) |
| Hookah | 6.8% (n = 18) | 6.9% (n = 11) | 24.0% (n = 37) | 11.5% (n = 66) |

**Listening Sessions Findings**

Winona County Alliance for Substance Abuse Prevention (ASAP) conducted listening sessions at Lewiston-Altura High School and Winona Senior High School, reaching 79 tenth graders and 51 ninth graders for a total of 130 youth. Data were collected through a short survey, large and small group discussions, and a post-it note activity.

Data from the short survey show that 61% felt that vaping was a great or moderate problem at their school. In addition, 79% of participants believed that MOST students at their school and in their grade vaped monthly or more often. Also, 80% of participants correctly identified 18 as the minimum legal age to purchase vaping products.

Discussions provided qualitative data on a number of contributing factors:

* Students primarily see ads for vaping on social media, followed by ads in local stores
* Vaping at school occurs in bathrooms, locker rooms, classrooms, and on buses. In Winona, vaping occurs at the smoking tree.
* Vaping in the community occurs in homes, at parties, in cars, walking around, at parks, at concerts and at stores.
* Reasons use is on the rise primarily included: marketing, flavors, popular/cool, and peer pressure.
* The number one source for devices is online, followed by getting devices from friends and family members (including parents).
* Key risks identified by students were health risks (i.e., lung damage, brain development), followed by unknown chemicals and high nicotine levels.
* Primary influences include: popularity, peer pressure, and social media.
* When asked about school policies and practices related to vaping, 9th graders listed policies and practices while 10th graders (from both communities) spoke more about inconsistent enforcement.

**MARIJUANA**

***Youth Use***

|  |
| --- |
| Past 30 Day Marijuana Use (2016 MSS) |
|  | 8th Grade | 9th Grade | 11th Grade | Total |
| Winona County | 5.0% (n = 16) | 5.9% (n = 22) | 17.2% (n = 55) | 9.2% (n = 93) |
| Statewide | 4.6% | 6.7% | 15.8% | 8.6% |

|  |
| --- |
| 9th Grade Trends in Past 30 Day Marijuana Use (MSS) |
|  | 2007 | 2010 | 2013 | 2016 |
| Winona County | 10.8% (n = 42) | 10.5% (n = 37) | 8.1% (n = 29) | 5.9% (n = 22) |
| Statewide | 9.9% | 9.8% | 9.4% | 6.7% |

|  |
| --- |
| Past 12 Month Marijuana Use (2016 MSS) |
|  | 8th Grade | 9th Grade | 11th Grade | Total |
| Winona County | 5.0% (n = 16) | 9.9% (n = 37) | 26.6% (n = 86) | 13.7% (n = 139) |
| Statewide | 5.4% | 9.8% | 22.7% | 12.0% |

|  |
| --- |
| First Use at Age 13 or Younger (2016 MSS) |
|  | 9th Grade | 11th Grade | Total |
| Winona County | 6.2% (n = 23) | 7.5% (n = 24) | 6.8% (n = 47) |
| Statewide | 6.4% | 6.6% | 6.5% |

***Adult Use***

|  |
| --- |
| Past 30 Day Marijuana (MNSASU) |
|  | 2004 | 2010 | 2015 |
| Southeastern Minnesota\* | 3.1% | 4.1% | 5.1% |
| Statewide | 6.7% | 4.3% | 4.8% |

\*Southeastern Minnesota includes: Dodge, Fillmore, Freeborn, Goodhue, Houston, Mower, Olmsted, Rice, Steele, Wabasha and Winona

***Consequences***

|  |
| --- |
| Marijuana Citations in the City of Winona (WPD) |
|  | 2015 | 2016 | 2017 | 2018 |
| Marijuana possession | 68 | 47 | 47 | 39 |
| Marijuana sale | 0 | 0 | 0 | 0 |

|  |
| --- |
| Percentage of Admissions to Substance Abuse Treatment Involving Marijuana as the Primary Substance of Abuse (DAANES) |
|  | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
| Winona County | 19.2% | 22.7% | 20.3% | 16.2% | 20.2% | 9.6% | 15.2% | 10.0% | 13.4% | 9.2% |
| Statewide | 17.5% | 19.1% | 19.3% | 18.3% | 18.0% | 17.3% | 16.1% | 15.7% | 15.0% | 13.7% |

***Contributing Factors***

**INDIVIDUAL FACTORS**

|  |
| --- |
| Perceived Risk of Great or Moderate Harm from Smoking Marijuana (2016 MSS) |
|  | 8th Grade | 9th Grade | 11th Grade | Total |
| Winona County | 66.6% (n = 209) | 65.8% (n = 239) | 47.0% (n = 150) | 60.0% (n = 599) |
| Statewide | 65.1% | 59.8% | 46.6% | 57.9% |

|  |
| --- |
| 9th Grade Trends in Perceived Risk of Great or Moderate Harm from Smoking Marijuana (MSS) |
|  | 2007 | 2010 | 2013 | 2016 |
| Winona County | 80.3% (n = 306) | 73.8% (n = 256) | 68.0% (n = 238) | 65.8% (n = 239) |
| Statewide | 81.7% | 77.2% | 66.8% | 59.8% |

**NORMS**

|  |
| --- |
| Perceived Parental Disapproval of Marijuana Use (2016 MSS) |
|  | 8th Grade | 9th Grade | 11th Grade | Total |
| Winona County | 92.7% (n = 294) | 91.6% (n = 328) | 85.9% (n = 275) | 90.0% (n = 900) |
| Statewide | 91.2% | 90.2% | 85.7% | 89.2% |
| Perceived Friend Disapproval of Marijuana Use (2016 MSS) |
|  | 8th Grade | 9th Grade | 11th Grade | Total |
| Winona County | 84.4% (n = 265) | 79.3% (n = 284) | 51.9% (n = 165) | 72.0% (n = 716) |
| Statewide | 82.7% | 74.9% | 55.8% | 72.3% |

|  |
| --- |
| Winona County Perceived Peer Use of Marijuana (2016 MSS) |
|  | 8th Grade | 9th Grade | 11th Grade | Total |
| I use monthly or more | 2.5% | 4.4% | 14.6% | 7.1% |
| I think MOST use monthly or more | 20.9% | 49.6% | 70.7% | 47.1% |

**ACCESS**

|  |
| --- |
| Winona County Students Reporting it Would Be Easy for Them to Get Marijuana (2018 WCYS) |
|  | 8th Grade | 9th Grade | 11th Grade | Total |
| "Sort of Easy" or "Very Easy" | 27.4% (n = 73) | 24.4% (n = 40) | 49.7% (n = 78) | 32.5% (n = 191) |

**PRESCRIPTION DRUGS**

***Youth Use***

|  |
| --- |
| Past 30 Day Misuse of Any Prescription Drugs (2016 MSS) |
|  | 8th Grade | 9th Grade | 11th Grade | Total |
| Winona County | 3.1% (n = 10) | 3.6% (n = 13) | 6.0% (n = 19) | 4.2% (n = 42) |
| Statewide | 4.0% | 4.3% | 6.1% | 4.7% |

|  |
| --- |
| Winona County Students' Past 12 Month Misuse of Specific Prescription Drugs (2016 MSS) |
|  | 8th Grade | 9th Grade | 11th Grade | Total |
| Pain relievers | 1.6% (n = 5) | 3.3% (n = 12) | 9.3% (n = 30) | 4.7% (n = 47) |
| ADD/ADHD drugs | 1.6% (n = 5) | 3.0% (n = 11) | 4.7% (n = 15) | 3.1% (n = 31) |
| Tranquilizers/sedatives | 0.3% (n = 1) | 1.9% (n = 7) | 4.4% (n = 14) | 2.2% (n = 22) |
| Stimulants/diet pills | 0.3% (n = 1) | 1.1% (n = 4) | 1.9% (n = 6) | 1.1% (n = 11) |

***Consequences***

|  |
| --- |
| Southeast Minnesota Gang & Drug Task Force\* Script Arrests |
|  | 2015 | 2016 | 2017 |
| Script arrests | 20 | 29 | 19 |
| Script seized (doseage) | 802 | 1,717 | 926 |

\*The Southeast Minnesota Gang & Drug Task Force serves Dodge, Fillmore, Goodhue, Houston, Mower, Olmsted, Wabasha and Winona Counties.

|  |
| --- |
| Percentage of Admissions to Substance Abuse Treatment Involving Opioids as the Primary Substance of Abuse (DAANES) |
|  | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
| Winona County | 9.7% | 9.4% | 15.9% | 24.1% | 19.0% | 21.6% | 17.5% | 22.8% | 12.5% | 14.7% |
| Statewide | 9.7% | 11.8% | 13.3% | 16.1% | 17.8% | 18.7% | 18.2% | 19.7% | 19.5% | 19.6% |

|  |
| --- |
| Number of Non-Exclusive Opioid-Involved Overdose Deaths (Minnesota Center for Health Statistics, MDH) |
|  | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
| Winona County | 1 | 4 | 4 | 1 | 4 | 2 | 4 | 7 | 2 | 1 |
| Statewide | 180 | 226 | 277 | 229 | 291 | 293 | 306 | 317 | 336 | 395 |

***Contributing Factors***

**INDIVIDUAL FACTORS**

|  |
| --- |
| Perceived Risk of Great or Moderate Harm from Misusing Prescription Drugs (2016 MSS) |
|  | 8th Grade | 9th Grade | 11th Grade | Total |
| Winona County | 79.9% (n = 251) | 82.7% (n = 301) | 85.3% (n = 272) | 82.6% (n = 827) |
| Statewide | 78.5% | 79.6% | 81.3% | 79.6% |

|  |
| --- |
| 9th Grade Trends\* in Perceived Risk of Great or Moderate Harm from Misusing Prescription Drugs (MSS) |
|  | 2007 | 2010 | 2013 | 2016 |
| Winona County | N/A | N/A | 85.1% (n = 298) | 82.7% (n = 301) |
| Statewide | N/A | N/A | 84.4% | 79.6% |

\*Question first asked in 2013

**NORMS**

|  |
| --- |
| Perceived Parental Disapproval of Prescription Drug Misuse (2016 MSS) |
|  | 8th Grade | 9th Grade | 11th Grade | Total |
| Winona County | 95.3% (n = 302) | 95.5% (n = 341) | 96.6% (n = 310) | 95.6% (n = 956) |
| Statewide | 93.4% | 94.2% | 93.7% | 93.7% |

|  |
| --- |
| Perceived Friend Disapproval of Prescription Drug Misuse (2016 MSS) |
|  | 8th Grade | 9th Grade | 11th Grade | Total |
| Winona County | 90.2% (n = 284) | 90.8% (n = 324) | 82.4% (n = 263) | 87.8% (n = 874) |
| Statewide | 88.9% | 86.8% | 80.2% | 85.6% |

|  |
| --- |
| Winona County Perceived Peer Use of Prescription Drug Misuse (2018 WCYS) |
|  | 8th Grade | 9th Grade | 11th Grade | Total |
| I use monthly or more | 2.2% | 1.8% | 1.9% | 2.0% |
| I think MOST use monthly or more | 24.4% | 27.8% | 44.9% | 30.9% |

**ACCESS**

|  |
| --- |
| Winona County Students Reporting it Would Be Easy for Them to Get Prescription Drugs Without a Prescription (2018 WCYS) |
|  | 8th Grade | 9th Grade | 11th Grade | Total |
| "Sort of Easy" or "Very Easy" | 25.8% (n = 69) | 15.2% (n = 25) | 27.8% (n = 44) | 23.4% (n = 138) |

|  |
| --- |
| Crude Rate of Opioids Dispensed per 1,000 Winona County Residents (Minnesota Prescription Monitoring Program) |
|  | 2015 | 2016 | 2017 |
| Hydrocodone Rate | 191.6 | 166.9 | 133.5 |
| Oxycodone Rate | 153.1 | 139.3 | 118.1 |
| Tramadol Rate | 158.5 | 135.8 | 112.8 |
| Codeine Rate | 22.5 | 17.7 | 14.8 |
| Morphine Rate | 33.3 | 29.6 | 24.8 |
| Fentanyl Rate | 28.5 | 20.7 | 15.1 |
| Hydromorphone Rate | 11.3 | 12.1 | 9.3 |
| All Opioid Rate | 606.0 | 528.7 | 433.9 |

**OTHER ILLICIT DRUGS**

***Youth Use***

|  |
| --- |
| Past 12 Month Drug Use among Winona County 11th Graders, by Drug Type (2016 MSS) |
| Heroin | 0.3% (n = 1) | Crack/cocaine | 1.6% (n = 5) |
| Meth | 0.3% (n = 1) | Psychedelics | 4.3% (n = 14) |
| Inhalants | 0.6% (n = 2) | Tranquilizers | 4.3% (n = 14) |
| Stimulants | 1.9% (n = 6) | Over-the-counter drugs | 4.3% (n = 14) |
| Synthetics | 2.8% (n = 9) | Pain relievers | 9.3% (n = 30) |
| Ecstasy | 1.2% (n = 4) | ADD/ADHD drugs | 4.7% (n = 15) |

***Consequences***

|  |
| --- |
| Number of Winona County Drug-Related Deaths, Non-Exclusive\*, by Drug Type (Minnesota Death Certificates, Minnesota Department of Health) |
|  | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
| Heroin-involved | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Cocaine-involved | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Benzodiazepine-involved | 1 | 0 | 3 | 0 | 0 | 3 | 1 | 0 |
| Psychostimulants-involved | 1 | 0 | 0 | 1 | 0 | 3 | 0 | 1 |
| Other or unspecified narcotic | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |

\*There may have been factors other than drugs also involved in the death

|  |
| --- |
| Percentage of Admissions to Substance Abuse Treatment Involving Methamphetamines as the Primary Substance of Abuse (DAANES) |
|  | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
| Winona County | 3.7% | 2.9% | 3.4% | 3.7% | 8.1% | 16.7% | 28.6% | 24.1% | 30.5% | 34.7% |
| Statewide | 7.4% | 6.9% | 8.0% | 8.6% | 10.5% | 14.0% | 17.1% | 18.6% | 22.6% | 24.2% |

|  |
| --- |
| Number of Winona County Narcotics Arrests, by Drug Type (Minnesota Crime Information) |
|  | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
| Opium or cocaine | 87 | 27 | 64 | 64 | 18 | 24 | 20 | 11 | 14 | 19 |
| Synthetic drugs | 5 | 19 | 14 | 3 | 7 | 10 | 11 | 6 | 7 | 5 |

|  |
| --- |
| Southeast Minnesota Gang & Drug Task Force\* Heroin and Meth Arrests |
|  | 2015 | 2016 | 2017 |
| Heroin arrests | 6 | 40 | 21 |
| Heroin seized (grams) | 11.06 | 74.68 | 9.56 |
| Meth arrests | 172 | 222 | 195 |
| Meth seized (grams) | 20,536.76 | 1,530.94 | 20,105.66 |
| Number of children removed by LE or Child Protection Called | 98 | 51 | 71 |

\*The Southeast Minnesota Gang & Drug Task Force serves Dodge, Fillmore, Goodhue, Houston, Mower, Olmsted, Wabasha and Winona Counties.

**MENTAL HEALTH**

***Youth Mental Health***

|  |
| --- |
| Past 2 Week Depressive Symptoms (2016 MSS) |
|  | Winona County | Statewide |
|  | Females | Males | Total\* | Females | Males | Total\* |
| 8th Grade | 21.8%(n = 34) | 13.9%(n = 22) | 17.8%(n = 56) | 25.6% | 15.9% | 20.9% |
| 9th Grade | 27.6%(n = 50) | 12.6%(n = 23) | 20.0%(n = 73) | 27.7% | 16.0% | 21.9% |
| 11th Grade | 25.8%(n = 41) | 13.9%(n = 22) | 20.1%(n = 64) | 27.3% | 18.6% | 23.0% |
| Total | 25.2%(n = 125) | 13.5%(n = 67) | 19.3%(n = 193) | 26.9% | 16.7% | 21.9% |

\*Female plus male counts maybe not equal "total" as not all students identified their biological sex.

|  |
| --- |
| Past Year Self-Harm (2016 MSS) |
|  | Winona County | Statewide |
|  | Females | Males | Total\* | Females | Males | Total\* |
| 8th Grade | 20.5%(n = 33) | 8.9%(n = 14) | 14.8%(n = 47) | 22.0% | 9.8% | 15.9% |
| 9th Grade | 26.3%(n = 49) | 7.6%(n = 143) | 17.0%(n = 63) | 22.9% | 8.8% | 15.9% |
| 11th Grade | 24.2%(n = 38) | 5.6%(n = 9) | 14.7%(n = 47) | 20.6% | 9.0% | 14.8% |
| Total | 23.8%(n = 120) | 7.4%(n = 37) | 15.6%(n = 157) | 21.9% | 9.2% | 15.6% |

***Youth Suicidal Ideation and Attempts***

|  |
| --- |
| Past Year Suicidal Ideation (2016 MSS) |
|  | Winona County | Statewide |
|  | Females | Males | Total\* | Females | Males | Total\* |
| 8th Grade | 13.7%(n = 22) | 4.5%(n = 7) | 9.1%(n = 29) | 16.1% | 7.1% | 11.6% |
| 9th Grade | 21.4%(n = 40) | 7.0%(n = 13) | 14.2%(n = 53) | 16.8% | 6.6% | 11.7% |
| 11th Grade | 17.4%(n = 27) | 5.6%(n = 9) | 11.4%(n = 36) | 15.6% | 8.4% | 12.1% |
| Total | 17.7%(n = 89) | 5.8%(n = 29) | 11.7%(n = 118) | 16.2% | 7.3% | 11.8% |

|  |
| --- |
| Past Year Suicide Attempts (2016 MSS) |
|  | Winona County | Statewide |
|  | Females | Males | Total\* | Females | Males | Total\* |
| 8th Grade | 5.6%(n = 9) | 0%(n = 0) | 2.8%(n = 9) | 5.4% | 2.1% | 3.8% |
| 9th Grade | 4.3%(n = 8) | 1.6%(n = 3) | 2.9%(n = 11) | 5.5% | 2.0% | 3.7% |
| 11th Grade | 3.8%(n = 6) | 3.7%(n = 6) | 4.0%(n = 13) | 4.2% | 2.2% | 3.2% |
| Total | 4.5%(n = 23) | 1.8%(n = 9) | 3.3%(n = 33) | 5.1% | 2.1% | 3.6% |

\*Female plus male counts maybe not equal "total" as not all students identified their biological sex. Statewide, Minnesota students who did not identify their biological sex were 2.6x more likely to report any past year suicide attempt(s): 9.4% vs. 3.6%.

***Suicide Deaths***

|  |
| --- |
| Suicides, Rate per 10,000 Population (Minnesota Center for Health Statistics, MDH) |
|  | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
| Winona County | 0.8 | 1.4 | 0.8 | 0.8 | 0.8 | 2.0 | 1.7 | 1.4 | 0.8 |
| Statewide | 1.1 | 1.1 | 1.3 | 1.2 | 1.3 | 1.3 | 1.4 | 1.4 | 1.4 |

**SHARED RISK AND PROTECTIVE FACTORS**

***Community***

|  |
| --- |
| Community-Level Protective Factors Experienced by 8th, 9th, and 11th Graders (2016 MSS) |
|  | Winona County | Statewide |
| Feel adults in the community care very much or quite a bit | 38.7% | 45.2% |
| Participate in 1-5 pro-social activities\* in a typical week | 76.9% | 77.9% |

\*Statewide MSS data show that not participating in activities outside of the regular school day is associated with increased risk for substance use and mental health issues. However, participating in six or more activities during a typical week is also associated with increased risk.

***School***

|  |
| --- |
| School-Level Protective Factors Experienced by 8th, 9th, and 11th Graders (2016 MSS) |
|  | Winona County | Statewide |
| Have greater educational engagement | 79.0% | 78.1% |
| Feel teachers/other school staff care very much or quite a bit | 47.8% | 53.7% |

***Peer***

|  |
| --- |
| Peer-Level Protective Factors Experienced by 8th, 9th, and 11th Graders (2016 MSS) |
|  | Winona County | Statewide |
| Feel friends care very much or quite a bit | 73.3% | 77.2% |

|  |
| --- |
| Peer-Level Risk Factors Experienced by 8th, 9th, and 11th Graders (2016 MSS) |
|  | Winona County | Statewide |
| Bullied weekly or more often in the past month | 16.4% | 15.8% |
| Have ever experienced dating violence | 5.0% | 3.7% |

***Family***

|  |
| --- |
| Family-Level Protective Factors Experienced by 8th, 9th, and 11th Graders (2016 MSS) |
|  | Winona County | Statewide |
| Feel parents care very much or quite a bit | 89.6% | 91.1% |
| Feel other adult relatives care very much or quite a bit | 82.3% | 84.8% |
| Can talk with mother and/or father about problems | 90.8% | 90.8% |

|  |
| --- |
| Family-Level Risk Factors Experienced by 8th, 9th, and 11th Graders (2016 MSS) |
|  | Winona County | Statewide |
| Past or current incarceration of a parent and/or caregiver | 17.0% | 16.5% |
| Household alcohol abuse | 12.4% | 9.8% |
| Household drug abuse | 3.5% | 4.6% |
| Verbal abuse | 13.6% | 13.6% |
| Physical abuse | 10.7% | 11.8% |
| Domestic abuse in household | 7.6% | 6.5% |
| Sexual abuse  | 5.7% | 4.7% |
| 0 Adverse Childhood Experiences | 64.0% | 64.5% |
| 1 Adverse Childhood Experience | 18.6% | 18.7% |
| 2 Adverse Childhood Experiences | 8.3% | 8.5% |
| 3+ Adverse Childhood Experiences | 9.1% | 8.2% |

***Individual***

|  |
| --- |
| Individual-Level Protective Factors Experienced by 8th, 9th, and 11th Graders (2016 MSS) |
|  | Winona County | Statewide |
| Positive identity | 34.3% | 33.8x% |
| Social competence | 29.1% | 34.3% |
| Empowerment | 52.0% | 56.9% |

**APPENDIX**

***Definitions***

**Can talk to parents:** This indicator combines two MSS questions (one referring to the students’ mothers, and one to their fathers) and includes students who say they can talk to at least one of their parents *most of the time* or *some of the time* about problems they are having. The indicator does not include youth who answer *not very often*, *not at all*, or *my father/mother is not around* to both questions.

**Depression:** This indicator is a modified version of the 2-question Patient Health Questionnaire for depression (PHQ-2). For each question, students may answer from *not at all* (score of 1) to *nearly every day* (score of 4). Students meet the criteria for depression if they get a combined score of 5 or higher on the following 2 questions:

* Over the last 2 weeks, how often have you been bothered by little interest or pleasure in doing things?
* Over the last 2 weeks, how often have you been bothered by feeling down, depressed, or hopeless?

**Educational engagement:** Students have greater educational engagement if they answered *all the time* or *most of the time,* or *strongly agree* or *agree* to each the following questions:

* 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 prepared?
* 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.

**Feel that [ ] care about them:** This set of questions asks about how much students feel people in their lives care about them. Indicators include students who feel *adults in the community*, *friends*, *relatives*, *parents*, or *teachers and other school staff* care about them *very much* or *quite a bit* (as compared to *some*, *a little* or *not at all)*.

**Participate in 1-5 activities:** This indicator includes students reporting that they participate in one to five activities (outside of the regular school day) on one or more days per week, during a typical week. Data show that participation in some activities is beneficial, but that participation in too many activities can pose as much risk as no participation at all. Activities asked about on the MSS include:

* Sports teams (i.e., park and rec teams, school teams, in-house teams or traveling teams)
* School-sponsored activities or clubs other than sports (i.e., drama, music, chess, science club)
* Tutoring, homework help or academic programs
* Leadership activities such as student government, youth councils or committees
* Artistic lessons (i.e., music, dance)
* Physical activity lessons (i.e., tennis, karate)
* Other community clubs and programs (i.e., 4-H, Scouts, Y-clubs or Community Ed)
* Religious activities (i.e., religious services, education or youth groups)

**Empowerment\*:** Students responding with *very or often* or *extremely or always* to each of the three MSS items below are considered to have higher levels of 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\*:** Students responding with *very or often* or *extremely or always* to each of the six MSS items below are considered to have higher levels of 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\*:** Students responding with *very or often* or *extremely or always* to each of the eight MSS items below are considered to have higher levels of 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 away 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

\*Positive Identity, Social Competence, and Empowerment are categories of skills and behaviors based on a Search Institute framework of adolescent development. They are used and adapted here with permission from Search Institute (2004). *The Developmental Assets Profile*. Minneapolis: Author. Copyright **©** 2004 by Search Institute (www.search-institute.org). All rights reserved. For more information on how these development scales are used on the Minnesota Student Survey, find the Developmental Assets fact sheets at SUMN.org.

***Data Sources***

**Minnesota Student Survey (MSS):** The MSS is a confidential and anonymous self-administered survey sponsored by the Minnesota schools, the Minnesota Department of Education, the Minnesota Department of Health, the Minnesota Department of Human Services, and the Minnesota Department of Public Safety. The survey is administered every three years to students attending Minnesota public, charter and tribal schools. From 1995 to 2010, the survey was given to 6th, 9th and 12th graders; starting in 2013 the survey was administered to 5th, 8th, 9th, and 11th graders. Data can be access through several sites:

* <https://education.mn.gov/mde/dse/health/mss/index.htm>
* <https://www.health.state.mn.us/data/mchs/surveys/mss/index.html>
* <http://www.sumn.org/>

**Minnesota Survey on Adult Substance Use (MNSASU):** The MNSASU is a statewide telephone survey conducted by DHS—the last survey was administered in 2014/2015. The primary objective of this project is to obtain current estimates of the number of adults in the general population in Minnesota who are abusing or dependent on alcohol or other drugs and are in need of treatment. The population for this survey included Minnesota residents 18 years of age or older and non-institutionalized. Data can be found at <http://www.sumn.org/>. More information and some data can be found at <https://mn.gov/dhs/partners-and-providers/news-initiatives-reports-workgroups/alcohol-drug-other-addictions/mn-adult-su-survey/>

**Office of Traffic Safety/*Crash Facts*:** Data on alcohol-related motor vehicle crashes, deaths and injuries, obtained by request from the Office of Traffic Safety, can be found at <http://www.sumn.org/>. More information and data can be accessed via <https://dps.mn.gov/divisions/ots/reports-statistics/Pages/crash-facts.aspx>

**Winona Police Department:** Data from the Winona Police Department were requested by Winona State University's Partners for Prevention coalition coordinator, and shared with Winona County Alliance for Substance Abuse Prevention's (ASAP) coalition coordinator.

**Drug and Alcohol Abuse Normative Evaluation System (DAANES):** DAANES includes data on all private- and public-pay treatment facility admissions and discharges. Data, obtained by request from the Minnesota Department of Human Services, can be found at <http://www.sumn.org/>

**Winona County Youth Survey (WCYS):** The WCYS was developed for Winona County Alliance for Substance Abuse Prevention (ASAP) by Epiphany Community Services (ECS), and administered in 2018. A raw data file was obtained from ECS by ASAP's evaluator.

**Minnesota Center for Health Statistics/Death Certificate Data:** Data on lung/bronchus/trachea cancer deaths, obtained by request from the Minnesota Department of Health, can be found at <http://www.sumn.org/> Drug overdose data can be accessed via <https://www.health.state.mn.us/communities/opioids/data/drugoverdose.html>

**Violent Crime Enforcement Teams (VCET)/Gang and Drug Task Force:** Data on drugs seized by the Southeast Minnesota Gang & Drug Task Force were obtained by request from the Minnesota Department of Public Safety's Statewide Gang and Drug Coordinator.

**Prescription Monitoring Program (PMP):** The Minnesota Prescription Monitoring Program (PMP) is a tool to be used by prescribers and pharmacists to assist in managing their patient’s care. It contains information provided by Minnesota licensed pharmacies and prescriber dispensers on Schedule II, III, IV and V controlled substances. Data can be accessed via <http://pmp.pharmacy.state.mn.us/reports-and-statistics.html>

**Uniform Crime Reports (UCR)/*Minnesota Crime Information*:** The Minnesota Bureau of Criminal Apprehension collects activity information from law enforcement agencies throughout the State of Minnesota. Uniform Crime Reports measure the amount of criminal activity within the State as collected and prepared from data submitted by individual law enforcement agencies. Data in this report can be found at <http://www.sumn.org/>. These data and more information can also be accessed via <https://dps.mn.gov/divisions/bca/bca-divisions/mnjis/Pages/uniform-crime-reports.aspx>