



# Dakota County Substance Use and Consequences, 2011

MN STATE EPIDEMIOLOGICAL OUTCOMES WORKGROUP

## KEY FINDINGS

- Dakota County's average annual cost per capita of alcohol-related motor vehicle crashes, fatalities and injuries is \$30—roughly half that of the state average.
- From 1998 to 2010, youth smoking rates dropped by 50% in Dakota County.
- In 2010, abuse of prescription pain relievers was reported by 8% of Dakota County 12th graders.

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## Alcohol Consumption

The rate of reported past-month alcohol consumption by youth in Dakota County dropped from 27% in 1998 to 19% in 2007. Comparatively, the rate for Minnesota's Metro Alcohol, Tobacco and Other Drug Prevention Region dipped from 27% to 19%, and the state's from 31% to 20%.

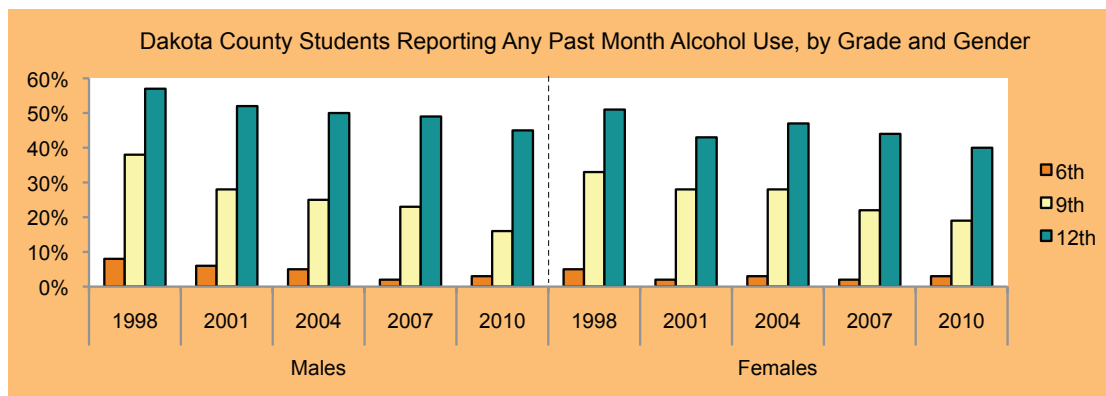
Within Dakota County, reported use varied by grade and by gender (*see graph below*).

The percent of Dakota County students reporting binge drinking in the past two weeks—having five or more drinks in a row on one occasion—fell from 24% in 1998 to 16% in 2010. Comparatively, the Metro rate fell from 23% to 16% and the state rate from 26% to 16%. In 2010, binge drinking was reported by 8% of 9th grade males, 10% of 9th grade females,

31% of 12th grade males, and 19% of 12th grade females in Dakota County.

Dakota youth were less likely than the state average to report first drinking by age 13 or younger: 17% vs. 20% (MSS).

Statistics on adult alcohol consumption are not available at the county level.



## Alcohol Consequences

From 2005 to 2009, the average cost per capita of alcohol-related motor vehicle crashes, fatalities and injuries was \$30 in Dakota County, \$35 in the Metro Region and \$54 in Minnesota (OTS).

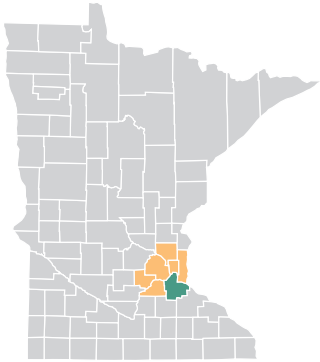
Over that same period, the driving while intoxicated

(DWI) arrest rate with Dakota as the county of residence averaged 67.6 per 10,000 population. With Dakota as the county of arrest, the average rate was 68.4 (OTS).

The percent of all motor vehicle crashes that were alcohol-related averaged 6%

in both Dakota County and in Minnesota, and 5% in the Metro Region (OTS).

The annual cirrhosis death rate per 100,000 population averaged 5 in Dakota County from 2004 to 2008, compared to 7 in the Metro Region and 6 in the state (MCHS).



Statistics on adult substance use are available by region for 2004/2005:

- Past-month alcohol use was higher among Metro area women than the state average: 56% vs. 53%, but equal to the state average among Metro men: 67%.

- In the Metro area, past month smoking was reported by 36% of 18-20 year-olds, 44% of 21-24 year-olds, 23% of 25-44 year-olds, 18% of 45-64 year-olds, and 7% of persons aged 65+.

- Metro area adults were more likely than the state average to report past month use of marijuana, 5% vs. 4%, or past year abuse of pain relievers, 3% vs. 2%. However, they were as likely to report past year use of methamphetamines, 1%, crack/cocaine, 1%, and MDMA/Ecstasy, 1%.

*Minnesota Survey of Adult Substance Use*

## Tobacco Consumption

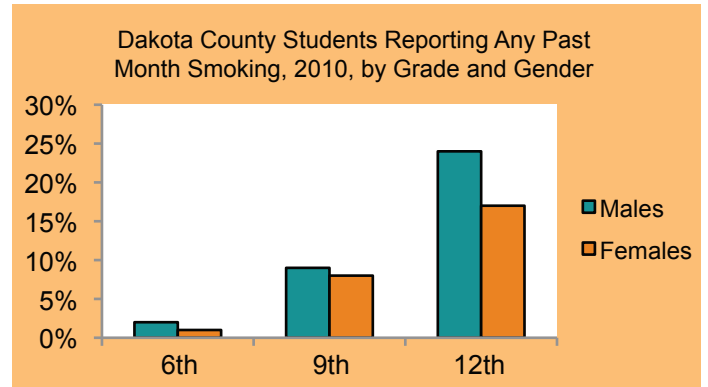
Smoking among youth declined statewide from 1998 to 2010: down from 18% to 9% in Dakota County, 17% to 10% in the Metro Region, and 19% to 10% in Minnesota. In 2010, Dakota County rates varied by grade and by gender (*see graph*).

From 2004 to 2010, reported past-month chewing tobacco use in Dakota County increased among 9th grade males, 3% to 6%, and among 12th grade males, 8% to 21%.

Dakota County youth were less likely than the state average to report first smoking by age 13 or younger: 9% vs.

12% (MSS).

Statistics on adult smoking are not available at the county level.



## Tobacco Consequences

The average annual rate per 100,000 population of lung, bronchus and trachea cancer deaths in Dakota County was 34 from 2004 to 2008. Comparatively, the Metro Region averaged 44 and the state aver-

aged 45 (MCHS).

The number of Dakota County lung and bronchus cancer deaths averaged 71 among males and 60 among females from 2004 to 2008 (MCSS).

It is estimated that 90% of lung cancer deaths among males and 79% of lung cancer deaths among females in the United States are smoking-related.

## Risk and Protective Factors

In 2010, students reporting past 30 day use of alcohol and tobacco were asked how they obtained those substances.

Dakota County students most often reported social access to alcohol (87%) and tobacco (65%). Dakota County students were as likely (25%) as Metro (26%) and all Minnesota students (26%) to report taking alcohol from someone or somewhere. They were as likely to report buying (Da-

kota: 54%, Metro: 53%, MN: 53%) tobacco, and about as likely to report taking (15%, 17%, 17%) tobacco.

Students were also asked how much they thought people risked harming themselves by frequently binge drinking, smoking one or more packs of cigarettes per day, or smoking marijuana once or twice per week. Perception of great or moderate risk of alcohol harm was reported by 83%

of Dakota County students, perception of tobacco harm was reported by 90% of Dakota County students, and perception of marijuana harm was reported by 77% of Dakota County students. Similarly, students were asked if they thought their parents or guardians would disapprove or greatly disapprove of such levels of substance use. Perception of disapproval was 92% for alcohol, 96% for tobacco and 97% for marijuana (MSS).

## Other Drug Consumption

Dakota County students are more likely to report use of marijuana than any other illicit drug (*see graph below*). In 2010, marijuana use was reported by 1% of Dakota County 6th graders, 10% of 9th graders and 23% of 12th graders. Male students were more likely than female students to report use: 12% vs. 8%.

From 2001 to 2010, reported use of methamphetamines dropped from 4% to 1% among Dakota County 9th graders, and 6% to 1% among 12th graders. From 1998 to

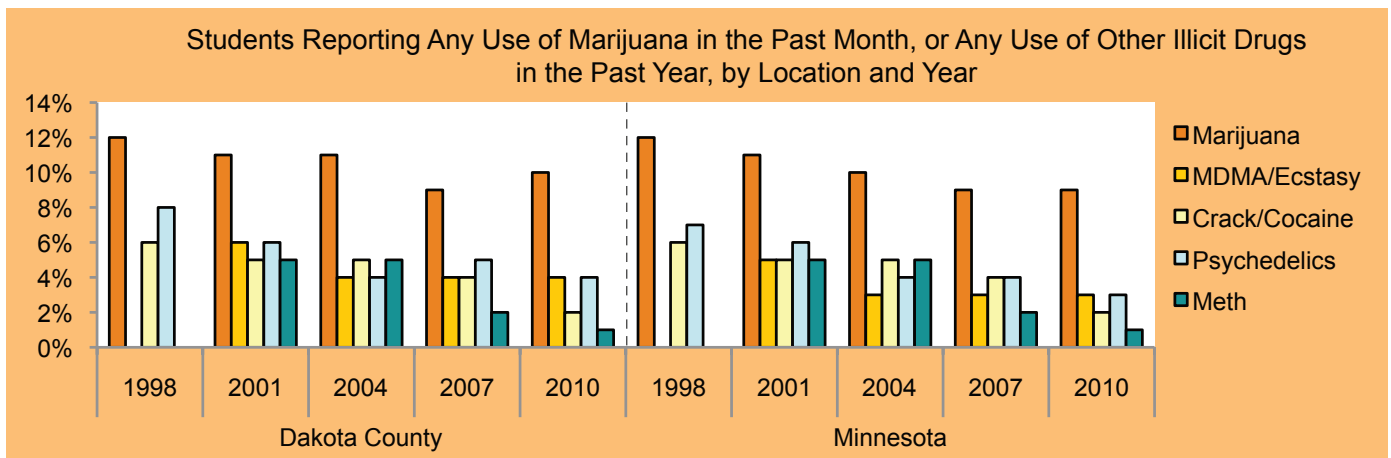
2010, reported use of inhalants fell among Dakota County 6th graders, 5% to 3%, 9th graders, 6% to 3%, and 12th graders: 3% to 2%. During that period, reported use of psychedelics fell among Dakota County male students, 10% to 5%, and female students, 5% to 2%. Reported use of crack/cocaine dipped slightly, from 7% to 3% for males and 4% to 2% for females.

In 2010, one percent of 6th graders in Dakota County, the Metro Region and the state reported past-year abuse

of prescription drugs. Dakota County 9th and 12th graders were asked about abuse of specific types of prescription drugs in 2010: painkillers (reported by 4% of 9th graders and 8% of 12th graders), ADD/ADHD drugs (4% of 9th graders; 7% of 12th graders), tranquilizers/sedatives (2% of 9th graders; 4% of 12th graders), and stimulants/diet pills: 3% of both 9th graders and 12th graders (MSS).

Statistics on adult drug use are not available at the county level.

The US Census Bureau estimate for the 2007 Dakota County population is 392,755. Dakota County is approximately 89% White, 4% Asian/Pacific Islander, 4% African-American, and 5% Hispanic/Latino. In 2000, the percent of individuals living below the poverty level was 4% in Dakota County compared to 8% in Minnesota.



## Other Drug Consequences

There were 1,419 Dakota County narcotics arrests in 2009—81% of which involved marijuana. Comparatively, the average annual number of narcotics arrests for Dakota County from 2005 to 2009 was 1,515 (BCA). For probation and prison data related to drug offenses, see table below (DOC).

| DRUG OFFENSES              | DAKOTA COUNTY |      |      | METRO REGION |      |      | MINNESOTA |      |      |
|----------------------------|---------------|------|------|--------------|------|------|-----------|------|------|
|                            | 2007          | 2008 | 2009 | 2007         | 2008 | 2009 | 2007      | 2008 | 2009 |
| Rates per 1,000 Population |               |      |      |              |      |      |           |      |      |
| Adults on Probation        | 4.2           | 4.3  | 4.0  | 3.7          | 3.8  | 3.7  | 3.4       | 3.6  | 3.5  |
| Juveniles on Probation     | 0.3           | 0.4  | 0.4  | 0.4          | 0.4  | 0.4  | 0.4       | 0.5  | 0.5  |
| Adults in Prison           | 0.3           | 0.4  | 0.3  | 0.3          | 0.4  | 0.3  | 0.4       | 0.5  | 0.3  |

**Questions or comments? Contact:**

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## What's Happening in Your County?



**Substance Use in Minnesota, located at [www.sumn.org](http://www.sumn.org), puts data on alcohol, tobacco and other drug use and consequences at your fingertips. The Web site was designed to help communities make decisions about substance abuse prevention efforts based on 55 indicators.**

**This site was developed by the Minnesota State Epidemiological Outcomes Workgroup (SEOW) with funding from the Minnesota Department of Human Services, Alcohol and Drug Abuse Division (ADAD). SEOW membership includes: Minnesota's departments of Human Services, Health, Education, Public Safety and Corrections and the Minnesota Institute of Public Health, which maintains the Web site.**

## Data Sources

Population statistics are from the U.S. Census Bureau.

Youth alcohol, tobacco and other drug consumption data are from the Minnesota Student Survey (MSS). The MSS is a confidential and anonymous self-administered survey given every three years to 6th, 9th and 12th grade students attending Minnesota public, charter and tribal schools. The Minnesota Student Survey Interagency Team is made up of four state agencies: the Minnesota Department of Education, the Minnesota Department of Health, the Minnesota Department of Human Services, and the Minnesota Department of Public Safety. Adult consumption data are

from the MN Survey of Adult Substance Use (MNSASU) from the Minnesota Department of Human Services, Performance Measurement and Quality Improvement. Binge drinking is defined as 5 or more drinks in a row on one occasion in the MSS, and 5 or more drinks for males or 4 or more drinks for females in the MNSASU.

Alcohol consequence data are from the Office of Traffic Safety's (OTS) *Impaired Driving Facts and Crash Facts*, and from the National Safety Council.

Alcohol and tobacco mortality data are from the Minnesota Center for Health Statistics (MCHS) and the Minnesota Cancer Surveillance

System (MCSS).

Drug consequence data are from the Minnesota Department of Corrections' (DOC) *Inmate Profile and Probation Survey*, and from the Bureau of Criminal Apprehension's (BCA) *Minnesota Crime Information* reports.

Detailed data source information can be found at [www.sumn.org](http://www.sumn.org). Data source fact sheets can be found under Tools. Links to each data source, when available, can be found under each table when using Data by Location or Data by Topic.

Aggregated data at the state and county level do not reveal disparities that may exist within a given geographic area.