

Great Plains IDeA-CTR Statistical Data Brief

Time and Geographic Trends of Alcohol Use in the Great Plains Region and the U.S.

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Aim:

To examine the time and geographic trends of alcohol use in Nebraska, North Dakota, and South Dakota compared to the U.S. where data are available.

Definitions:

- **Prevalence:** The proportion of people in the population affected by a (medical) condition
- **Binge drinking:** Drinking five or more drinks on the same occasion for males or four or more drinks on the same occasion for females on at least one day in the past 30 days

Data Source:

The brief used most recent data available through Behavioral Risk Factor Surveillance System (BRFSS), Youth Risk Behavior Surveillance System (YRBSS) and National Survey on Drug Use & Health (NSDUH).

- BRFSS is comprised of health-related telephone surveys that collect state data about U.S. residents (18 years and older) regarding their health-related risk behaviors, chronic health conditions, and use of preventive services. It is conducted annually by state health departments and collects data in all 50 states as well as the District of Columbia and three U.S. territories.¹
- YRBSS comprises school-based surveys of representative samples of 9th through 12th grade students conducted every two years. It monitors six categories of health-related behaviors that contribute to the leading causes of death and disability. It includes a national school-based survey conducted by CDC and state, territorial, tribal, and local surveys conducted by state, territorial, and local education and health agencies and tribal governments.²
- NSDUH is conducted every year in all 50 states and the District of Columbia and provides information in the United States on health-related issues including tobacco, alcohol, drug use, and mental health. NSDUH is under the Substance Abuse and Mental Health Services Administration (SAMHSA), an agency in the US Department of Health and Human Services (DHHS).³

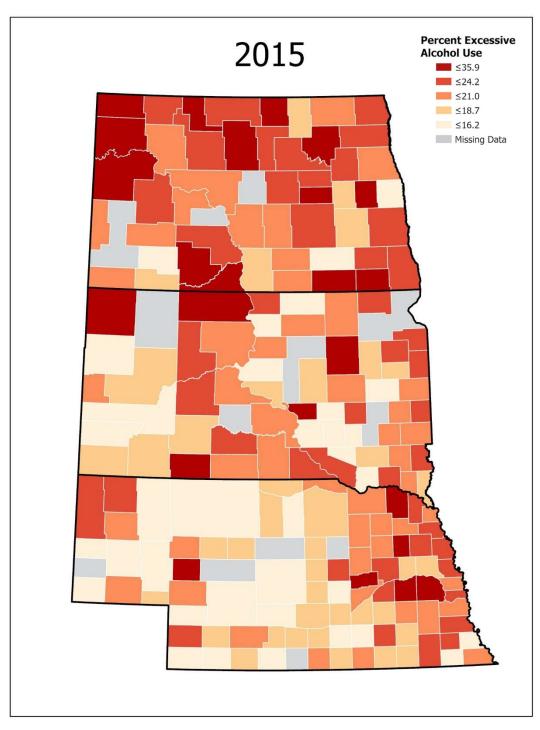
¹ <u>https://www.cdc.gov/brfss/about/index.htm</u>

² https://www.cdc.gov/healthyyouth/data/yrbs/index.htm

³ <u>https://nsduhweb.rti.org/respweb/homepage.cfm</u>

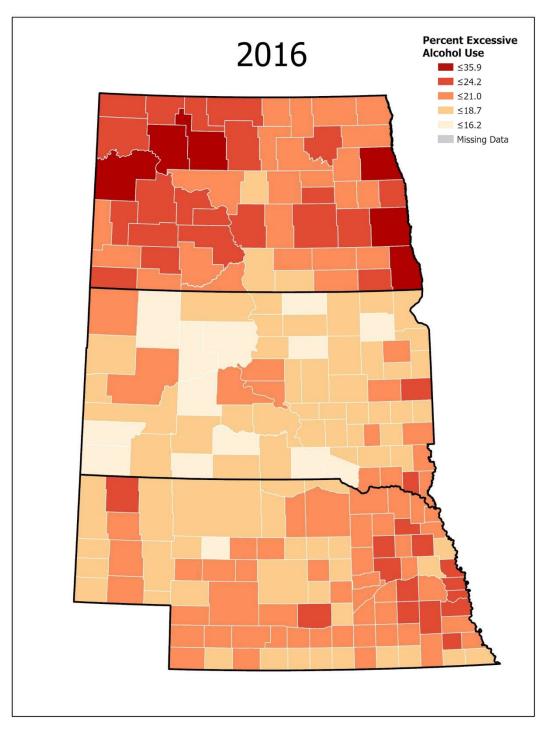


County-Level Representation of Excessive Alcohol Use by County in 2015



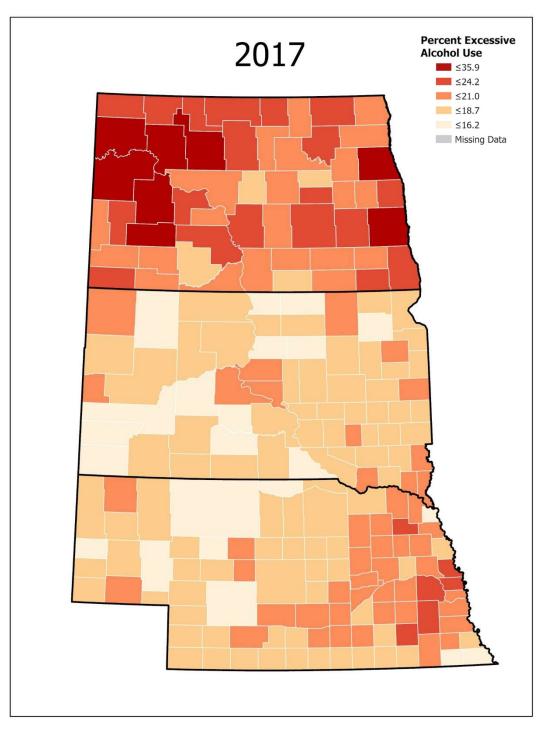


County-Level Representation of Excessive Alcohol Use by County in 2016



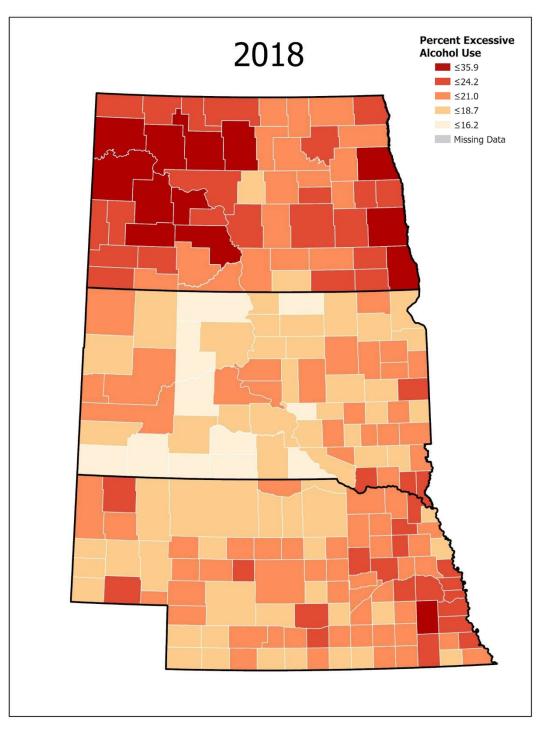


County-Level Representation of Excessive Alcohol Use by County in 2017



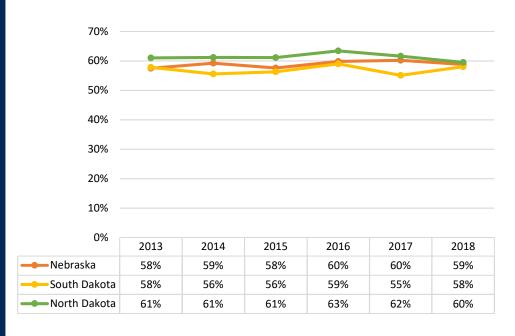


County-Level Representation of Excessive Alcohol Use by County in 2018





Percentage of Adults (≥18 years) Who Had At Least One Drink of Alcohol Within the Past 30 Days 2013-2018: Nebraska, South Dakota, and North Dakota

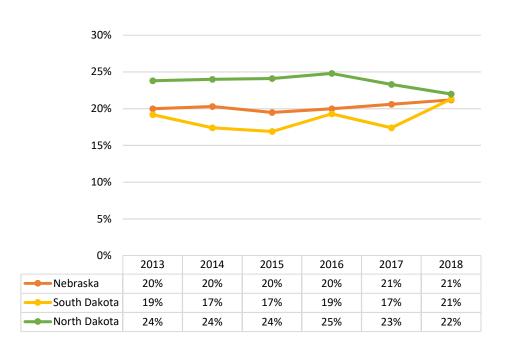


Alcohol consumption trends have been almost constant in all three GP-IDeA states between 2013-2018.

In 2018, 58% to 60% of adults in these states reported to have consumed at least one alcohol drink in the past 30 days.

Data Source: The Behavioral Risk Factor Surveillance System (BRFSS), CDC.

Percentage of Adults (≥18 years) Who Had Binge Alcohol Use Within the Past 30 Days 2013-2018: Nebraska, South Dakota, and North Dakota

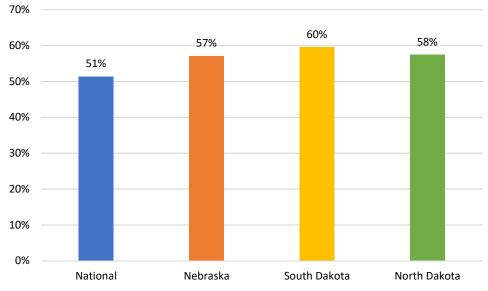


The prevalence of binge drinking has remained constant in all three GP-IDeA states between 2013-2018.

In 2018, 21-22% of adults in these states met the criteria for binge drinking.



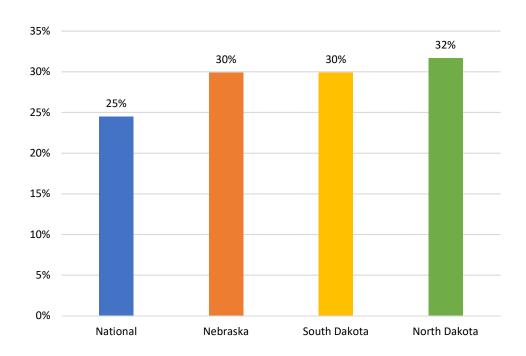
Percentage of Individuals (≥12 years) Who Had Any Alcohol Use Within the Past 30 Days 2018: US, Nebraska, South Dakota, and North Dakota



In 2018, compared to the national average of 51%, the percentage of individuals 12 years and older who consumed alcohol in the past 30 days was higher in the GP-IDeA states (57-60%).

Data Source: Substance Abuse and Mental Health Services Administration (SAMSHA), The National Survey on Drug Use and Health (NSDUH).

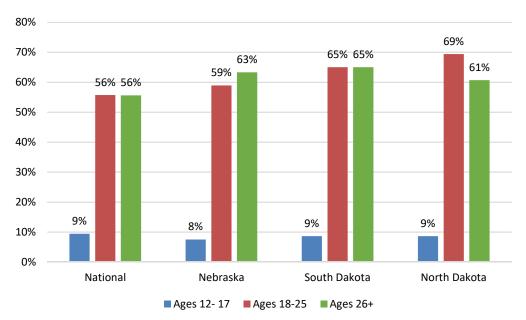
Percentage of Individuals (≥12 years) Who Had Binge Alcohol Use Within the Past 30 Days 2018: US, Nebraska, South Dakota, and North Dakota



Similarly, the prevalence of binge drinking was higher in the GP-IDeA states (30-32%) compared to the national average of 25%.



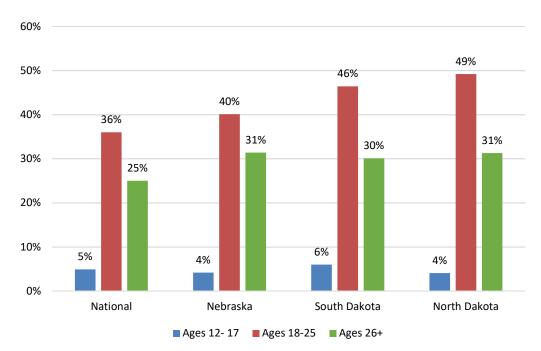
Percentage of Individuals (≥12 years) Who Had Any Alcohol Use Within the Past 30 Days By Age-Group, 2018: US, Nebraska, South Dakota, and North Dakota



In 2018, the prevalence of alcohol use in the past month was higher in the three GP-IDeA states than the national average except for those aged 12-17 years.

Data Source: Substance Abuse and Mental Health Services Administration (SAMSHA), The National Survey on Drug Use and Health (NSDUH).

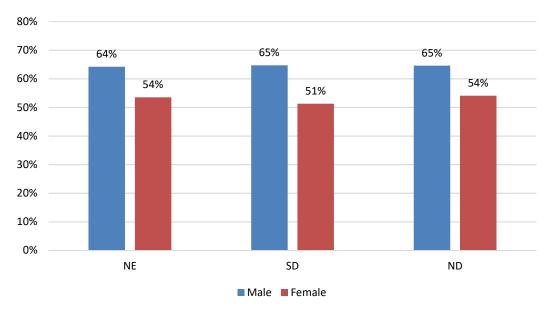
Percentage of Individuals (≥12 years) Who Had Binge Alcohol Use Within the Past 30 Days By Age-Group, 2018: US, Nebraska, South Dakota, and North Dakota



Similarly, the prevalence of binge drinking was higher in the GP-IDeA states compared to the national average except for the youngest age group.



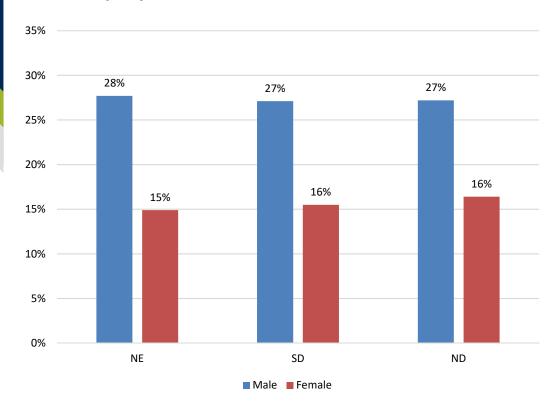
Percentage of Adults (≥18 years) Who Had At Least One Drink of Alcohol Within the Past 30 Days By Gender, 2018: Nebraska, South Dakota, and North Dakota



Males had a higher prevalence of alcohol consumption in the past month as compared to females in all three GP-IDeA states in 2018.

Data Source: The Behavioral Risk Factor Surveillance System (BRFSS), CDC.

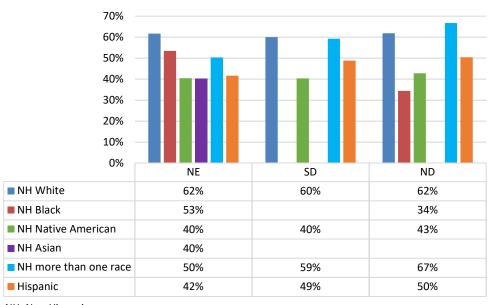
Percentage of Adults (≥18 years) Who Had Binge Alcohol Use Within the Past 30 Days By Gender, 2018: Nebraska, South Dakota, and North Dakota



In 2018, prevalence of binge drinking was much higher in males as compared to females in all three GP-IDeA states.



Percentage of Adults (≥18 years) Who Had At Least One Drink of Alcohol Within the Past 30 Days By Race/Ethnicity, 2018: Nebraska, South Dakota, and North Dakota

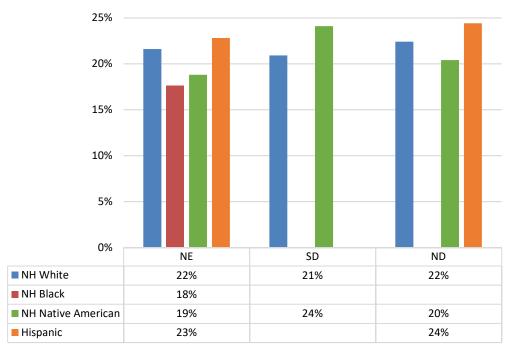


In 2018, in Nebraska and South Dakota, the prevalence of alcohol use was highest among Non-Hispanic whites while in North Dakota, the prevalence was highest among Non-Hispanic respondents who reported more than one race.

NH=Non-Hispanic

Data Source: The Behavioral Risk Factor Surveillance System (BRFSS), CDC.

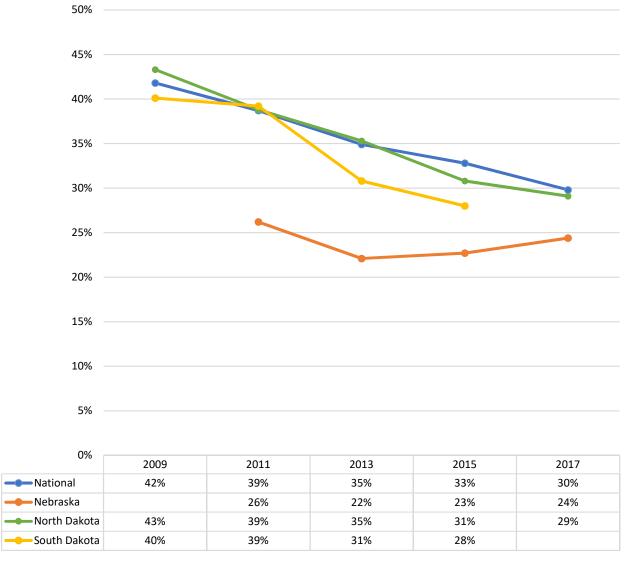
Percentage of Adults (≥18 years) Who Had Binge Alcohol Use Within the Past 30 Days By Race/Ethnicity 2018: Nebraska, South Dakota, and North Dakota



In 2018, the prevalence of binge drinking was highest among Hispanic respondents in all GP-IDeA states.



Percentage of High School Students (Grade 9th-Grade 12th) Who Had At Least One Drink of Alcohol Within the Past 30 Days, 2009-2017: US, Nebraska, South Dakota, and North Dakota



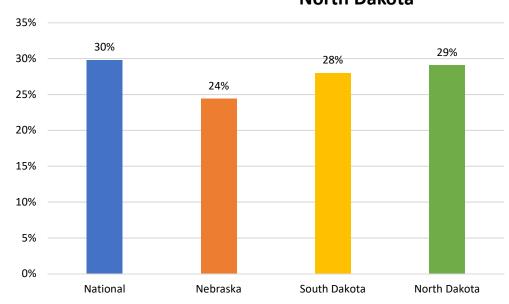
Data Source: Youth Risk Behavior Surveillance System (YRBSS), CDC.

The prevalence of alcohol use among high school students has been consistently declining in North Dakota and South Dakota as well as nationally.

In Nebraska, the prevalence of alcohol use among high school students increased from 22% to 24%.



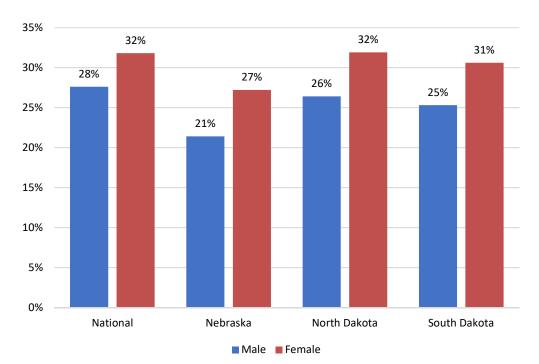
Percentage of High School Students (Grade 9th-Grade 12th) Who Had At Least One Drink of Alcohol Within the Past 30 Days, 2017: US, Nebraska, South Dakota, and North Dakota



In 2017, 24% to 29% of high school students in the GP-IDeA states had at least one alcoholic drink, which was lower than the national average of 30%.

Data Source: Youth Risk Behavior Surveillance System (YRBSS), CDC 2015 data were used for South Dakota as 2017 state-representative YRBSS was not conducted there

Percentage of High School Students (Grade 9th-Grade 12th) Who Had At Least One Drink of Alcohol Within the Past 30 Days By Gender, 2017: US, Nebraska, South Dakota, and North Dakota



The prevalence of current alcohol was higher for females as compared to males in all three GP-IDeA states as well as nationally in 2017.



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