

Great Plains IDeA-CTR Statistical Data Brief

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

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Aim:

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

Definitions:

- **Prevalence:** Percentage of all tobacco users (new and old) within the specified time period (past 30 days, past year etc.)
- Tobacco use: All data in this brief are based on commercial tobacco products and not traditional tobacco, which is used for ceremonial or medicinal purposes in Native communities

Data Source:

This brief used the most recent data available through the Behavioral Risk Factor Surveillance System (BRFSS) and the National Survey on Drug Use & Health (NSDUH).

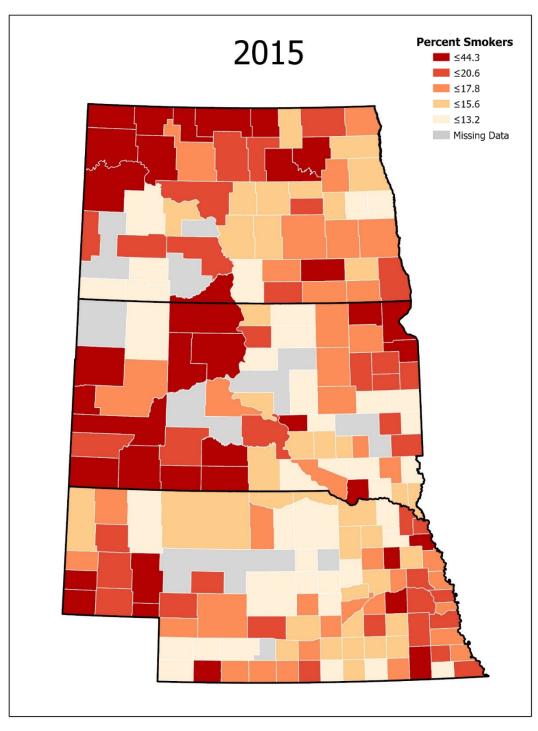
- BRFSS is comprised of health-related telephone surveys that collect state data about U.S. residents (18 years and older) regarding their healthrelated risk behaviors, chronic health conditions, and use of preventive services. It is conducted annually by state health departments and collects data in all 50 states as well as the District of Columbia and three U.S. territories.¹
- 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).²

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

² https://nsduhweb.rti.org/respweb/homepage.cfm

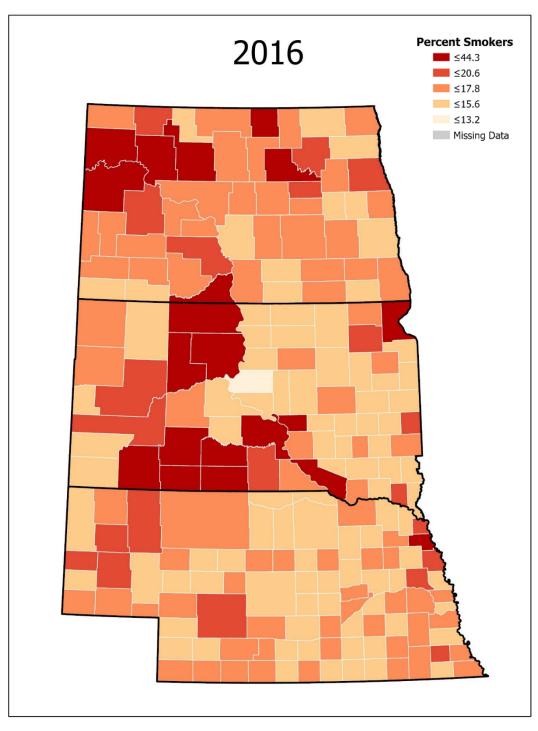


County-level representation of Percent Smokers by County in 2015



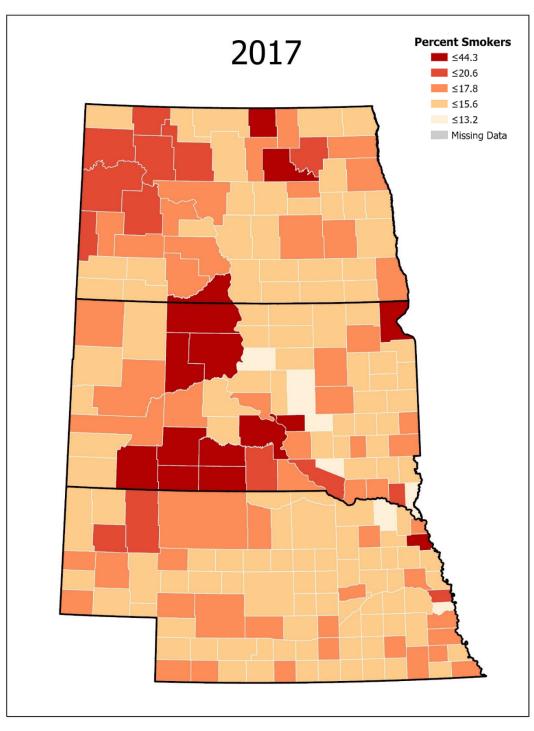


County-level representation of Percent Smokers by County in 2016



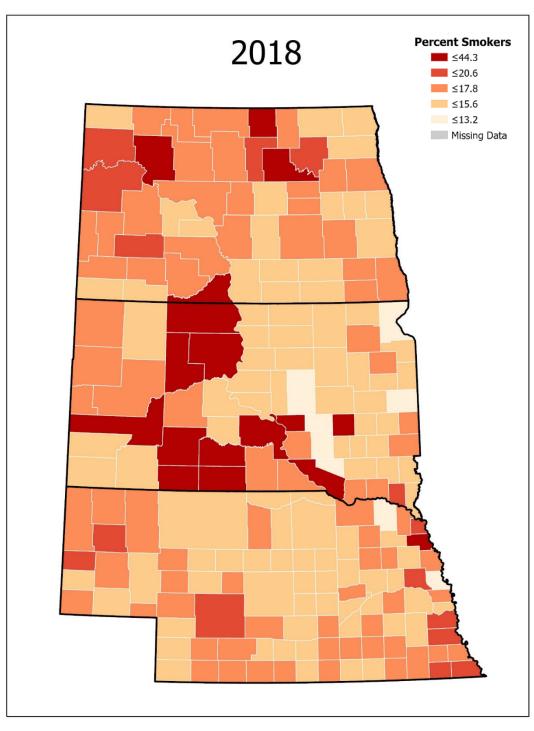


County-level representation of Percent Smokers by County in 2017



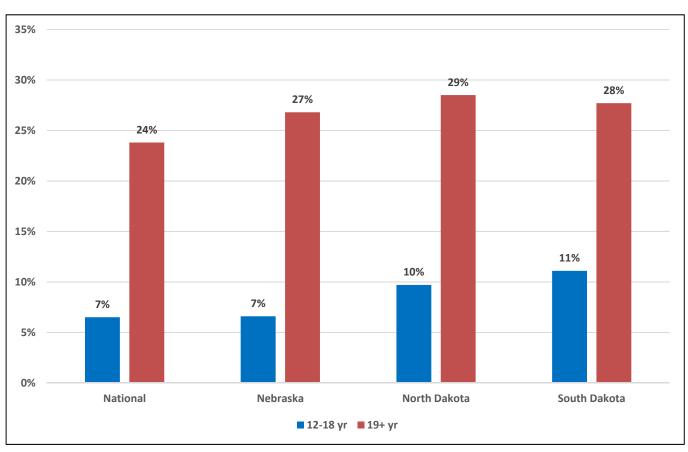


County-level representation of Percent Smokers by County in 2018





Percentage of Individuals Who Used Any Tobacco Product in the Past Month in the Great Plains Region By State and Age Group, 2018

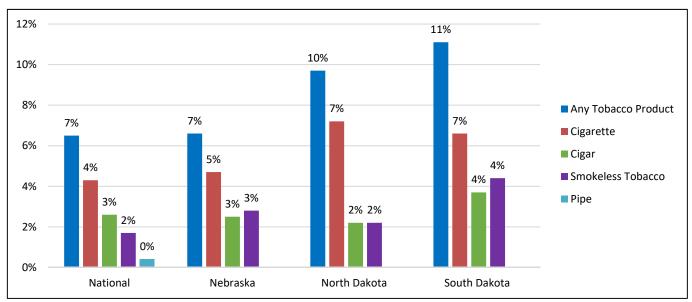


Data Source: Substance Abuse and Mental Health Services Administration (SAMSHA), The National Survey on Drug Use and Health (NSDUH).

According to the most recently available data from the National Survey on Drug Use and Heath (NSDUH), nationally, nearly one in four (24%) adults (19 years and older) and one in 10 (7%) adolescents (12-18 years old) reported to have used a tobacco product in the past month. The prevalence of pastmonth tobacco product use was higher in all three states in the Great Plains region. For example, nearly one in three (29%) adults in North Dakota reported to have used a tobacco product in the past month.

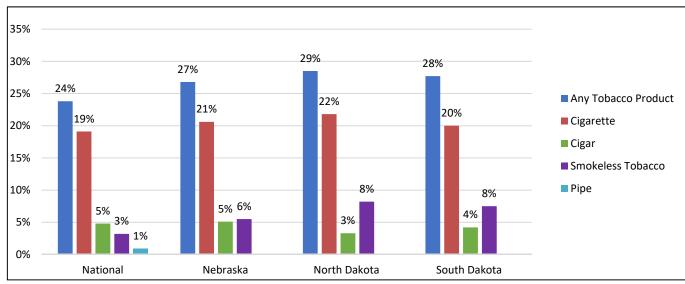


Percentage of Adolescents (12-18 Years) Who Used Tobacco Products in the Past Month in the Great Plains Region by State And Product Type, 2018



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

Percentage of Adults (19+ Years) Who Used Tobacco Products in the Past Month in the Great Plains Region by State and Product Type, 2018

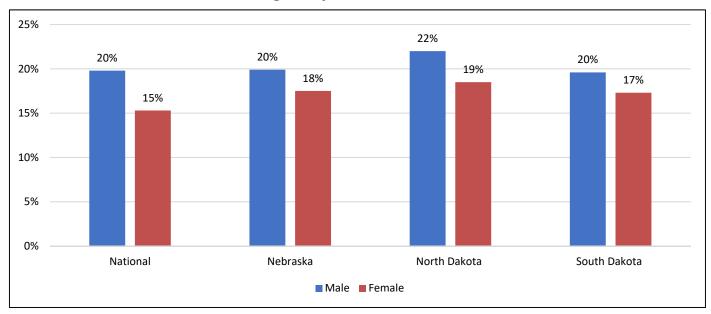


Data Source: Substance Abuse and Mental Health Services Administration (SAMSHA), The National Survey on Drug Use and Health (NSDUH).

The figures above provide detailed information about different tobacco product use by age groups. Among adults, the national rate of cigarette smoking is 19% while the prevalence is higher in each Great Plains state. The prevalence of cigarette use was the highest in North Dakota at 22% and lowest in South Dakota at 20%. A similar distribution is evident for adolescents.

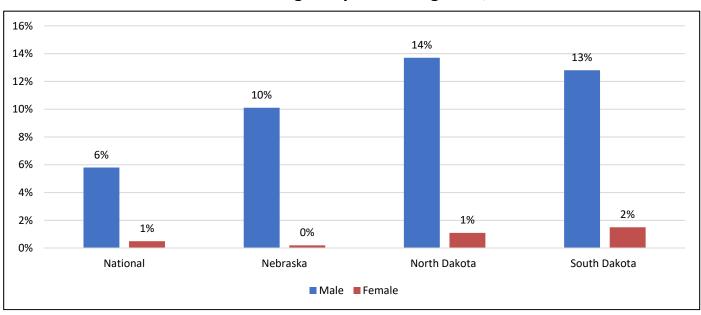


Percentage of Individuals 12 Years and Older Who Used Cigarette in the Past Month in the Great Plains Region by State and Gender, 2017-2018



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

Percentage of individuals 12 years and older who use smokeless tobacco in the past month in the Great Plains region by state and gender, 2017-2018

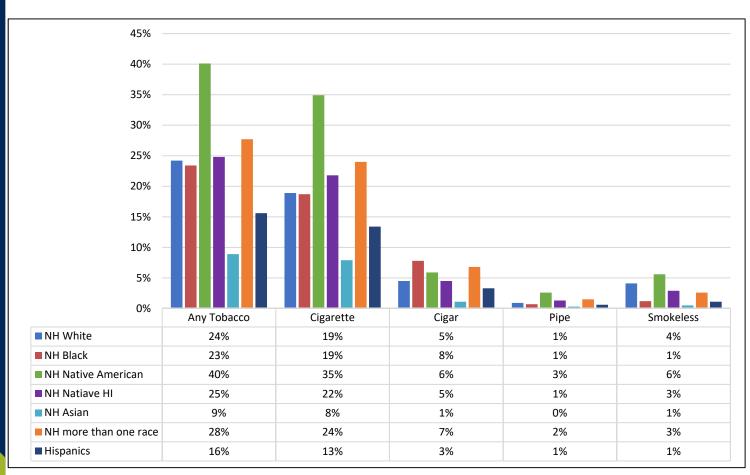


Data Source: Substance Abuse and Mental Health Services Administration (SAMSHA), The National Survey on Drug Use and Health (NSDUH).

The figures above show that males are more likely to use tobacco product than females. The gender difference is large, particularly regarding smokeless tobacco. This trend is even more pronounced in the Great Plains region. Over 10% of males 12 years and older in the region reported to have used smokeless tobacco in the past year compared to 2% or less among females.



Percentage of Individuals 12 Years and Older Who Used Tobacco Product(s) in the Past Month in the Great Plains Region by Race and Ethnicity – US Average, 2017-2018



NH: Non-Hispanic

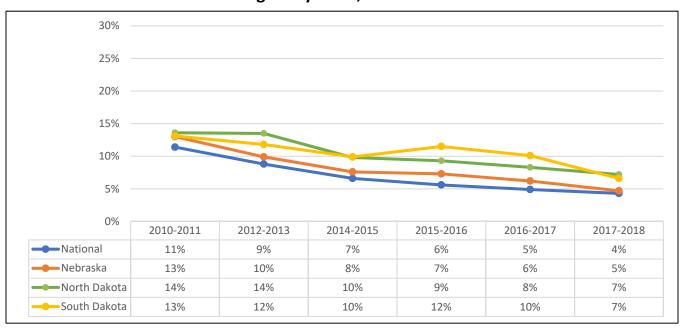
Data Source: Substance Abuse and Mental Health Services Administration (SAMSHA),

The National Survey on Drug Use and Health (NSDUH).

Nationally the prevalence of tobacco product use was highest among Non-Hispanic (NH) Native Americans with an exception of cigar use. Also, the prevalence was higher among individuals who reported more than one race. The NSDUH does not provide state breakdown by race/ethnicity; therefore, we are not able to present the Great Plains specific information in this report.

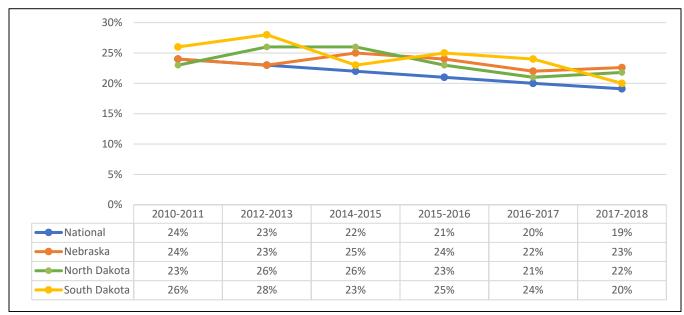


Time Trend of Cigarette Use Among Adolescents (12-18 Years) in the Great Plains Region by State, 2010-2018



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

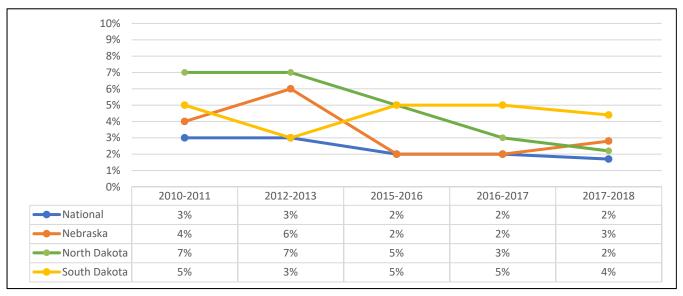
Time Trend of Cigarette Use Among Adults (19 Years And Older) in the Great Plains Region by State, 2010-2018



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

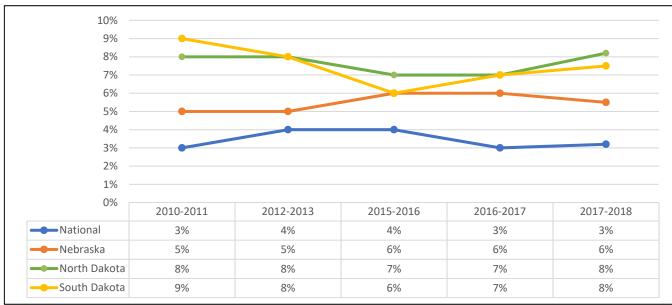


Time Trend of Smokeless Tobacco Use Among Adolescents (12-18 Years) in the Great Plains Region by State, 2010-2018 (2014-2015 Data Are Not Available For Smokeless Tobacco)



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

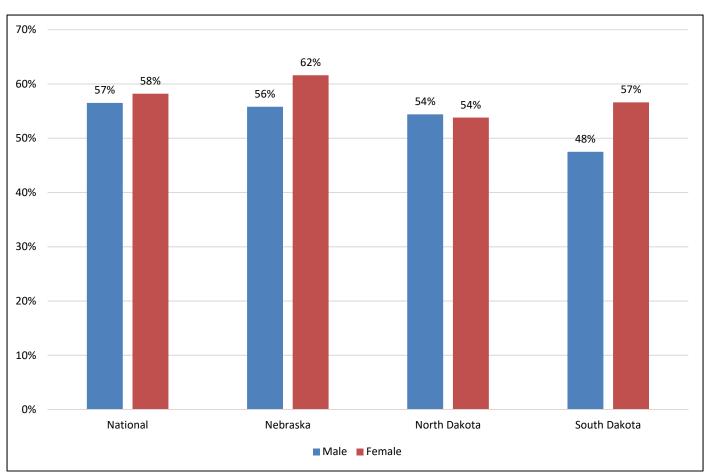
Time Trend of Smokeless Tobacco Use Among Adults (19 Years And Older) in the Great Plains Region by State, 2010-2018 (2014-2015 Data Are Not Available For Smokeless Tobacco)



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



The Percentage of Adults (19 Years And Older) Who Quit Smoking in the Last 12 Months For One Day Or More in the Great Plains Region by Gender And State, 2018



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

Finally, over half of the adult smokers quit smoking in the last 12 months for one day or more at national as well as the state level. In Nebraska and South Dakota, a slightly higher percentage of females quit smoking for a day or more compared to males.



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