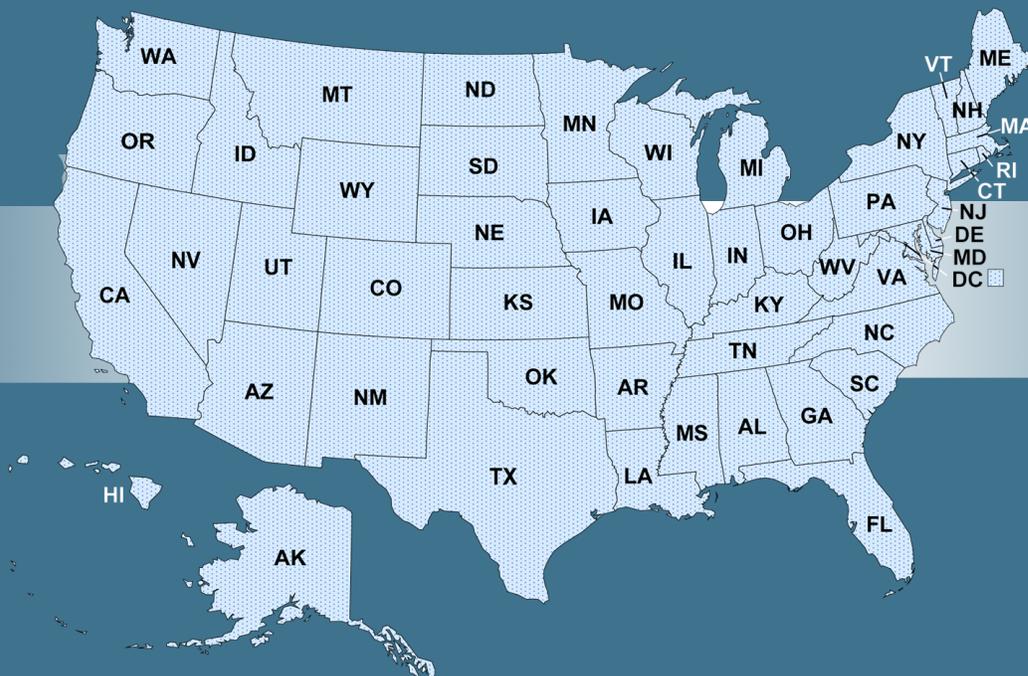


# STATE PERFORMANCE & BEST PRACTICES

*for the Prevention and Reduction of Underage Drinking*

2018



## POLICY SUMMARY:

*High-Proof Grain Alcoholic Beverages*



**SAMHSA**  
Substance Abuse and Mental Health  
Services Administration

The *State Performance and Best Practices* is required by the Sober Truth on Preventing (STOP) Underage Drinking Act (Pub. L. 109-422), which was enacted by Congress in 2006 and reauthorized in December 2016 as part of the 21st Century Cures Act (Pub. L. 114-255). The STOP Act directs the Secretary of the Department of Health and Human Services (HHS), working with the Interagency Coordinating Committee on the Prevention of Underage Drinking (ICCPUD), to develop a set of performance measures for evaluating the states' use of best practices in preventing underage drinking, and to consider a set of enumerated categories in doing so. The STOP Act also requires an annual report on each state's performance in enacting, enforcing, and creating laws, regulations, and programs to prevent or reduce underage drinking.

This *State Performance and Best Practices*, and the 51 individual State Reports, were prepared by the ICCPUD, which is chaired by the Assistant Secretary for Mental Health and Substance Use, U.S. Department of Health and Human Services.

**Time period covered by the 2018 *State Performance and Best Practices*:** The 2018 version primarily includes data from calendar year 2017. The data on state legal policies reflects the state of the law as of January 1, 2017. The state survey data was collected in 2017, and is drawn from the most recent 12-month period in which the states maintained the data.

#### **Recommended Citation**

U.S. Department of Health and Human Services (HHS), Substance Abuse and Mental Health Services Administration (SAMHSA), Interagency Coordinating Committee on the Prevention of Underage Drinking (ICCPUD). (2018). *State Performance and Best Practices for the Prevention and Reduction of Underage Drinking*.

## High-Proof Grain Alcoholic Beverages

### Policy Description

This policy addresses state laws that prohibit or restrict the retail availability of high-proof grain alcoholic beverages as a strategy for reducing underage drinking, particularly underage binge drinking.

High-proof grain alcoholic beverages such as Everclear or Gem Clear represent a type of “neutral spirits” that is odorless and colorless and contains a high percentage of alcohol. The Federal Alcohol and Tobacco Tax and Trade Bureau (TTB) defines “neutral spirits or alcohol” as “spirits distilled from any material at or above 95 percent alcohol by volume (190 proof), and if bottled, bottled at not less than 40 percent alcohol by volume (80 proof)” (Alcohol and Tobacco Tax and Trade Bureau, 2007).<sup>10</sup> Grain spirits are neutral spirits distilled from a fermented mash of grain and stored in oak containers.

High-proof grain alcoholic beverages pose particular risks for young people. They have little or no taste, odor, or color and are often added to cocktails, soft drinks, and fruit punch. This can result in an easy-to-consume concoction with very high alcohol content that is difficult to detect, particularly for inexperienced drinkers, and can lead to binge drinking.

A “serving” of alcohol contains 0.6 ounces of ethanol, per NIAAA. This is the amount of ethanol contained in 1.5 ounces of traditional (40 percent ABV) distilled spirits, 5 ounces of 12 percent ABV wine, and 12 ounces of 5 percent ABV beer. Grain alcohol, by contrast, contains approximately twice as much ethanol as traditional distilled spirits. Thus, an equivalent “serving” of grain alcohol would be 0.6 ounces of 95 percent ABV/190 proof or 0.8 ounces of 75.5 percent ABV/151 proof grain alcohol, respectively. This means there are 42 servings of 95 percent ABV/190 proof or 32 servings of 75.5 percent ABV grain alcohol in a 750mL bottle, compared with only 17 servings in a bottle of other types of distilled spirits (such as vodka) of the same size. Research suggests that young people often “overpour” their drinks, making a strong drink even stronger (White et al., 2005). This practice can therefore be particularly hazardous when high-proof grain alcoholic beverages are involved.

More than two thirds of youth binge drink (defined as five or more drinks in a sitting for men and four or more drinks in a sitting for women), and more than one fifth of these youth do so frequently (NRC & IOM, 2004). Binge drinking “is associated with drunk driving, risky sexual behavior, physical and sexual assaults, injuries, and suicides” (Naimi, Siegel, DeJong, O’Doherty, & Jernigan, 2015).

Research has found that college students often consume grain alcohol when binge drinking. The Maryland Collaborative to Reduce College Drinking and Related Problems (“the Collaborative”) created and administered the Maryland College Alcohol Survey to 4,209 students from nine schools to measure levels of alcohol use and excessive drinking (Maryland Collaborative to Reduce College Drinking and Related Problems, 2014). It found that among students who had consumed alcohol in the past month, 70 percent reported binge drinking during that time period,

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<sup>10</sup> Proof is a method of measuring the alcohol content of spirits calculated by multiplying the percent of alcohol by volume (ABV) by two.

with 11.6 percent reporting they consumed grain alcohol. Among high-risk drinkers (those who binge drank 1 to 4 days during the past month), 10.6 percent reported consuming grain alcohol over the last month. Among very high-risk drinkers (those who binge drank 5 or more days during the past month), 22 percent reported consuming grain alcohol over the last month.

Two studies looked at rates of high-proof grain alcoholic beverage consumption among all youth. According to an Internet panel of 1,032 youth ages 13 to 20, 5.8 percent of all youth reported consuming high-alcohol-content grain alcoholic beverages in the past 30 days (Siegel et al., 2014), and 2.4 percent of youth reported binge drinking such beverages in the past 30 days (Naimi et al., 2015).

Of youth who drank high-alcohol-content grain alcoholic beverages, 35.1 percent reported binge drinking. Naimi and colleagues also computed a market share ratio, the “proportion of binge reports accounted for by a particular alcohol type ... or category ... divided by its overall market share (i.e., percent of all drinks consumed) among the entire youth sample.” A number greater than 1.0 means “for a particular alcohol type or category, the number of binge drinking reports is disproportionately large relative to its market share.”

The market share ratio for high-proof grain alcoholic beverages was the fifth highest (out of 19 alcohol types or categories), at 1.59. Given the characteristics of this product and given that it is frequently mixed with punch or similar beverages, however, some youth may have consumed it unknowingly, and thus may not have reported consuming it in the studies, so the above statistics may underreport its consumption.

In many states, youth can easily obtain these beverages at low prices. The cost per ounce of ethanol for grain alcohol ranges from 52¢ to 82¢. This is substantially lower than beer (\$1.93 per ounce of ethanol), vodka (\$1.85 per ounce of ethanol), or flavored alcoholic beverages (\$2.14 per ounce of ethanol; DiLoreto et al., 2012). At this strength and price, grain alcohol provides one of the cheapest means to obtain a standard drink of alcohol and to engage in binge drinking.

### **Types of Restrictions on Sale of High-Proof Grain Alcoholic Beverages**

Many states prohibit or restrict retail sale of high-proof grain alcoholic beverages. State statutes or regulations may restrict the type of such beverages that can be sold in the state. Control states, where the state government maintains direct control over the distribution and sale of alcoholic beverages at the wholesale and/or retail levels, may also regulate high-proof grain alcoholic beverages through internal policies that are not reflected in statute or regulation (i.e., by determining administratively that the beverages will not be made available at state-run wholesale and/or retail outlets).

States that regulate grain alcohol through internal policy, rather than by statute or regulation, are reported as restricting sales only if their internal policies are published in writing. Counties or municipalities may also regulate the sale of high-proof grain alcoholic beverages by local ordinance. Such restrictions are not included in this report.



## Data Sources and Citations

Legal research and data collection for this topic are planned and managed by SAMHSA and conducted under contract by The CDM Group, Inc. For more information, including definitions of the variables for this policy, contact [underagedrinking@samhsa.gov](mailto:underagedrinking@samhsa.gov).

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