<u>Effectiveness of Public Health Strategies to</u> <u>Reduce College Binge Drinking and Underage Alcohol Use</u>

An Overview:

Scientific research into the effectiveness of public health strategies to reduce youth alcohol abuse is a rapidly expanding field. Over the years, researchers have broadened their focus, from looking primarily at alcohol abuse as an individual problem to an environmental or community perspective, which examines the social, economic, cultural, physical, and political contexts in which alcohol problems occur. Hundreds of research studies now document the impact of this public health approach to alcohol problems, including alcohol-related crime and violence. Studies show that reducing alcohol availability does reduce alcohol problems.

This shift has led to prevention strategies that share a common focus on community action and change. A dramatic example of this public health strategy are state laws that raised the minimum legal drinking age in the 1980s, after the lowering of the drinking age to 18 led to an increase in drunk driving deaths and other traumatic injuries among youth. Researchers estimate that 16,500 lives young lives were saved between 1975 and 1996 as a result of this policy change.

The following table summarizes a number of public health strategies to reduce alcohol abuse and their level of effectiveness based on existing research. Because of their relative newness, some strategies have not been fully tested or evaluated. In most cases, however, these strategies are based on well-established prevention principles or are similar to other strategies that have been scientifically proven to reduce tobacco use and other high-risk behaviors.

As part of *A Matter of Degree*, the Harvard School of Public Health is currently researching the effectiveness of several of the following strategies. Results are expected to be released over the next several years.

Strategy	Level of Effectiveness
Responsible beverage service training and	Some studies have shown improvements in ID
education on techniques that can reduce	checking as a result of training. Stronger effects
sales to minors as well as reduce sales of	have been shown on reducing service to intoxicated
alcohol to intoxicated persons	patrons, especially when combined with
	enforcement. ¹
Media campaigns, media advocacy, and	Media campaigns have been found to be very
counter-advertising	important components of enforcement efforts,
	greatly magnifying their effectiveness. Counter-
	advertising has been found to have an effect on
	attitudes toward alcohol and intentions to use. ²

Strategy	Level of Effectiveness
Conditional use permits for alcohol	This strategy has not been specifically evaluated,
outlets, including 21-and-over entry	but it may be a way of reducing access.
restrictions	
Application of appropriate sanctions to	This strategy has not been specifically evaluated. It
violating merchants	is an important adjunct to compliance checks.
Enforcement of laws against buying	This strategy has not been specifically evaluated,
alcohol for minors	but it may be a way of reducing access.
Controls on alcohol advertising (especially	Exposure to alcohol advertising has been found to
on billboards, sides of buses, and in other	have an effect on attitudes toward alcohol and
public areas)	intentions to use. ³
Prohibitions of alcohol sponsorship of	This strategy has not been specifically evaluated,
public events (e.g., a beer company	but it can be a strong expression of community
sponsoring a boat race)	norms.
Prohibitions or controls on alcohol use at	This strategy has not been specifically evaluated,
community events or in public areas (e.g.,	but it can be a strong expression of community
at county fairs, in parks, or at beaches),	norms.
which can also be seen as a control on	
access	
Controls on outlet location and density	Higher density contributes to increased alcohol-
	related problems. Lower density reduces alcohol-
	related problems. ⁴
Increases in price through excise taxes	Increase taxes have consistently been found to
	reduce alcohol consumption and problems,
	especially among youth. ⁵
Controls on hours of sale	Effects on youth have not been specifically
	evaluated, but, in general, controls on availability
	reduce alcohol-related problems. ⁶
Keg registration laws	This strategy has not been specifically evaluated but
	is consistent with general finding that reducing
	access reduces use.
Community sponsorship of alcohol-free	This strategy has been specifically evaluated, but it
activities for youth	can be an expression of community norms.

REFERENCES

PLEASE NOTE:

The overview is adapted from *Making the Link*, a paper commissioned by the American Medical Association for the 1998 Alcohol Policy Conference, authored by James E. Mosher and David H. Jernigan, Marin Institute for the Prevention of Alcohol and Other Drug Problems. The table is adapted from *Strategies to Reduce Underage Alcohol Use: Typology and Brief Overview*, prepared by the Pacific Institute for Research and Evaluation.

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