

**Statement before the Maryland Senate  
Judicial Proceedings Committee**

**Alcohol Ignition Interlocks**

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**March 8, 2011**

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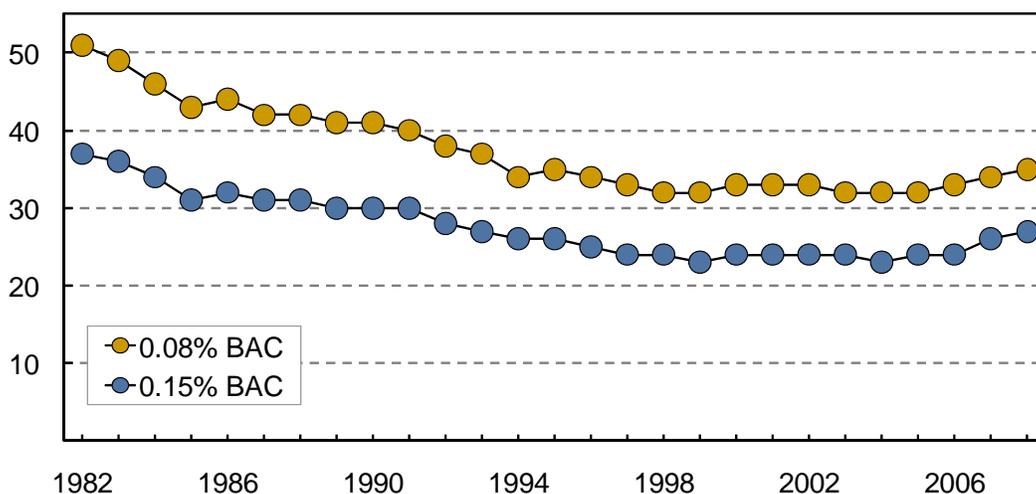
The Insurance Institute for Highway Safety is a nonprofit research and communications organization that identifies ways to reduce the deaths, injuries, and property damage on our nation's highways. We are supported by the nation's automobile insurers. I am submitting for the record Institute research on the effectiveness of ignition interlocks in reducing recidivism among people convicted of alcohol-impaired driving and results of a national telephone survey showing strong support for requiring interlocks for DUI offenders.

### Risks of Driving Under the Influence

The probability of a fatal crash rises significantly after 0.05 percent blood alcohol concentration (BAC) and even more rapidly after 0.08 percent.<sup>1</sup> Drivers with BACs at or above 0.15 percent are at very high risk of dying in a crash or sustaining severe injury.<sup>1,2</sup> Progress has been made during the past 25 years to reduce the numbers and proportions of fatally injured drivers with BACs at or above 0.08 percent. Since 1982 there has been a 37 percent decline in the number of passenger vehicle drivers killed in crashes who had BACs at or above 0.08 percent. There also has been a substantial decline in motorists with BACs at or above 0.15 percent, who often are assumed to be hard-core drinking drivers.

Most of this progress came before the mid-1990s. Since then little headway has been made, so alcohol-impaired driving still is a major problem. In 2005 Institute research estimated that 8,916 deaths would have been prevented if all drivers on the road had BACs lower than 0.08 percent.<sup>3</sup> Applying the same methods yields an estimate of 8,104 preventable deaths in 2008 if BACs had been below 0.08 percent.

**Percent of Fatally Injured Passenger Vehicle Drivers with BACs At or Above Specified Thresholds, 1982-2008**



## **Why Deterrence is So Important**

Most alcohol-impaired drivers never are stopped. Others are stopped, but police may miss signs of impairment. A 1999 study estimated the chance of arrest when driving with a BAC at or above 0.08 percent at less than 1 in 50.<sup>4</sup> This means the average first-time offender is likely to have driven under the influence more than 50 times before conviction, and the arrest leading to the conviction usually is simply the first time the offender has been apprehended, not the first time the offense was committed.

There are not enough police to apprehend all drivers impaired by alcohol, so efforts are ongoing to go beyond traditional enforcement and deter potential offenders before they drive. One way involves ignition interlocks, and almost all states permit some offenders to drive only if their vehicles have been equipped with such devices. Analyzing drivers' breath and disabling the ignition if a would-be driver has been drinking, interlocks help take some of the burden of enforcement off of police and allow technology to consistently prevent drivers from operating vehicles while under the influence of alcohol.

## **State Laws Regarding Interlocks**

More than half of all US states require some DUI offenders to install ignition interlocks on their vehicles to drive during license suspension and/or require interlocks for specified time periods before full relicensure (see map on page 3). Thirteen states (Alaska, Arizona, Arkansas, Colorado, Hawaii, Illinois, Louisiana, Nebraska, New Mexico, New York, Oregon, Utah, and Washington) apply such restrictions to all offenders, including first-timers. An additional 9 states apply the restrictions to offenders with high BACs (usually 0.15 or higher) and to repeat offenders, while 6 other states apply the restrictions only to repeaters.

Laws in the remaining states do not require interlocks at all, though courts or DMVs in 19 states and the District of Columbia have the discretion to apply interlock requirements. Only 3 states (Alabama, South Dakota, and Vermont) have no interlock laws.

## **Interlocks Reduce Recidivism**

Studies have shown that alcohol ignition interlocks are effective in reducing recidivism among people convicted of impaired driving.<sup>5</sup> A 1999 Institute study randomly assigned multiple offenders in Maryland who were eligible for license reinstatement to an interlock program or the state's conventional post-licensing treatment program. Participation in the interlock program reduced by nearly 65 percent the risk of committing an alcohol-related traffic violation within the first year



## Public Support for Interlocks

A 2009 national telephone survey assessed attitudes toward in-vehicle alcohol detection technology. Seventy-two percent of respondents said they had heard about alcohol ignition interlocks for cars of convicted DUI offenders. Eighty-four percent thought this is a good or very good idea. These and other results indicate that most of the US population is receptive to the idea of advanced alcohol detection devices in vehicles to prevent repeat offenses. Moreover, sixty-four percent agreed that such devices could be a good idea in all cars when the technology is proven reliable. Most people in favor of it said it would prevent alcohol-impaired driving, save lives, or prevent crashes.

It is not surprising that support for alcohol detection technology is highest among respondents who do not drink. More encouraging is that it also is favored by the majority of respondents who drink, who have driven within 2 hours of consuming alcohol, and who may have driven with BACs higher than the legal limit.

## Conclusion

Alcohol ignition interlocks are proven deterrents to repeat DUI offenses. They reduce recidivism among multiple offenders by nearly two-thirds. Reductions in DUI offenses would be greater if all offenders, not just repeat offenders or those with very high BACs, were required to install interlocks. The public understands the importance of this technology to prevent deaths and injuries from DUI crashes.

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