Ignition Interlock and Alcohol Monitoring Technology

Setting the Standard in Alcohol Monitoring Technology®
Overview

- Interlock has been around since the 80's
- Research has proven interlocks effective in reducing DWI recidivism 50% – 90%
- Ignition interlock programs currently in use all 50 states in the U.S.
- Approx. 54,000 Interlocks in use in TX
- 89,539 DWI’s reported in 2017 (TDPS)
- 17 Texas Interlock Manufacturers; 25 Interlock Devices
- 580 Interlock service centers in Texas
Background

• The first state ignition interlock pilot program began in California in 1986.

• MADD launched the Campaign to Eliminate Drunk Driving in 2006.
  • 100,000 interlocks installed in the United States.
  • 2017, there were nearly 349,000 interlocks in use.

• Today, 33 states plus Washington, DC require or highly incentivize the use of an ignition interlock for every convicted offender.
What is an Interlock?

• An electronic device wired into the ignition system of a vehicle which requires the user to pass a breath alcohol test in order to start the vehicle.

• AKA: Breathalyzer, Interlock, BAIID, IID

• Requires a breath sample, fail level determined by state, In Texas .030 (BrAC) breath alcohol content to pass.
Texas Law

- **Bond** – 1st offender or BAC .15 or higher- Judicial discretion
  2nd and Subsequent DWI offender
  Intox Assault and Intox Manslaughter
- **Probation** – 1st offender with BAC .15 or greater
  All 2nd and subsequent offender under 21 1st offender
  Intox Assault and Intox Manslaughter
- **Occupational** - All offenders; in lieu of hard suspension,
  Allows Immediate driving privilege – no route restrictions

- **2017 legislative session** – “Second Chances” Bill
- **2019 Session** – DFAJ, Registry of IID offenders
The Technology

- Technical Standards – NHTSA specs
- State oversight - TDPS
- Fuel Cell – Specific to Alcohol
- Anti-circumvention features
- Running Re-test / Rolling Re-test
- Data recorder
  - Reports to authorities
The Facts

• Interlocks are more effective than license suspension
• Arizona, Oregon, New Mexico and Louisiana have cut deaths 30%
• 32 states, plus DC have .08 first offender laws
• Research indicates first offenders have driven drunk 80 times before being arrested.
• To get to .08 BAC, a 160 lb. male, must drink 4 drinks in an hour
Research Summary

  - The number of impaired driving crashes falls 16 percent when states enact all-offender ignition interlock laws.
  - If all states mandated interlocks for all DUI offenders, more than 500 of those deaths would have been avoided.

  - Ignition interlock laws reduce alcohol-involved fatal crashes. Increasing the spread of interlock laws that are mandatory for all offenders would have significant public health benefit.
  - Laws requiring interlocks for all drunk driving offenders with a blood alcohol concentration (BAC) of .08 or greater were associated with a seven percent decrease in the rate of drunk driving fatal crashes.

  - DUI deaths decreased by 15% in states that enacted all-offender interlock laws.
  - States with mandatory interlock laws saw a 0.8 decrease in deaths for every 100,000 people each year – which is comparable to lives shown to have been saved from mandatory airbag laws (0.9 lives saved per 100,000 people.)
Purpose of Interlock

- Alternative to jail
- Keeps offender licensed and insured
- Allows offender to work, support family, pay court fees, attorney
- Participate in treatment
- Remain productive member of community and family
- Separates drinking from driving
How are Interlocks Used

- Probation
- Parole
- Bond
- License reinstatement and licensing Repeat offenders
- Deferred Prosecution
- 1st offenders
- 1st offenders with High BAC (.15 or higher)
- Repeat offenders
- Family Violence (alcohol a factor)
- Court Visitation – Domestic courts (alcohol factor)
- Voluntary
Benefits of Interlock

• Provide public safety
• Monitoring Tool
  • Reporting and Supervision
• Prevent Repeat Behavior
• Form of Incapacitation
  • Bridge license suspension to full reinstatement
• Research supports reduction recidivism among 1st and Repeat offenders – 15 Peer reviewed studies
• 87 % of offenders thought fair sanction
Interlock Technical Standards

• NHTSA, Released May 8, 2013
  Device specifications – 1992
  Final May 8, 2014

• TDPS State oversight
  Texas Administrative Code, Ch. 19 Breath Alcohol Testing Regulations
  ✔ Device certification
  ✔ Device programming and specifications
  ✔ Inspection of vendor facilities

• IID oversight reviewed by Sunset Commission
  2018
Device Features

• Language and visual display
• BRAC threshold .030
• Lock-out time – 15 min. temp lockout
• Stall protection – 3min in traffic
• Pull over notice – 6 min. to take the test
• Recall notice – 72 hours
• Violations – combination of 5
• Photo ID – identify user
• Wireless/Cellular/ GPS/ Facial Detection
**Cellular**
- Daily downloads
- Immediate notification of Violation

**Camera**
- Identify user
- Compliance

**GPS**
- Determine patterns of where offenders go
- Tracking where violations are occurring
Installation and Costs

• 560 interlock service points in Texas – DPS website
• Installation takes approx. 1 hour
• Return every 30 – 60 days
• Install - $50.00 or Free
• Average Monthly - $2.30 a day or $69.00 mo.
• Reports sent to authorities via email
  • Texas – reports sent next business day
• Authorities access to client information through Web
Installation
Interlock 101 – How it Works
Service

• Client training – written, hands on video
• Service provider to conduct physical tamper inspections
  • If tamper found report to monitoring authority
• 24 hour toll free number
Truths and Myths

• Car stops in middle of road
• Gas fumes and Perfume
• Battery drain
• Cigarette smoke

• Cinnamon rolls and donuts
• Pool chlorine
• Spicy foods
• Windshield washer fluid
• Teeth whitener
Ignition Interlocks

• Successes
  • *Separates Drinking from Driving*
  • Three decades of Research
    • Proven Tool to prevent recidivism

• Obstacles
  • Offenders do not install
  • Lack of information and education on how the Interlock works
  • Managing Workload
  • Monitoring the offender
Interlocks Globally

• Commercial Applications
  • Sweden has 40,000 interlocks
  • 9 million people
    • North Carolina 11,509 IID’s

• Not necessarily an offender market
Busses, School Busses, Trucks, Taxi, Trains, Transportation of Dangerous Goods
- Customizable dashboard shows all company fleet vehicles
- Selectable option to view all vehicles on map or a single vehicle
Driver Alcohol Detection Safety Systems (DADSS)

- Advanced Technologies development since 2008
  - Interlocks in all Cars
    - Driver Alcohol Detection Safety Systems
  - www.dadss.org
  - Cooperative research with Car Manufacturer’s and NHTSA
  - Over $10 million dollars
  - Pilot testing Vehicle Proto-Type
  - Must be Passive, not hassle sober driver, relatively inexpensive
    - Breath based and Touch based
Alcohol Monitoring Technology
Alternative Alcohol Monitoring Technology

• What is Alternative Alcohol Monitoring?

• Types of Alcohol Monitoring
  • Smart Mobile, SCRAM, TAD, MEMS, Soberlink, Bac Trac, Breath Check

• Background of Development in Texas
  • New Mexico legislation – No Car
  • Sobriety monitoring - Judges
Role of Alcohol Monitoring

- Offenders more accountable
- Help separate compliant from noncompliant offenders
- Direct offenders to treatment and supervision
- Enhances public safety – offenders stay sober
- Separates alcohol from the offender
Advantages

- Affordable price point
- Offender Paid – no cost to the state or local government
- Photo ID and test results available online
- Next day results
- Simple to use
  - Just plug it in and blow when requested by the device
  - No phone line required
  - No Blow technique for user to learn
- Portable
Benefits of Using Technology to Monitor Offenders

• Ensure participants maintain sobriety
• Increase offender accountability
• Provide alternatives to the court system
• Provide for flexibility in supervision based on offenders compliance i.e., Rewards and Punishment
• Use of technology to address alcohol issues
What else is needed?

- Compliance Based Removal
- No license reinstated until served successful period of IID
- Criminal offense to tamper/circumvent
- Criminal offense to drive a non-interlock equipped car
- Path to tie IID to license – police don’t know who is required to have an IID on a stop
Separating Drinking from Driving®

Serviced over 1 Million customers

Over 1 Billion Safe starts

Over 11 Million illegal starts prevented
Conclusions

• Over 1000 studies showing effectiveness of Ignition Interlocks over the last 20 years
• Not one tool is the Silver bullet
• Criminologist agree – Swift and Certain Penalties are more effective
• Insert the “intervention” during the teachable moment
• Allow offenders to take responsibility for their own actions and choices
Friends Don't Let Friends Drive Drunk
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