In Vehicle Breathe Alcohol Testing



In-vehicle breath alcohol systems prevent engine start if a driver's BAC exceeds a set limit, typically mandated for DUI offenders.

Implementation Strategy

How and Where to Apply

- Ignition interlocks are mandated under state DUI laws, requiring installation through certified providers for license reinstatement.
- Applications go through DMV or courts, with monitoring for compliance. Voluntary use is also common among fleets and parents of teens.
- The FHWA states that this marking can be used "Ignition interlocks are the only technology currently available that protect the public by physically preventing a person from driving a vehicle if they have been drinking."

Use in a Safe System Approach

This supports the Safe System by preventing impaired driving at the source (preventive control principle). By detecting alcohol before driving, it protects all road users from high-risk behavior and compensates for human error with a built-in safeguard.

Key Stakeholders

State departments of motor vehicles, judicial and law enforcement agencies.

Proactive Implementation

Require certified ignition interlocks for all DUI offenders as a condition of license reinstatement. Ensure devices are regularly calibrated and equipped with data logging for compliance monitoring. Integrate interlock data into DMV or court systems, offer financial assistance for low-income users, and promote early installation to increase compliance, improve enforcement, and reduce alcoholimpaired driving incidents.

Countermeasure Overview

Objective: Enforce DWI Laws

Strategy: Enhance DWI Detection Through Special DWI Patrols and Related Traffic Enforcement

Targeted Solution



- MisjudgmentVisibility
- Slower response



SpeedingAggressive



All



All

Safety Linkage



Alcohol-Related Collisions



Safer Drivers and Passengers



Users

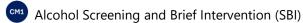
SAFE SYSTEM ROADWAY DESIGN TIER 1

TIER 2
TIER 3
TIER 4

N/A

Breathe Alcohol Testing . Source: Alcolock

Selected Related Countermeasures



Administrative License Revocation (ALR)

a High-Visibility Enforcement (HVE) Campaign

Cost: \$ (Low)

Service Life: > 5 years

70%

Reduce the chance of repeat DUI offenses¹

¹ CDC, 2024

Resources

- NHTSA: Countermeasures That Work: A Highway Safety Countermeasure Guide
- <u>CDC. Effectiveness of Ignition Interlocks for Preventing Alcohol-Impaired Driving.</u>



