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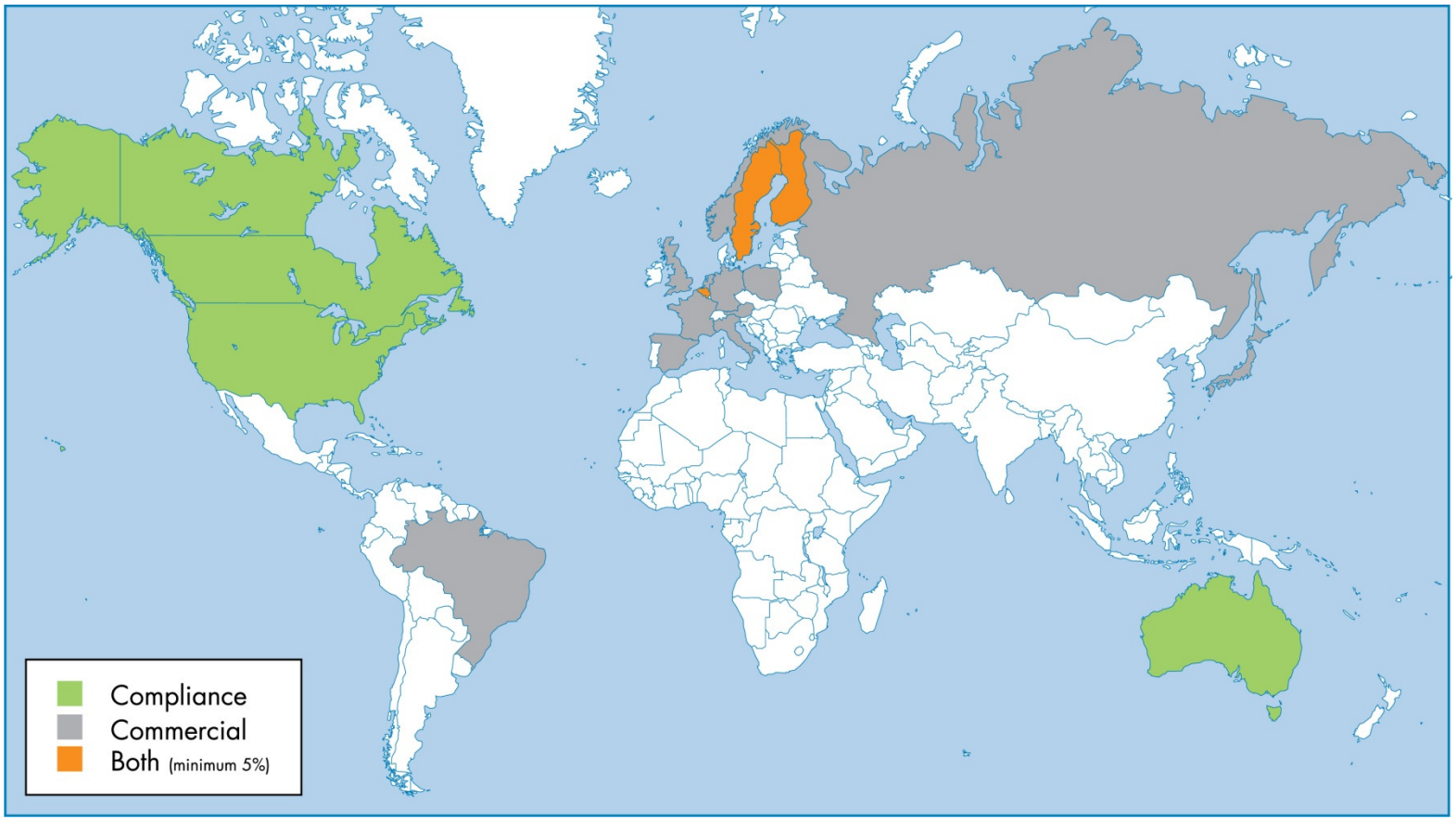


25 years of progress

Safe & Sober Stockholm October 26, 2011

Alcohol Interlock Presence in the World

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Significant Events

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1985:	**First Semiconductor Alcohol Interlock developed**
1986:	**First legislated Alcohol Interlock program, California USA**
1989:	**First Alcohol Interlock program in Alberta, Canada**
1994:	**First Electro-chemical Alcohol Interlock developed**
1999:	**First Commercial Alcohol Interlock pilot program in Sweden**
1999:	**Swedish Alcohol Interlock pilot program starts**
2005:	**Volvo Truck introduces the first production fitted Alcohol Interlock**
2008:	**Volvo Car introduces wireless integrated Alcohol Interlock**

Vehicle Manufacturers

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Volvo Truck Alcolock



Volvo Car Alcoguard







Alcohol Interlock Symposium

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ANNUAL INTERNATIONAL
ALCOHOL INTERLOCK SYMPOSIUM

2000: First Interlock Symposium in Montreal, Canada
26 participants from 3 countries

2011: 12th International Alcohol Interlock Symposium in Palm Springs, California
175 participants from 18 countries

2012: 13th International Alcohol Interlock Symposium Helsinki, Finland
August 2012 Hosted by Trafi (Finnish Transport Safety Agency).

http://www.interlocksymposium.com

Alcohol Interlock Standards

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Europe **CENELEC EN50436-1 (2005)***	**Instruments for drink-driving-offender programs**
CENELEC EN50436-2 (2007)*	**Instruments having a mouthpiece and measuring breath alcohol for general preventive use 2**
USA **NHTSA Docket No. 91-07 (1992)***	**Model Specifications for Breath Alcohol Ignition Interlock Devices (BAIIDs)**
Australia **AS 3547 (1997)**	**Breath alcohol testing devices for personal use**
Alberta **355A02-01 (1992)**	**Qualification test specification for Breath Alcohol Ignition Interlock Devices (BAIID) for use in the Province of Alberta**
Canada **CSTT-HVC-TR-114 (2011)**	**Technical Standard for Vehicular Breath Alcohol Interlock Devices in Canada** **Final draft to be delivered in 2011**
Japan	**Breath Alcohol Interlock Technical Guideline (Draft)**

*** Currently under revision**

Quality assurance

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Regular inspection and calibration of the Alcohol Interlock

Review of the events log to ensure driver compliance

Certification and annual inspection of calibration facilities

Certification of technical staff performing Alcohol Interlock Calibration

Requirement of ISO 9001 for all facilities supplying, installing and calibrating Alcohol Interlocks

Research groups

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ETSC	**European Transport Safety Council** **http://www.etsc.eu**
TIRF	**Traffic Injury Research Foundation** ***www.trafficinjuryresearch.com***
PIRE	**Pacific Institute for Research and Evaluation** ***www.pire.org***

Studies & Reports

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Drink Driving in commercial transport
ETSC European Transport Safety Council
http://www.etsc.eu

Ignition Interlocks: From Research to Practice , A primer for judges
Traffic Injury Research Foundation
www.trafficinjuryresearch.com

Alcohol Interlock in Canada: From Research to Practice
Traffic Injury Research Foundation
www.trafficinjuryresearch.com

Alcohol Interlock Programs: Vendor Oversight
Traffic Injury Research Foundation
www.trafficinjuryresearch.com

Alcohol Ignition Interlock Devices Volume II Research, Policy, and Program Status 2005
THE INTERNATIONAL COUNCIL ON ALCOHOL, DRUGS & TRAFFIC SAFETY
http://www.icadts.org

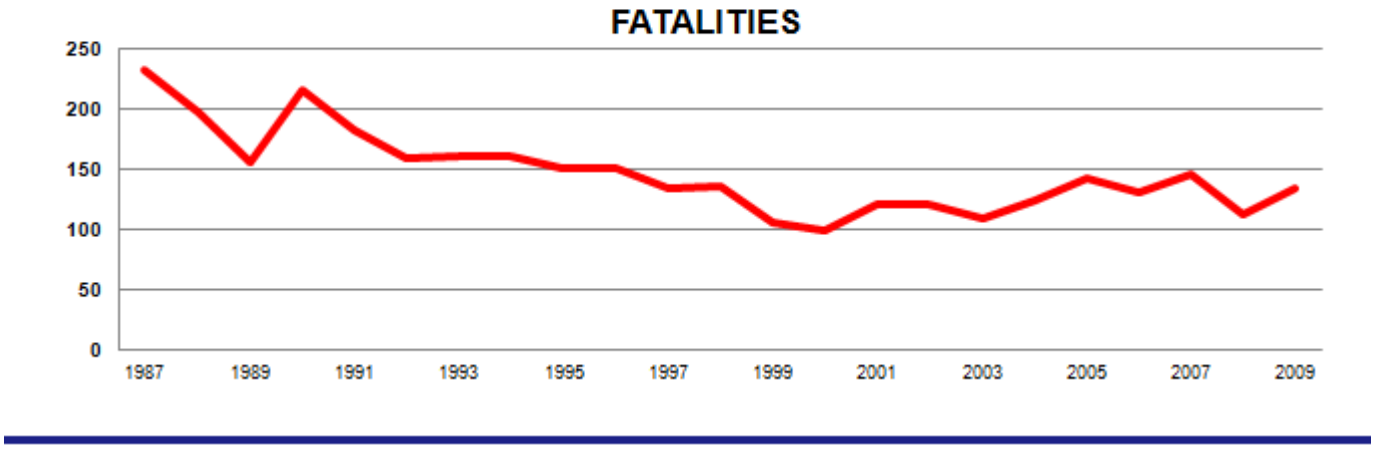
Legislation

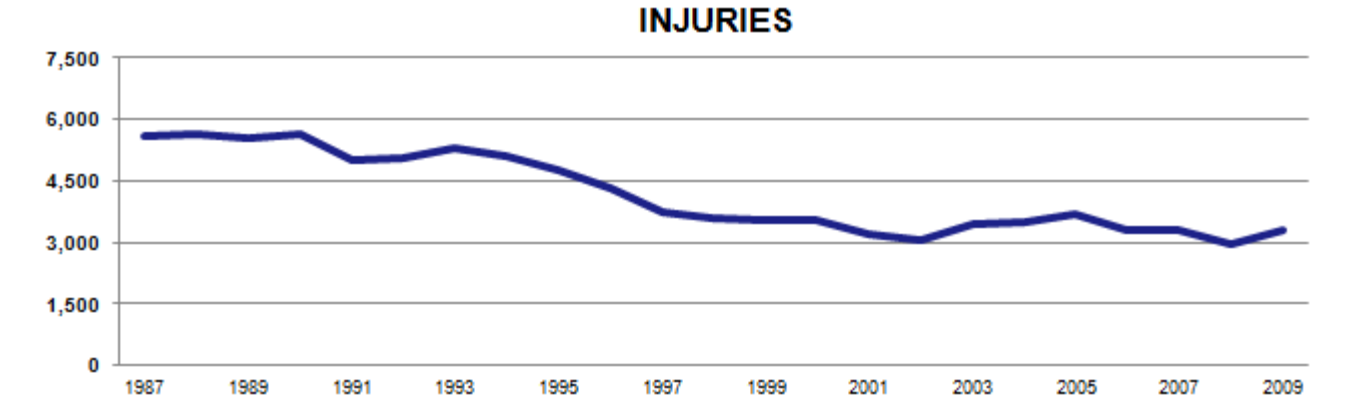
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2005	New Mexico Mandatory first offender Reduced recidivism
2010	Netherlands Alcohol Ignition Interlock program. Mandatory for high BAC (BAC 1.3 – 2.1 per mille)
2010	British Columbia introduces new impaired driving law. Open ended, extension for non compliance
2010	France introduces the first commercial regulation requiring Alcohol Interlocks in all buses transporting school children. 60,000 vehicles to be installed
2011	Finland introduces regulation requiring Alcohol Interlocks in all buses / taxis transporting school children.

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Impaired Driving Trend in BC 1987 to 2009





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Previous System

Driving with Blood Alcohol Level Between .05 and .08

1st and 2nd Offences

24 hour prohibition
Discretionary Impoundment
At Roadside



3rd Offence

24 hour prohibition
Discretionary Impoundment
At Roadside

Ignition Interlock Program

Mandatory 1 year requirement to have a breathalyzer device installed on vehicle ignition

Responsible Driver Program

Mandatory Drinking Driver Education and Counselling Program

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Previous System

Driving with Blood Alcohol Level Above .08

1st Offence

90 Day Prohibition
24 Hour Impoundment
21 Day waiting period
Processed at the Station



2nd Offence

90 Day Prohibition
24 Hour Impoundment
21 Day waiting period
Processed at the Station

Ignition Interlock Program

Mandatory 1 year requirement to have a breathalyzer device installed on vehicle ignition

Responsible Driver Program

Mandatory Drinking Driver Education and Counselling Program

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Challenges of Previous System



- Poor Road Safety Outcomes
- High Recidivism Rates
- Ineffective Use of Police Resources
- Ineffective Use of Courts
- High Risk Drivers on Road Within 24 Hours

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Stakeholders & Partner Agencies



BCAA CAA
ROAD SAFETY FOUNDATION

CCSA - CCLAT

Lead Agency
Road Safety
OSMV

BRITISH COLUMBIA

MADD
Mothers Against Drunk Driving™
Les mères contre l'alcool au volant™

ICBC

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NEW Immediate Roadside Prohibitions

Driving with Blood Alcohol Level Between .05 and .08

1st Offence:

3 Day Prohibition + $200 Penalty + 3 Day Vehicle Impoundment + Licence Reinstatement Fee

2nd Offence:

7 Day Prohibition + $300 Penalty + 7 Day Vehicle Impoundment + Licence Reinstatement Fee



3rd Offence:

30 Day Prohibition + $400 Penalty + 30 Day Vehicle Impoundment + Licence Reinstatement Fee

Ignition Interlock Program

Mandatory 1 year requirement to have a breathalyzer device installed on vehicle ignition

Responsible Driver Program

Mandatory Drinking Driver Education and Counselling Program

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NEW Immediate Roadside Prohibitions

Driving with Blood Alcohol Level Above .08

1st Offence:

90 Day Prohibition + $500 Penalty +
30 Day Vehicle Impoundment
+ Licence Reinstatement Fee

Ignition Interlock Program

Mandatory 1 year requirement to have a breathalyzer device installed on vehicle ignition

Responsible Driver Program

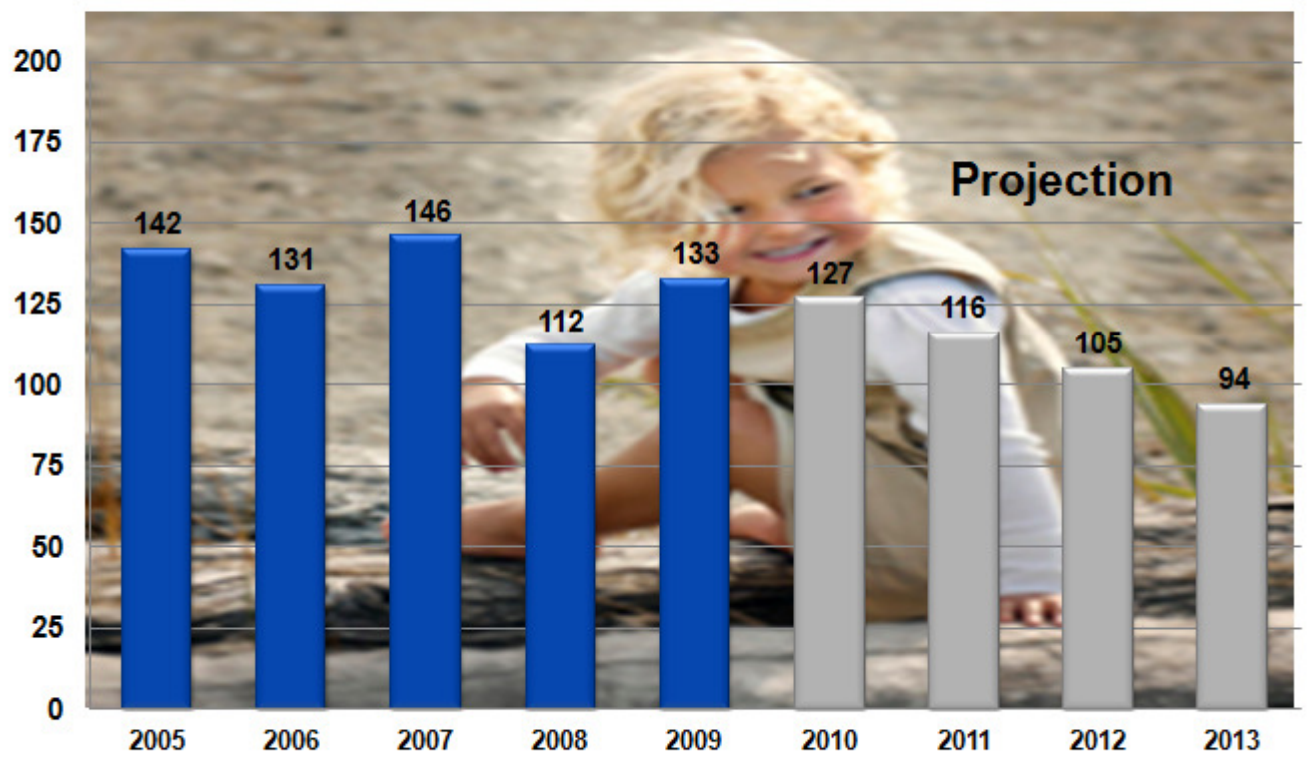
Mandatory Drinking Driver Education and Counselling Program



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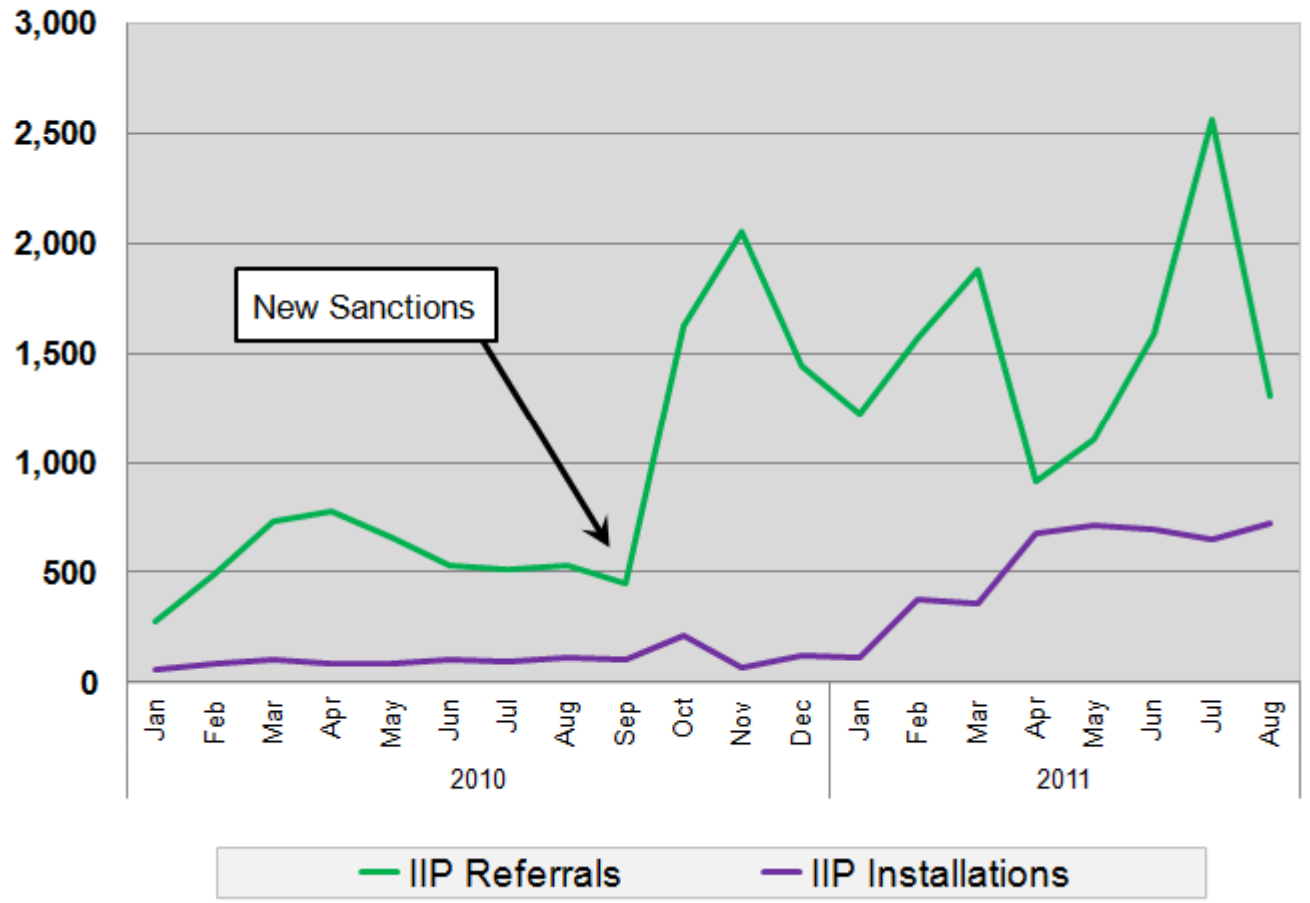
Provincial Goal

35 Percent Reduction in Fatalities by End of 2013



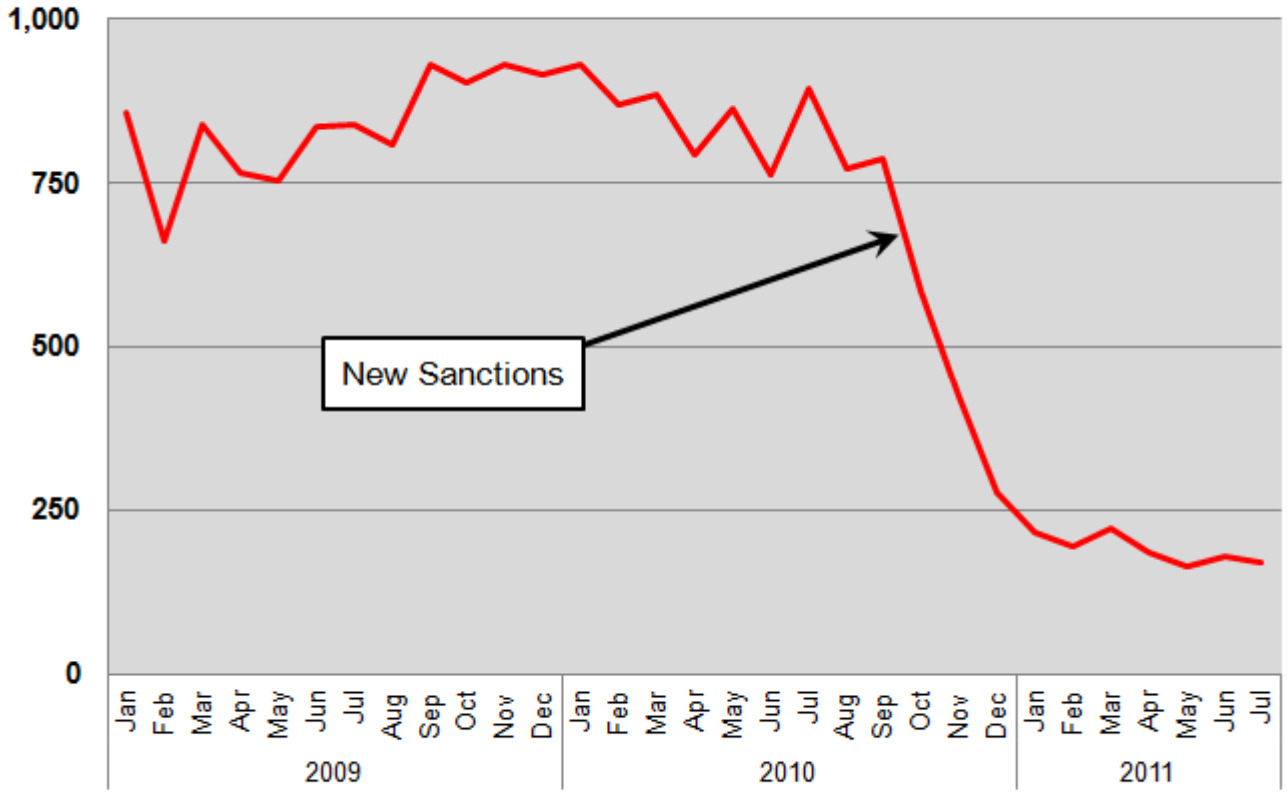
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Ignition Interlock Program Volumes



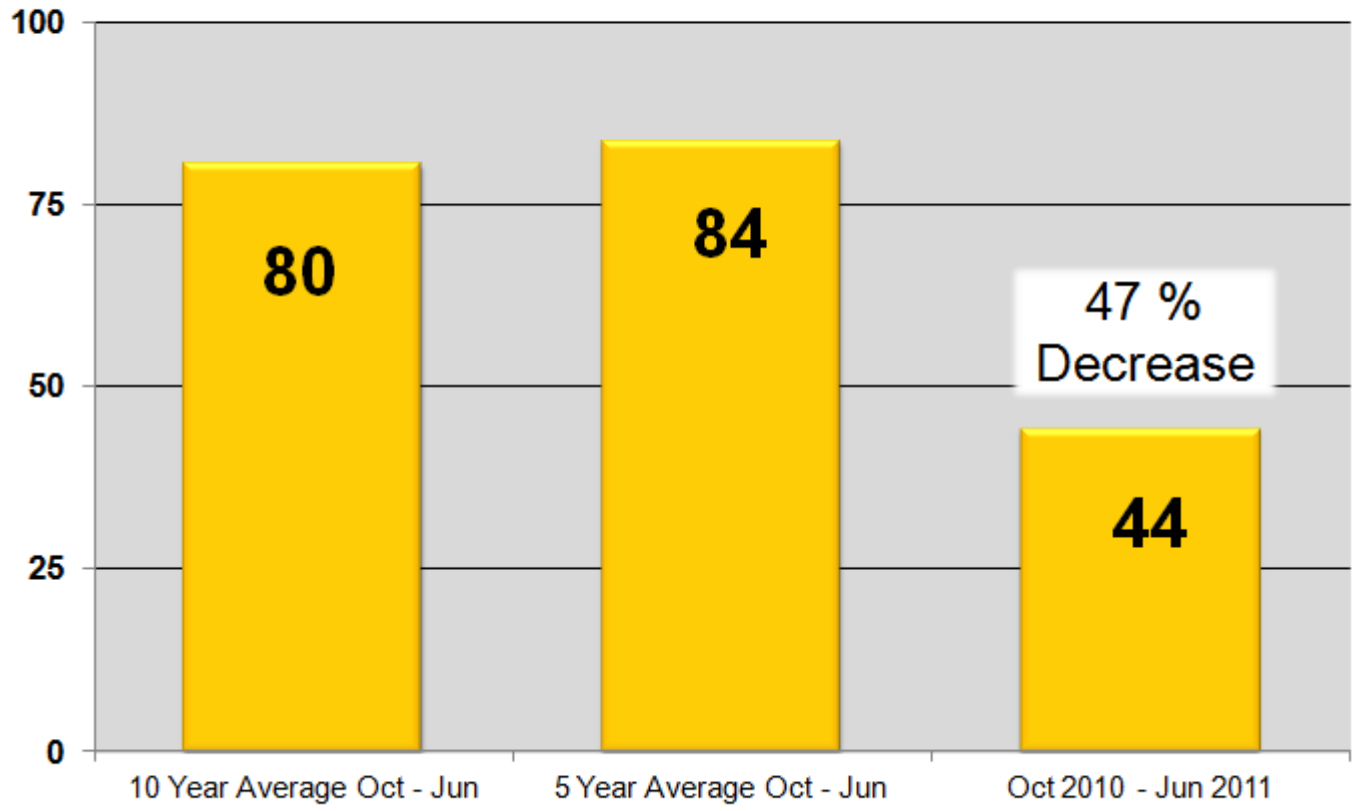
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Impaired Driving Criminal Code Volumes



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RESULTS - Alcohol Related Fatalities



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Feedback

Good level of public support for new approach

More information for citizens on sanctions, rights and how remedial programs work

Business developed some creative solutions (low alcohol drinks, shuttles, designated driver)

Court decision may require additional changes

British Columbia Canada

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Conclusion

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There are over 750 million motor vehicles in the world today, and over 50 million built per year.

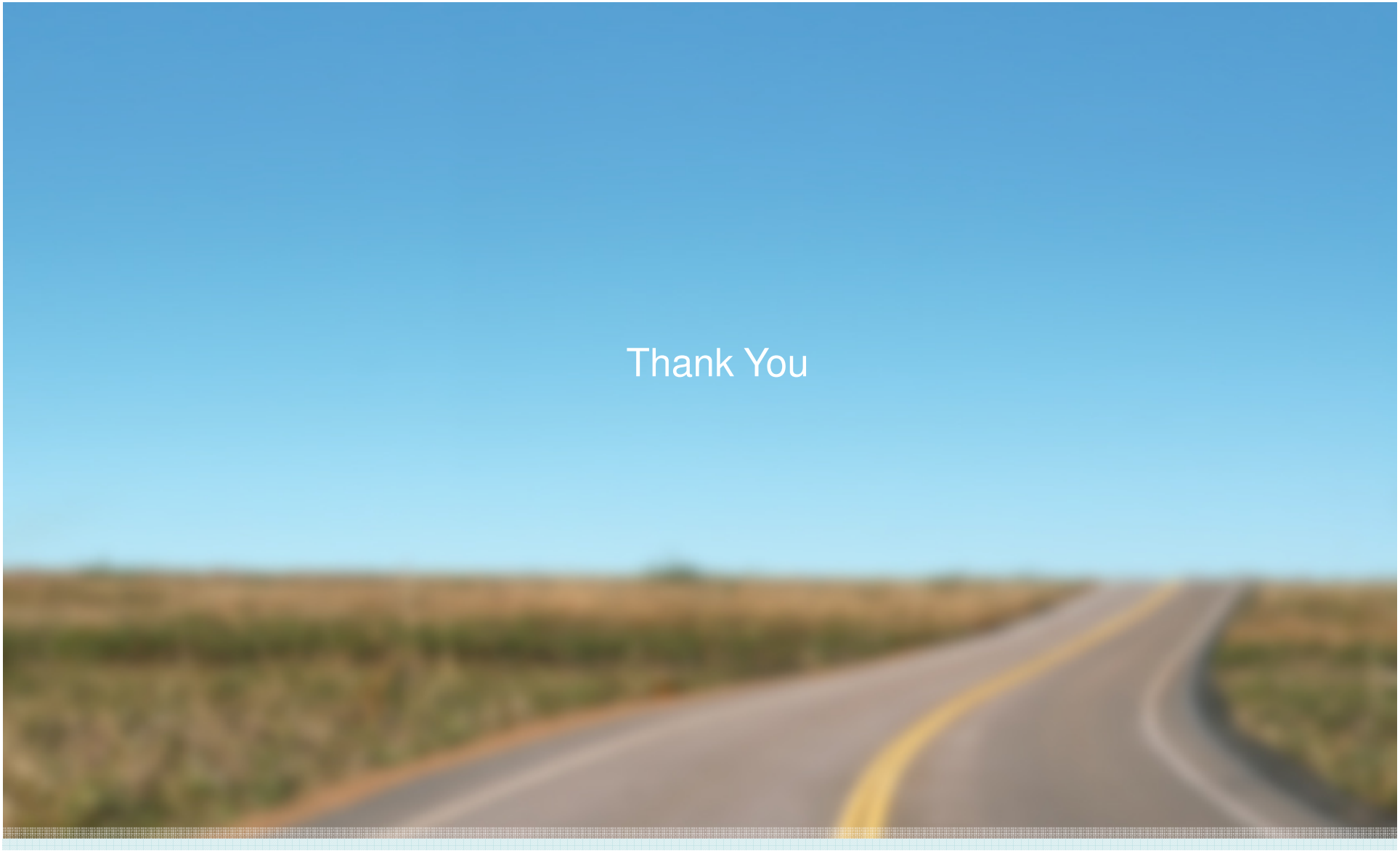
There is less than 500,000 Alcohol Interlocks currently installed in vehicles. Less than 0.00007% of all vehicles on the road.

Widespread use of Alcohol Interlocks can lead to increased traffic safety.

Cost reductions and new technologies are directly related to production volumes.

Legislative changes and regulation will drive production increases and new technological solutions thereby increasing traffic safety

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