

EVALUATION OF ONTARIO'S REDUCED SUSPENSION WITH IGNITION INTERLOCK CONDUCT REVIEW PROGRAM

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Outline

Ontario's Pre-Existing Ignition Interlock Program (2001)

- Program Details
- Installation Statistics & Effectiveness

Reduced Suspension w/Ignition Interlock Conduct Review (2010)

- Motivation/Goals
- Program Details
- Program Statistics
- Effectiveness (uptake, recidivism, etc.)

Summary & Discussion

Pre-Existing Interlock program: Details

The Criminal Code of Canada (CCC) prohibits alcohol-impaired driving:

- CCC 253: Offence to operate vehicle while impaired by alcohol or with BAC > 0.08%
- CCC 254: Offence to fail/refuse to comply with demand for test and/or sample

CCC penalties for 1st time offender upon conviction:

- Fine
- Possible imprisonment
- Driving prohibition of 1-3 years (1 year is typical)
- Criminal Record**

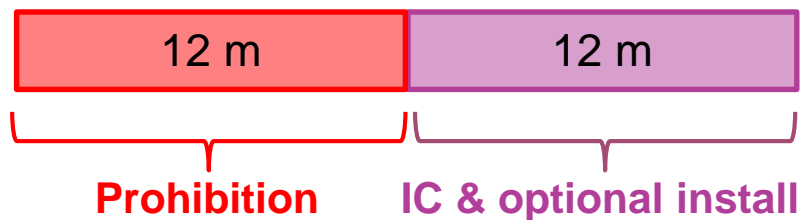
Pre-Existing Interlock program: Details

Ontario Highway Traffic Act (HTA): licence remains suspended after CCC 253/254 prohibition until

- The driver has completed remedial education/treatment (Back On Track)
- The driver has paid all fees

Post-suspension: Interlock Condition (IC) is placed on licence

- During IC, driver can drive a vehicle *with* an Ignition Interlock, or not drive
- For a first offender, IC typically lasts one year, but
 - Driver must apply for removal of IC
 - Violations (driving without device, tampering, etc.) re-start IC period



Pre-Existing Interlock program: Stats

1st offenders with an IC start between Jan 2005 and Dec 2010:

- 7,128 of 26,843 installed for at least one month (~27%)
- 4.1% of installers collide during IC (same as general pop.)
- 1.3% of non-installers collide during IC
 - *installers probably drive more*

Re-offences during interlock condition (CCC 253/254)

- installers re-offend ~**2.5** times less often than non-installers**

Re-offences after interlock condition:

- no measurable effects**

**typical in nearly all published literature

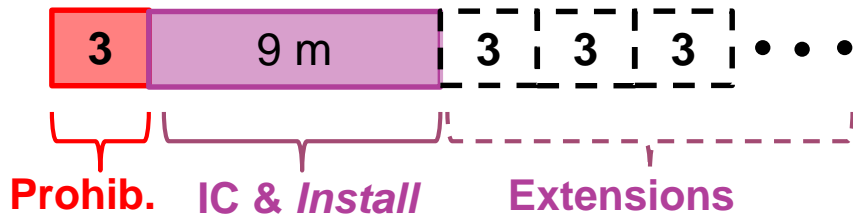
Reduced suspension w/ interlock conduct review program: Motivation

Goals & benefits of the Program:

- *Goal 1:* Increase uptake via incentive (reduced suspension)
- *Goal 2:* Create long-term behavioural/attitude changes via reward (conduct review)
- *Goal 3:* Encourage timely engagement
- *Bonus:* Reduce incidence of driving while suspended/disqualified?

Reduced suspension w/ interlock conduct review program: Details

Stream A



Eligibility Requirements:

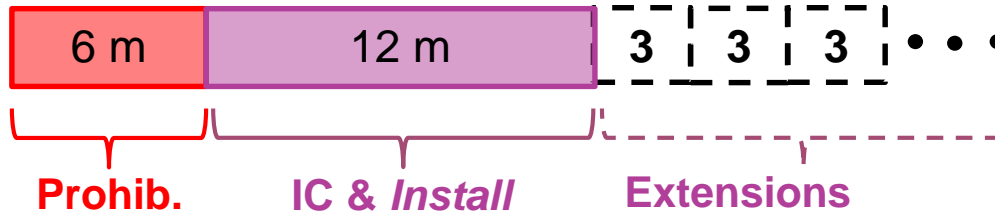
- Guilty plea, convicted and sentenced within 90 days of offence (*Goal 3: Encourage timely engagement*)
- Complete assessment component of remedial measures *and* establish proof of interlock lease agreement before end of minimum absolute prohibition period
- Install device within 30 days of IC start (*Goal 1: Increase uptake*)

Induced learning?

- Performance failure (BAC over 0.02%) in last 3 months leads to 3 month IC extension (*Goal 2: Create long-term effects*)

Reduced suspension w/ interlock conduct review program: Details

Stream B



Eligibility Requirements:

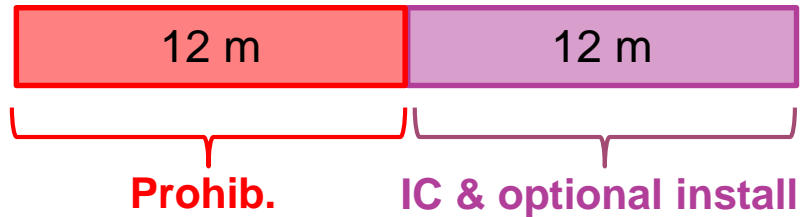
- Complete assessment component of remedial measures *and* establish proof of interlock lease agreement before end of minimum absolute prohibition period
- Install device within 30 days of IC start (*Goal 1*: increase uptake)

Induced learning

- Identical to Stream "A"

Reduced suspension w/ interlock conduct review program: Details

Stream C



No install requirement, unless driver wants to drive

Relationship with other Streams

- Driver transferred to Stream C if they commit a *violation* in Stream A/B
 - Re-suspended, but given credit for suspension time already suspended ******(no credit given for interlock time served)******
- *Violations:*
 - Failure to install interlock device within 30 days of IC start
 - driving a vehicle without installed device
 - tampering with the device
 - etc...

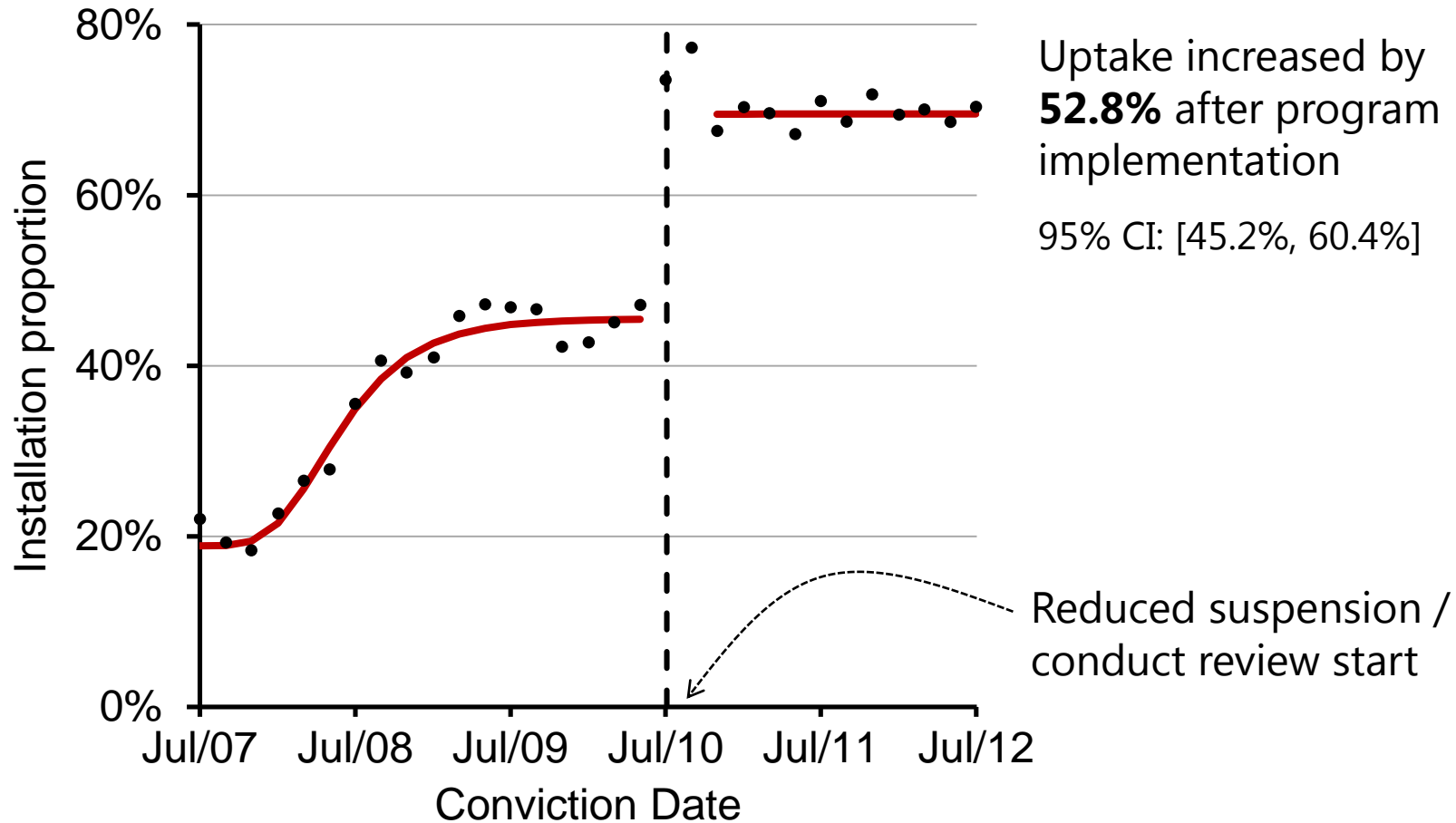
Reduced suspension w/ interlock conduct review program: Stats

For 1st time eligible offenders with IC end before Nov 2014:

- Stream A: 6,732 completed
- Stream B: 3,481 completed
- Stream C:
 - 811 installed and completed
 - 3,097 did not install, but did complete
- Stream A: 11.8% extended once, 2.4% twice
- Stream B: 8.4% extended once, 2.5% twice
- Stream C (installers): 74.0% installed 9-12 months

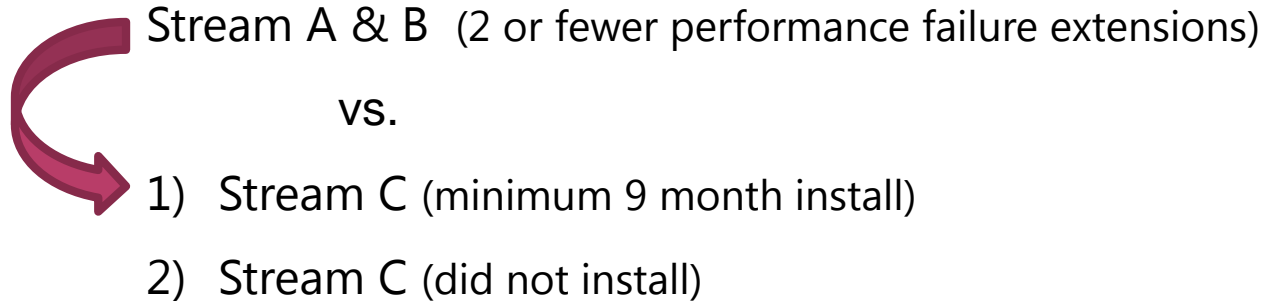
Goal 1: Increase interlock uptake

- 1st time CCC 253/254
- IC applied within 2 years of conviction



Goal 2: Create long-term change

Groups compared:



Outcomes (post-IC)

- Warn-range roadside suspensions (BAC > 0.05%)
- 90-day roadside suspensions (BAC > 0.08%)

Goal 2: Create long-term change

After propensity score matching

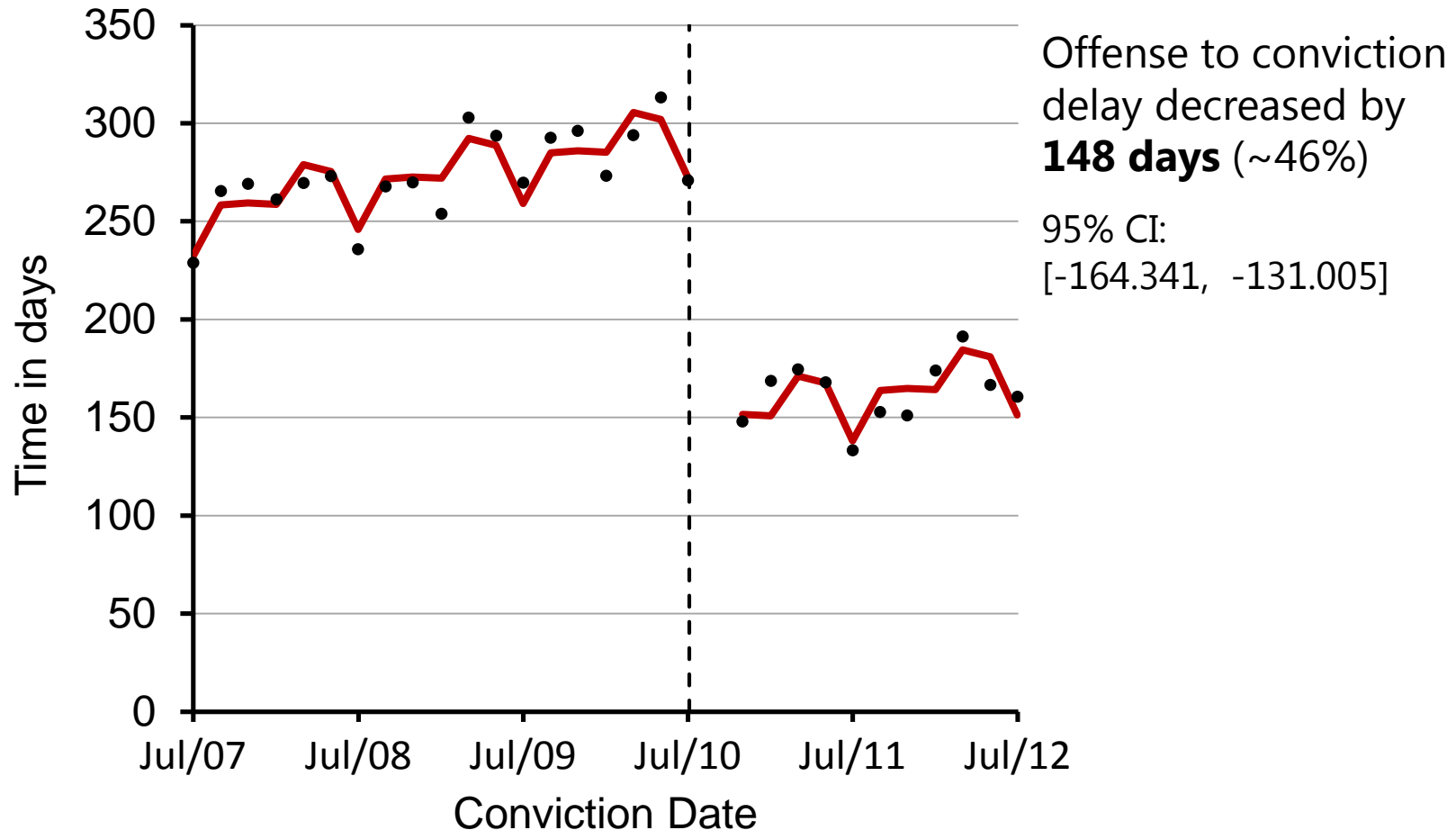
(on age, gender, offence history and *neighbourhood demographics*)

- Stream A vs. Stream C (installers) \rightarrow < 50 non-censored outcomes
- Stream A vs. Stream C (non-inst.) \rightarrow < 50 non-censored outcomes
- Stream B to C comparisons: same situation

We need more time, hopefully a lot!

Goal 3: Timely engagement

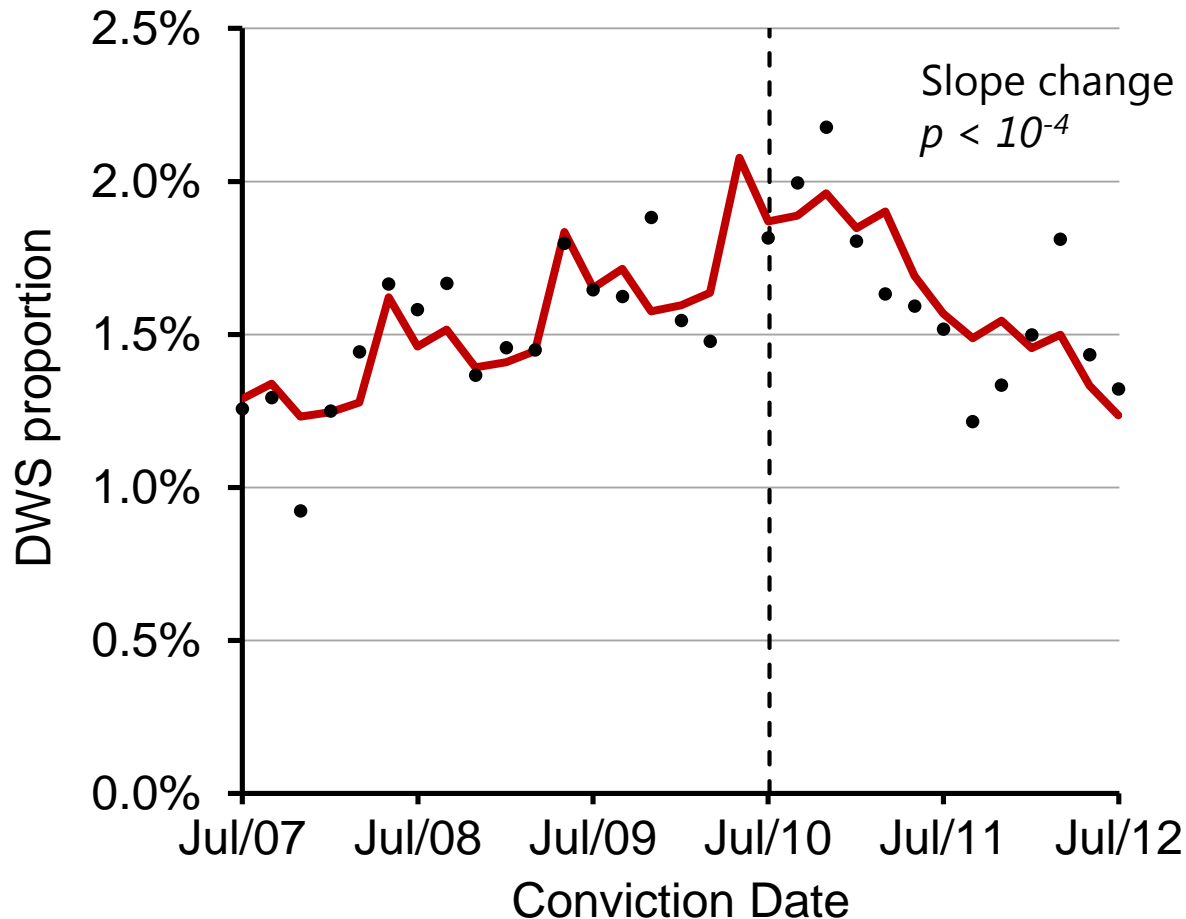
Delay between offense and conviction (1st time CCC 253/254)



Bonus: Reduce DWS

Driving while suspended (first 3 months)

- 1st time CCC 253/254
- IC within 2 years of conviction



Summary

Interlocks are effective while installed

- ✓ Reduction in recidivism of *~2.5 times*

Reduced Suspension w/Ignition Interlock Conduct Review

- ✓ Increased uptake by 53%
- ✓ Decreased offence-to-conviction delay by 46%
- ✓ Reduced tendency to drive during suspension
- Must wait for evidence of long-term effectiveness

Thoughts or Questions?