



Managing Marijuana Legalization- The 3 P's of Pot: Pitfalls, Perils and Possibilities

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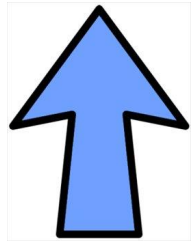
What We Do Know



- **Creating many challenges**
- **Underestimated**
- **Understanding and recognizing Cannabis impairment is critical**
- **Increased roadside detection training needed**
- **Having an impact on roadway safety**

Highway Safety Impacts of Legalization

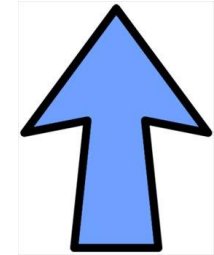
THC Involved
Fatal Crashes



86%
(2013 – 2017)



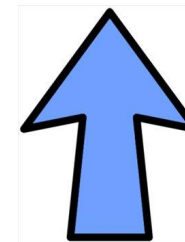
THC Positive
Drivers



Up from 8% to 23%



THC DRE Cases



50% Cannabis (2015)

Marijuana's Psychomotor Effects and Effects On Driving?



Impairment may look different



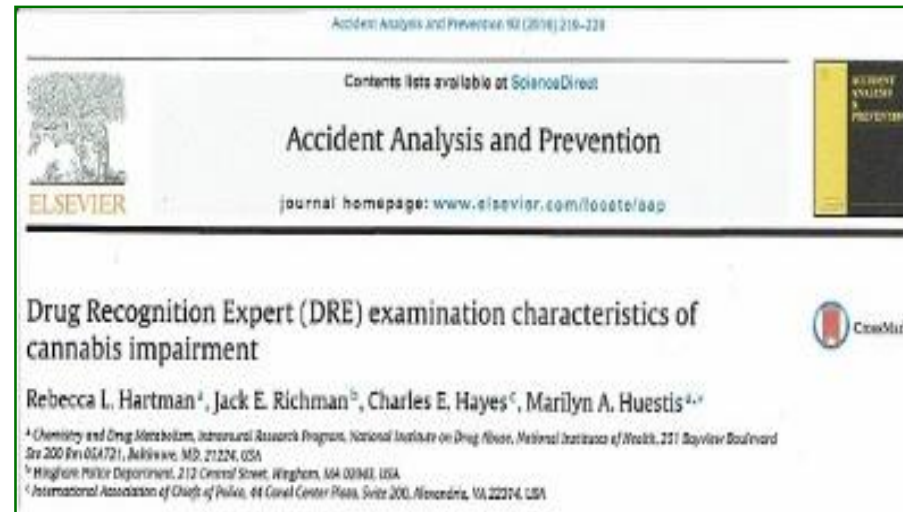
Safer Driver Myth

“I drive better when I’m stoned. I’m slower and that’s safer. Dude.”



“Drug Recognition Expert (DRE) Examination Characteristics of Cannabis Impairment”

*Hartman, Richman, Hayes, and Huestis,
Accident Analysis and Prevention, April 2016*



**“302 DRE Cannabis
Case Study”**



The Research Study Group



302 DRE

Cannabis Cases:

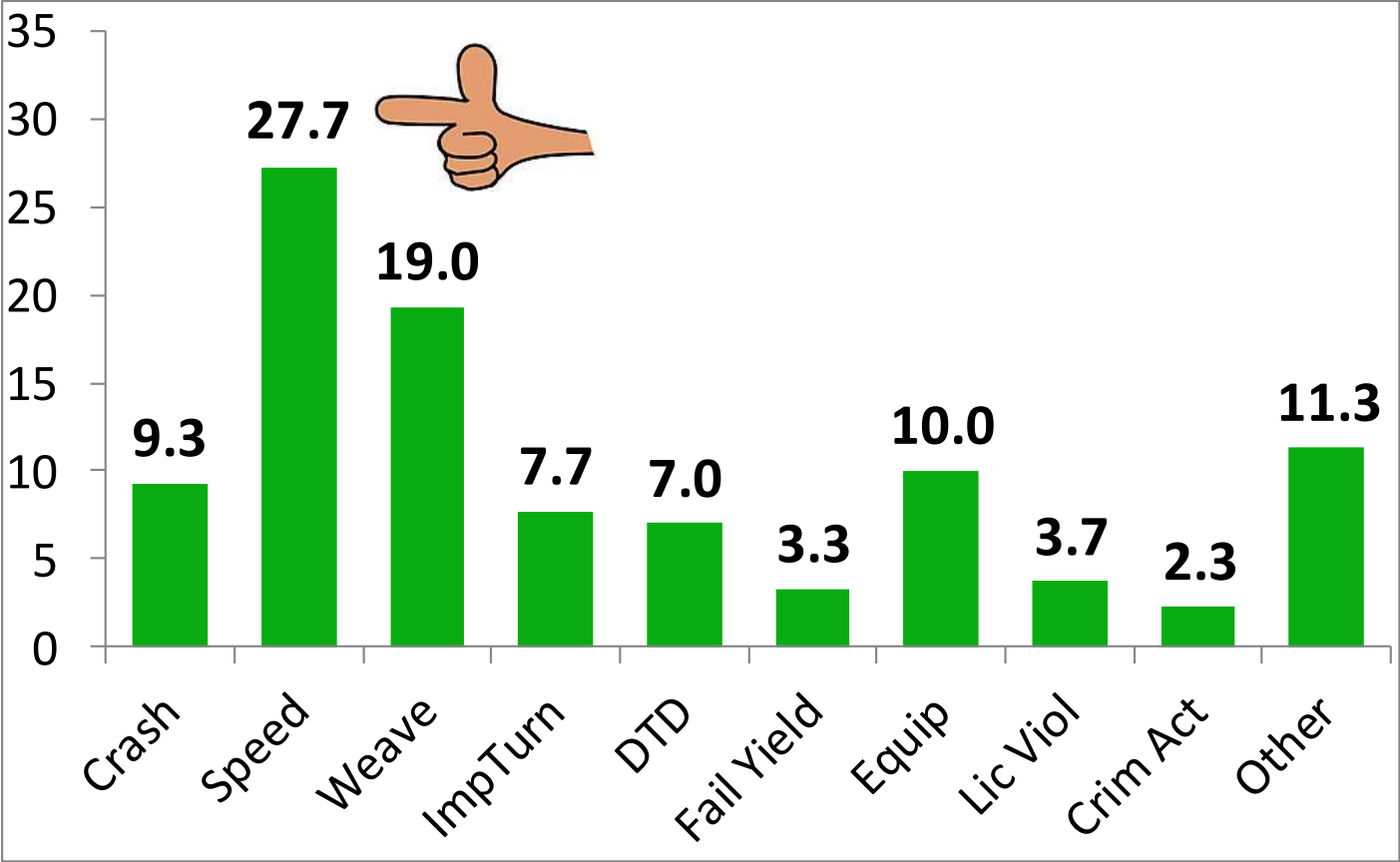
114 - below 5 ng/mL THC

188 - 5 ng/mL or above



302 Non-impaired
Control Cases

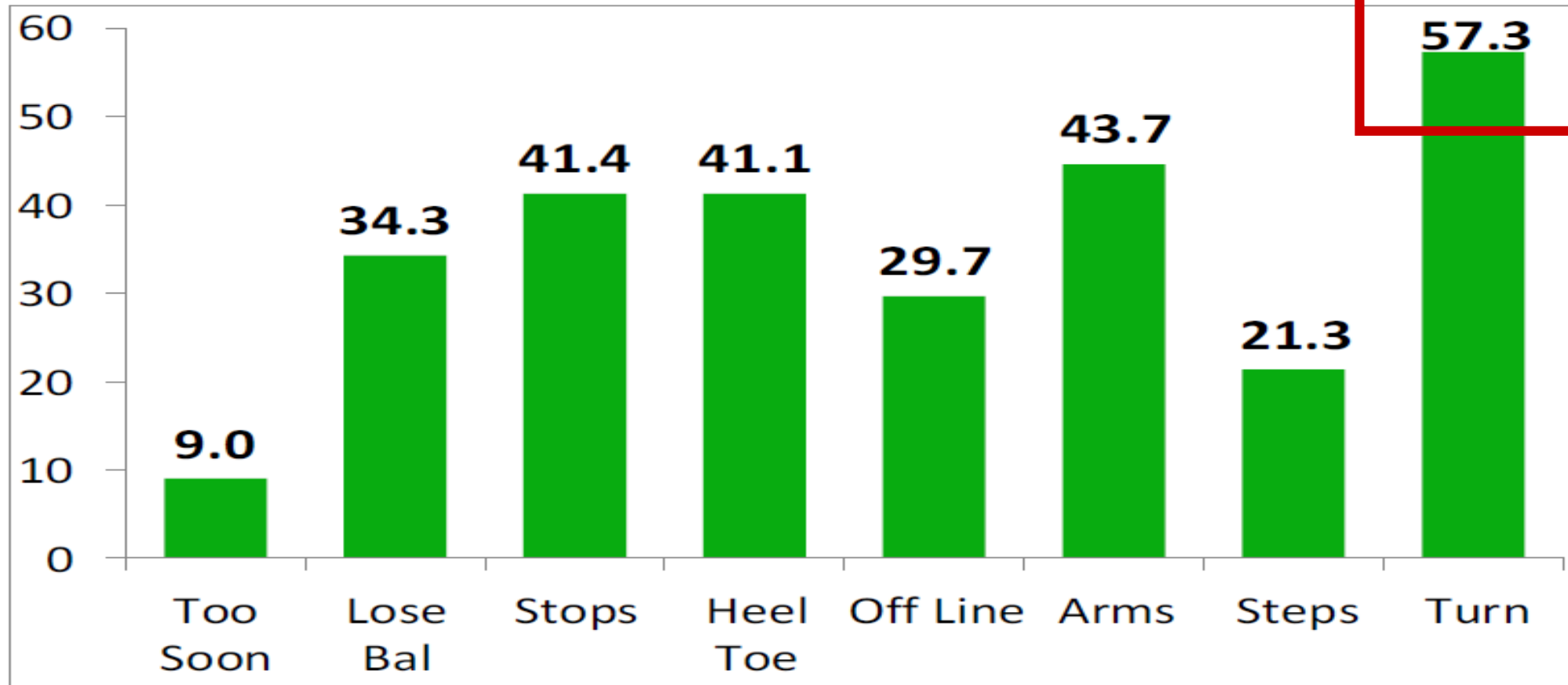
Reason for the Traffic Stop Results



72% of the cases involved one or more moving violation

Walk and Turn Test Clues

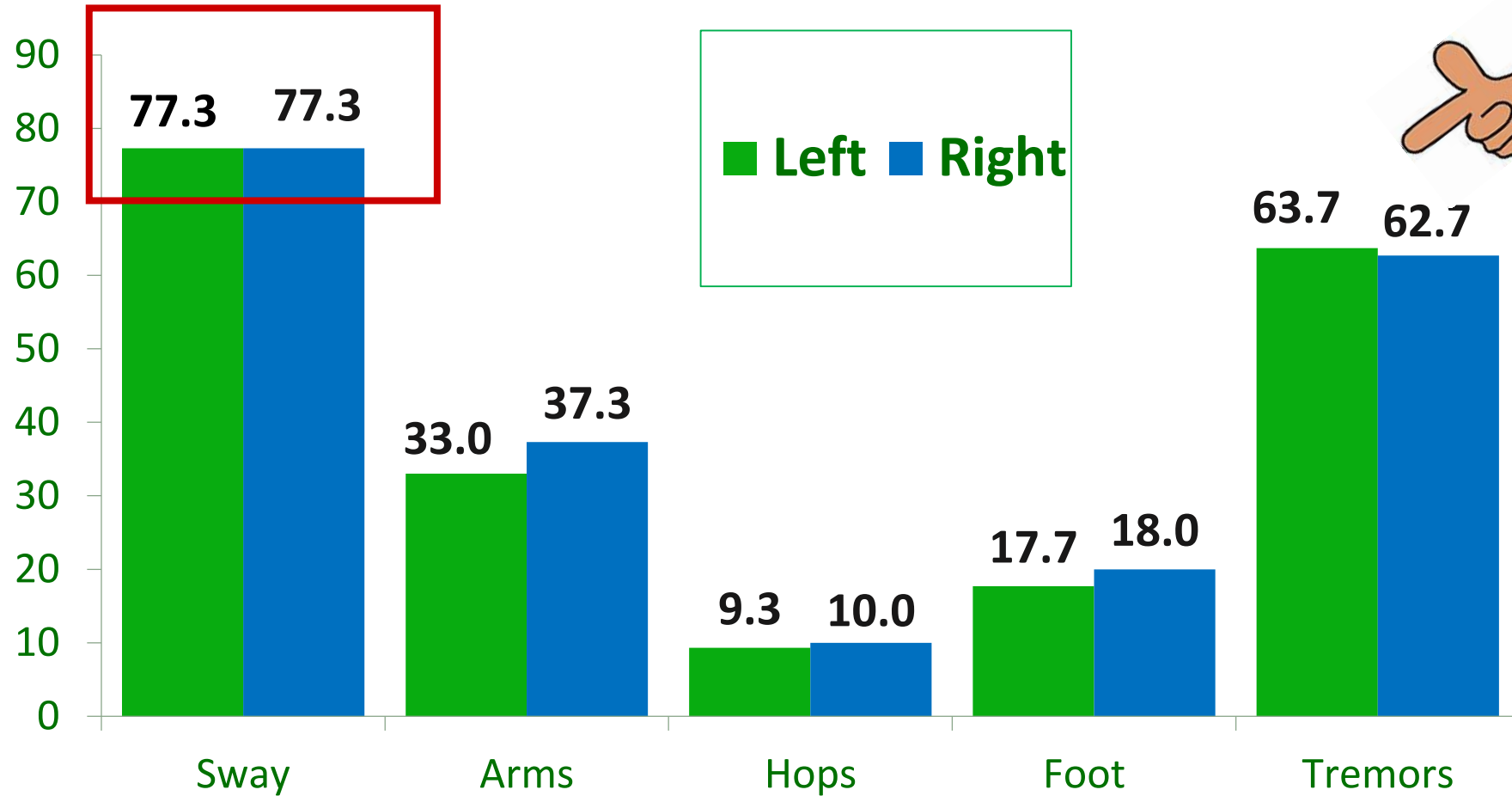
Percent



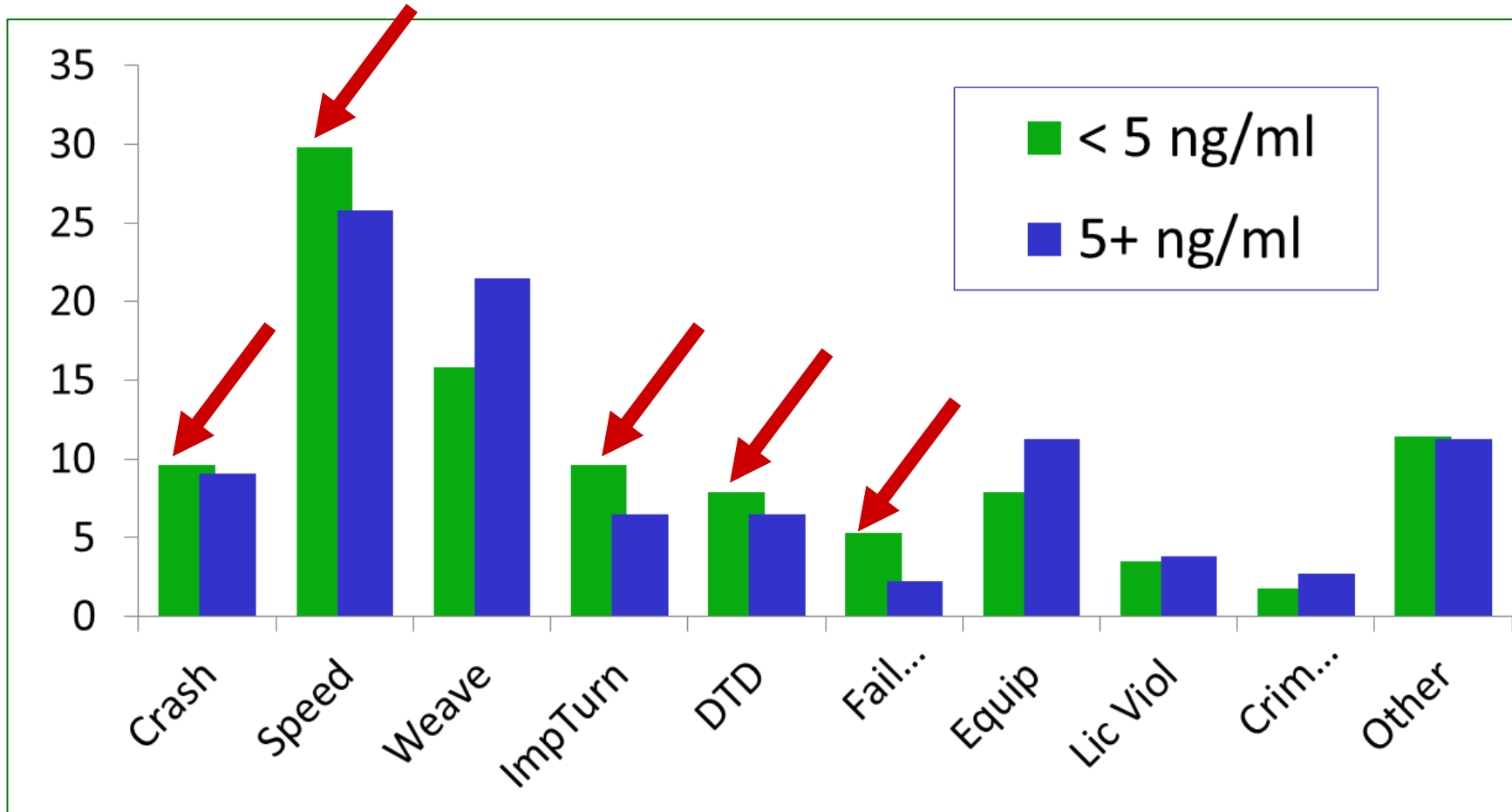
Average: 3 clues (Out of 8)

Control Cases: Average - 0 Clues

One Leg Stand Clues/Observations



Below/Above 5 ng/mL THC – Traffic Stop



Five reasons occurred more frequently in below 5 ng/mL cases

302 DRE Cannabis Case Study Conclusions

- ✓ Observed impairment indicators support SFST, ARIDE & DRE
- ✓ No significant differences of impairment indicators in <5 and >5 ng/mL THC blood level cases
- ✓ THC per se – may not be that effective on it's own
- ✓ Need to focus on “impairment” and not a number



“Booze” vs “Bud” Challenge



Current research does not support equating 0.08 alcohol to a THC impairment level

“There’s no BAC for THC!”

Thank you!

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