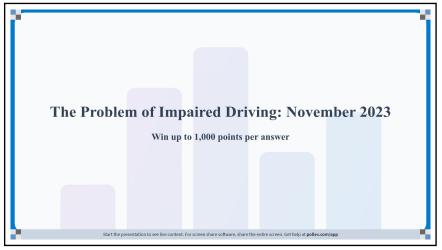
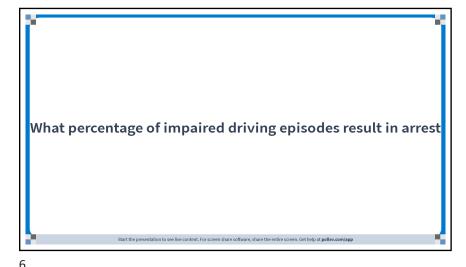


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What percentage of impaired driving episodes result in arrest

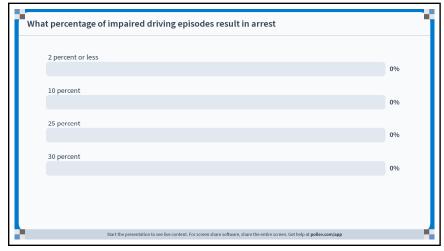
2 percent or less

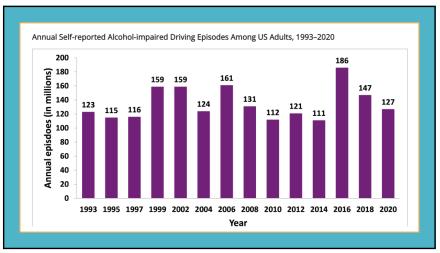
10 percent

25 percent

30 percent

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Rank Player Score

Web_9d43c 6000 pts

Web_f45f4 6000 pts

Web_124e1 4000 pts

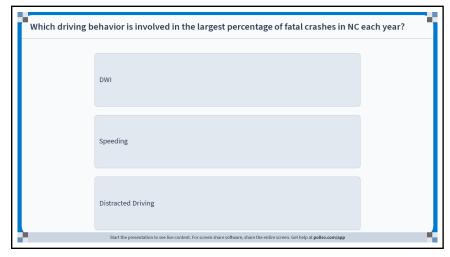
Web_5fca1 4000 pts

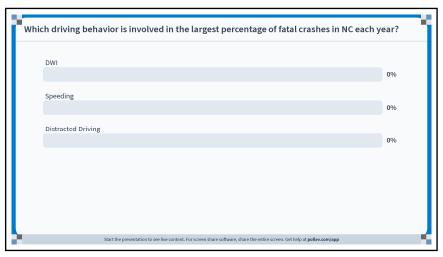
10

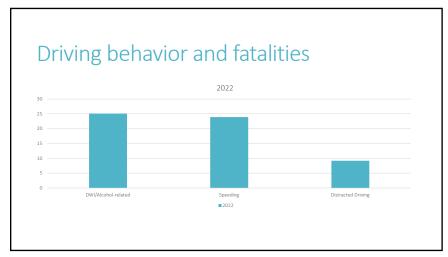
9

Which driving behavior is involved in the largest percentage of fatal crashes in NC each year?

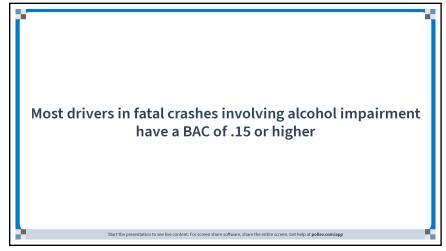
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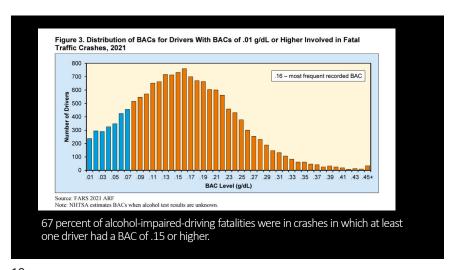
Most drivers in fatal crashes involving alcohol impairment have a BAC of .15 or higher

True

0%

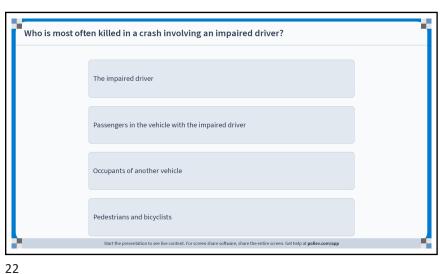
False

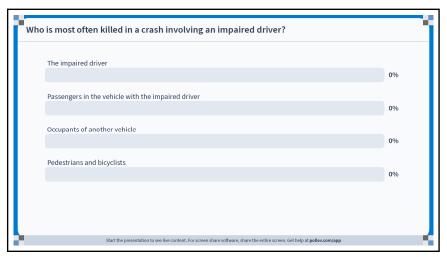
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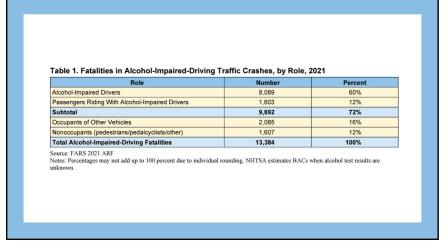














Most alcohol-impaired drivers involved in fatal crashes have a prior conviction for DWI in the past 5 years

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25 26

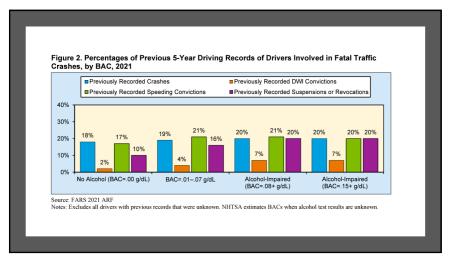
Most alcohol-impaired drivers involved in fatal crashes have a prior conviction for DWI in the past 5 years

True

False

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29 30

25 percent of all drivers arrested for impaired driving have prior DWI convictions

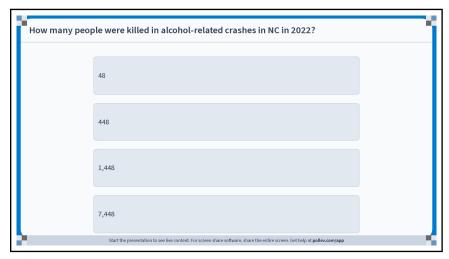
"Any alcoholimpaired driving
violation, not just
convictions, is a
marker for future
recidivisim."

Rauch, et al., Risk of Alcohol-Impaired Driving
Recidivism Among First Offenders and Multiple
Offenders, Vol. 100 No. 5 American Journal of
Public Health: Research and Practice (May
2010) (finding that annual rate of subsequent
violation was 7 times higher among drivers with
a prior violation)

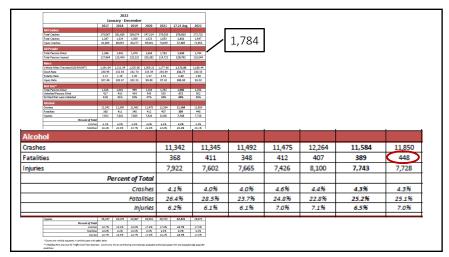
31 32

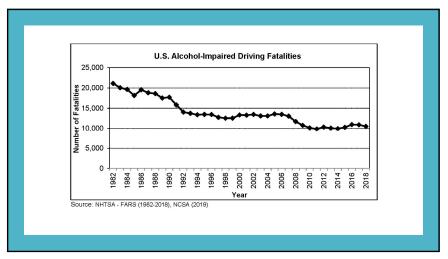
How many people were killed in alcohol-related crashes in NC in 2022?

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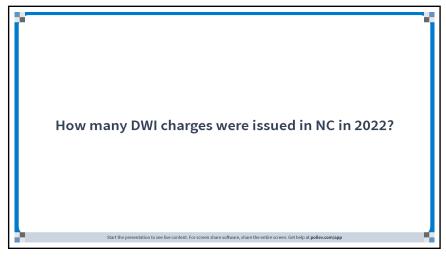


48	0%
	0,0
448	
	0%
1,448	
	0%
7,448	0%





| Leaderboard |
Rank	Player	Score
Web_9d43c	6000 pts	
Web_f45f4	6000 pts	
Web_124e1	4000 pts	
Web_5fca1	4000 pts	
Start the presentation to see like content. For screen share software, share the entire screen. Get help at pollev.com/app		





How many DWI charges were issued in NC in 2022?

7,545

0%

17,545

0%

37,545

0%

57,545

0%

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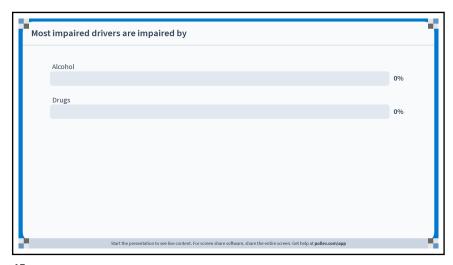


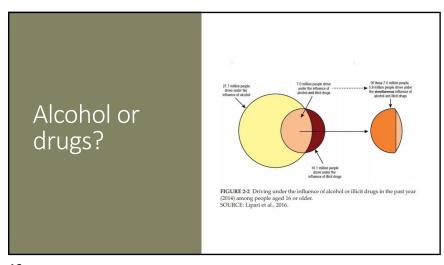
41 42

Most impaired drivers are impaired by

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What is the average age of a person convicted of DWI in North Carolina?

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49 50

What is the average age of a person convicted of DWI in North Carolina?

23

0%

27

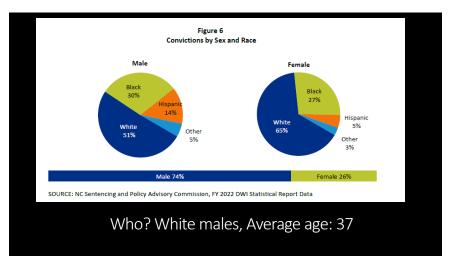
0%

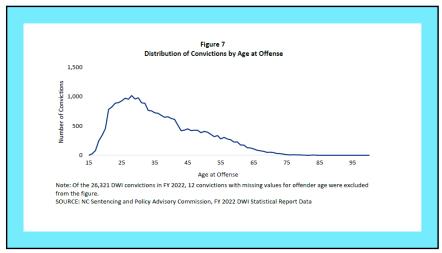
37

0%

47

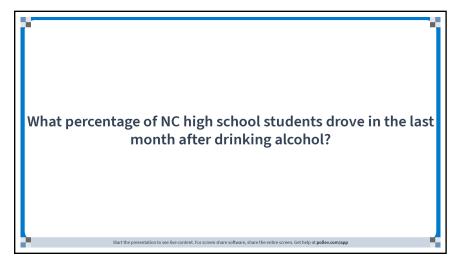
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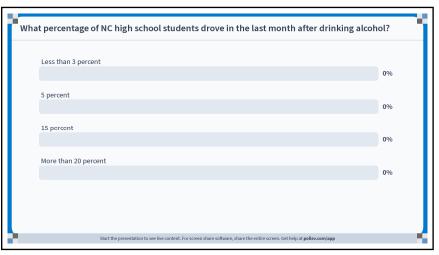
What about teenagers?



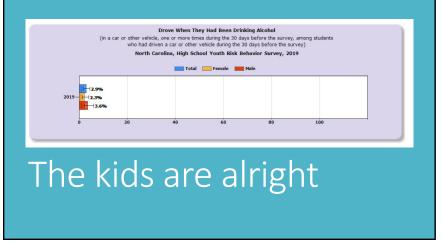
55

1/

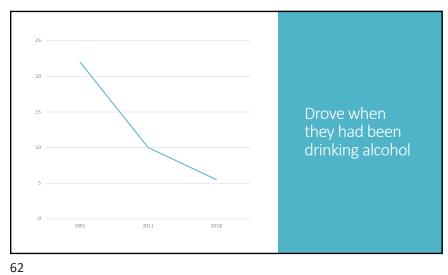
What percentag	ge of NC high school students drove in the last month after drinking alcohol?
	Less than 3 percent
	5 percent
	15 percent
	More than 20 percent
	Start the presentation to see live content. For screen share software, share the entire screen. Get help at pollev.com/app













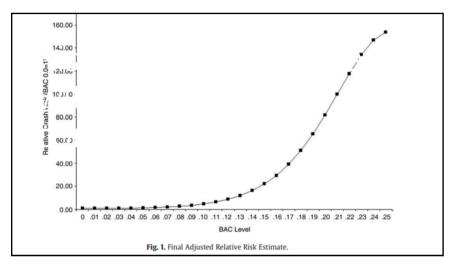




Impaired driving is dangerous.

"Driving requires several complex skills, and alcohol affects the capacity to drive safely by impairing information processing and reaction time and compromising judgment and coordination."

National Academies of Sciences, Engineering, and Medicine 2018. *Getting to Zero Alcohol-Impaired Driving Fatalities: A Comprehensive Approach to a Persistent Problem.*



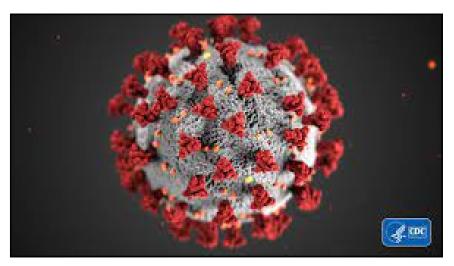
65

Alcohol-impaired driving is a leading cause of motor vehicle fatalities.

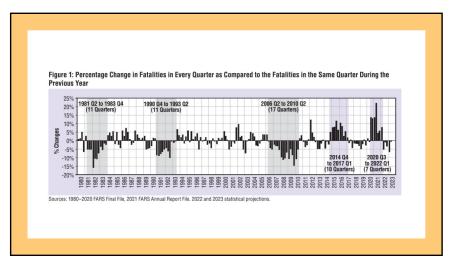
The majority of drivers in fatal crashes have BAC levels far higher than 0.08.

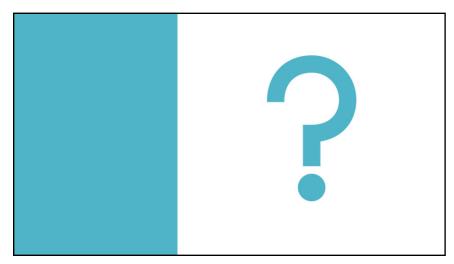
The percent of alcohol-impaired-driving fatalities has declined from 48 percent in 1982 to 28 percent in 2019.

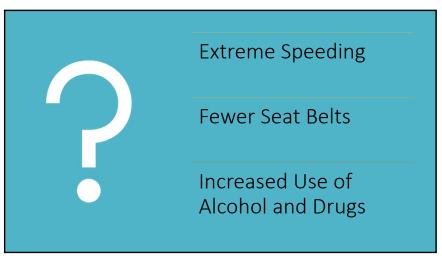
This 28 percent of overall fatalities is the lowest percentage since 1982, when NHTSA started reporting alcohol data



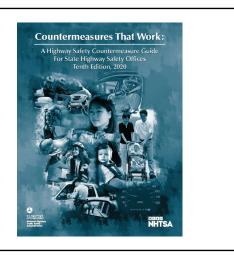








Solutions



73

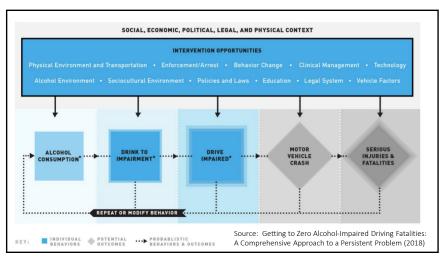
1. Deterrence: Laws Countermeasure Effectiveness Cost Use Time 1.1 Administrative License Revocation or Suspension (ALR/ALS) **** \$\$\$ High Medium 1.2 Open Container *** High Short 1.3 High-BAC Sanctions *** Medium Short *** 1.4 BAC Test Refusal Penalties Unknown Short 1.5 Alcohol-Impaired Driving Law Review 公公 Unknown Medium

2. Deterrence: Enforcement Countermeasure Effectiveness Cost Use Time 2.1 Publicized Sobriety Checkpoints **** Medium Short \$\$\$ 2.2 High-Visibility Saturation Patrols **** \$\$ High 2.3 Preliminary Breath Test Devicest **** \$\$ High 2.4 Passive Alcohol Sensorstt **** \$\$ Unknown Short *** 2.5 Integrated Enforcement Unknown Short + Proven for increasing arrests
++ Proven for detecting impaired drivers

75 76

3. Deterrence: Prosecution and Adjudica				
Countermeasure	Effectiveness	Cost	Use	Time
3.1 DWI Courts [†]	* * *	SSS	Low	Medium
3.2 Limits on Diversion & Plea Agreements ^{††}	****	\$	Medium	Short
3.3 Court Monitoring ^{††}	***	\$	Low	Short
			Varies	Varies
3.4 Sanctions Proven for reducing recidivism H Proven for increasing conviction 4. Deterrence: DWI Offender Treatment	☆☆ t, Monitoring, and	Varies Control	varies	varies
†Proven for reducing recidivism †Proven for increasing conviction 4. Deterrence: DWI Offender Treatment	t, Monitoring, and	Control		
+Proven for reducing recidivism → Proven for increasing conviction	1 222 2	7	Use High	Time Varies
†Proven for reducing recidivism †Proven for increasing conviction 4. Deterrence: DWI Offender Treatment Countermeasure 4.1 Alcohol Problem Assessment and	t, Monitoring, and	Control	Use	Time
Proven for reducing recidivism H Proven for increasing conviction 4. Deterrence: DWI Offender Treatment Countermeasure 4.1 Alcohol Problem Assessment and Treatment	Effectiveness	Control Cost Varies	Use High	Time Varies
Proven for reducing recidivism H Proven for increasing conviction 4. Deterrence: DWI Offender Treatment Countermeasure 4.1 Alcohol Problem Assessment and Treatment 4.2 Alcohol Ignition Interlocks [†]	Effectiveness *****	Control Cost Varies \$\$	Use High Medium	Time Varies Medium

Countermeasure	Effectiveness	Cost	Use	Time
5.1 Alcohol Screening and Brief intervention	****	\$\$	Medium	Short
5.2 Mass-Media Campaigns	***	\$\$\$	High	Medium
5.3 Responsible Beverage Service	☆☆	\$\$	Medium	Medium
5.4 Alternative Transportation	***	\$\$	Unknown	Short
5.5 Designated Drivers	公公	\$	Medium	Short

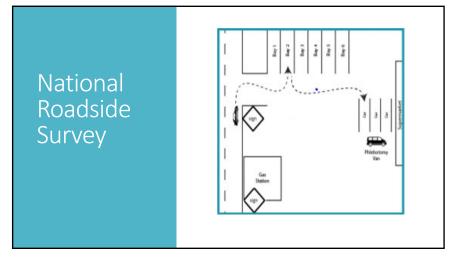


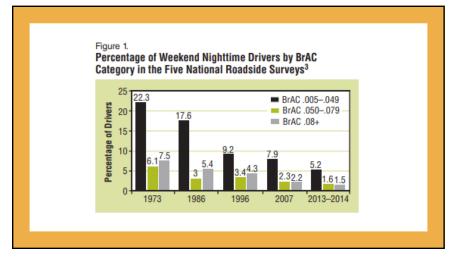
If an impaired driver is stopped, how likely are they to be detected?



Woman sentenced to 10-20 years in prison in fatal huffing-related crash re JANUARY 23, 2015 09:28 PM UPDATED JANUARY 25, 2015 01:25 PM 000 A Bellefonte woman convicted of murder for killing a man in a car crash after huffing duster and driving was sentenced to 10 to 20 years in state prison before President Judge Thomas King Kistler on Friday. ile stoned Danielle Packer, 23, was found guilty of third-degree murder, aggravated assault, homicide by vehicle, driving under the influence, several traffic violations and other charges in a jury trial before Judge Bradley P. Lunsford in October. The charges stemmed from an Aug. 6, 2012, incident in which Packer and her fiance purchased "Dust-Off," an aerosol product designed to blow dust off of electronics, for the purpose of getting high. The pair told police that they huffed the product in the Benner Pike Wal-Mart parking lot, and Packer told troopers in an interview that she also had inhaled duster two more times while stopped at the red light by the Shiloh Road Sheetz, according to too drunk to drive, it's not possible on testing at 5 nanograms per rment by Colorado, Montana and milliliter of blood of THC - the level used to find impai

81 82





83

Table 2 Overall Drug Prevalence by Data Collection Period and Type of Test in the 2013–2014 NRS

Time of Day		% Drug-Positive Blood Test	% Drug-Positive Oral Fluid and/or Blood Test
Weekday Daytime	19.0%	21.6%	22.4%
Weekend Nighttime	19.8%	21.2%	22.5%



85



 ${\it Table~ES-6.~Comparing~2007~to~2013-2014~NRS:~Night time~Drug~Prevalence~in~Oral~Fluid~or}$ Blood by Drug Class (Percentage by Column)

	2007 NRS		2013–2014 NRS (Comparable)		
Drug Class	N	%	N	%	
THC-positive	499	8.7	666	12.7*	
THC-positive only	379	6.8	528	10.3*	
THC-positive plus any other drug	120	1.8	138	2.3*	
Stimulants-only	190	3.2	159	2.1	
Narcotic Analgesics-only	104	1.6	125	2.2	
Sedatives-only	56	0.8	31	0.8	
Antidepressants-only	55	0.7	66	1.0	
Other-only	14	0.3	4	0.2	
More than one class	58	1.0	67	1.3	
Total drug-negative	4,934	83.7	4,789	79.9*	
Total drug-positive	976	16.3	1,118	20.1*	

87 88

N's are unweighted; percentages are weighted.
THC-positive includes results from THC and hydroxy-THC.
"More than one class" excludes drivers who tested positive for THC.
"Statistically different from 2007 NRS (based on 95% Confidence Intervals).

How
Marijuana
Use May
Affect
Driving

Slow reaction time (may affect events like emergency braking)

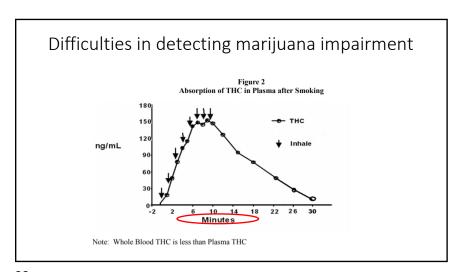
Difficulty with road tracking and lane positioning

Impaired cognitive performance

Impaired executive functions (route planning, decision making and risk taking)

Reduced speeds, increased following distance, fewer risks taken

• Contrast with alcohol: higher speeds, closer following, greater risk-taking

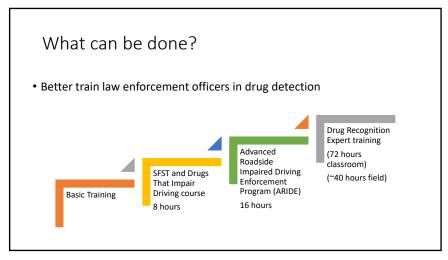


89 90

"The lack of an 'impairment standard' equivalent to BAC level does not prevent the successful prosecution of a marijuana-impaired driver. The lack of toxicological evidence simply means that the officer has to offer other evidence that the driver was under the influence of marijuana and too impaired to drive safely."

NHTSA, Marijuana-Impaired Driving: A Report to Congress (July 2017)





N.C. Evid. R. 702(a1) Notwithstanding any other provision of law, a witness may give expert testimony solely on the issue of impairment and not on the issue of specific alcohol concentration level relating to the following:

- (1) The results of a Horizontal Gaze Nystagmus (HGN) Test when the test is administered in accordance with the person's training by a person who has successfully completed training in HGN.
- (2) Whether a person was under the influence of one or more impairing substances, and the category of such impairing substance or substances, if the witness holds a current certification as a Drug Recognition Expert, issued by the State Department of Health and Human Services.

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SIGNS AND SYMPTOMS PREDICTIVE OF DRUG IMPAIRMENT

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^{1,2}Industrial Engineering and Management, Ben Gurion university of the Negev, Israel ³National Highway Traffic Safety Administration, U.S. Department of Transportation,

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Keywords: Drugs and driving, drug impairment, Marijuana, Depressant, Stimulant, Narcotic.

Abstract

A double blind study was performed to evaluate the ability of police officers to detect drug impairments and to identify the type of drug responsible for the impairment, on the basis of observed symptoms and psychophysical measurements of performance. The officers were not allowed to interview the subjects. Results showed that even with this partial information the officers are able to detect drug impairment a better-than-chance levels, but the association between drug ingestion and identification of the specific impairing drug was not very high. Drug identification was best for alprazolam impairment, noticeably poorer for cannabis and codeine impairment, and no better than chance for amphetamine impairment. To improve identification, the officers should always list the two most probable impairing drugs (rather than one), and be more consistent in their use of observed signs and symptoms.

"Drug identification was best for alprazolam impairment, noticeably poorer for cannabis and codeine impairment, and no better than chance for amphetamine impairment."

95

2/

Drug Recognition Expert (DRE) examination characteristics of cannabis impairment



Rebecca L. Hartman^a, Jack E. Richman^b, Charles E. Hayes^c, Marilyn A. Huestis^{a,*}

*Chemistry and Dong Metholism, Informment Research Program, National Institute on Drug Abuse, National Institutes of Health, 251 Reyslew Busilevard See 2000 the 65427, Histories AM, 201245. URA MA (2004), USA: *Illingham Police Propertiesse, 127 Central Street, Hingham, MA (2004), USA: *Illingham Police Propertiesse, 127 Central Street, Hingham, MA (2004), USA: *Illingham Police Propertiesse, 127 Central Street, Hingham, MA (2004), USA: *Illingham Police Propertiesse, 127 Central Street, Hingham, MA (2004), USA: *Illingham Police Propertiesse, 127 Central Street, Hingham, MA (2004), USA: *Illingham Police Propertiesse, 127 Central Street, Hingham, Ma (2004), USA: *Illingham Police Propertiesse, 127 Central Street, Hingham, Ma (2004), USA: *Illingham Police Propertiesse, 127 Central Street, Hingham, MA (2004), USA: *Illingham Police Propertiesse, 127 Central Street, Hingham, Ma (2004), USA: *Illingham Police Propertiesse, 127 Central Street, Hingham, Ma (2004), USA: *Illingham Police Propertiesse, 127 Central Street, Hingham, Ma (2004), USA: *Illingham Police Propertiesse, 127 Central Street, Hingham, Ma (2004), USA: *Illingham Police Propertiesse, 127 Central Street, Hingham, Ma (2004), USA: *Illingham Police Propertiesse, 127 Central Street, Hingham, Ma (2004), USA: *Illingham Police Propertiesse, 127 Central Street, Hingham, Ma (2004), USA: *Illingham Police Propertiesse, 127 Central Street, Hingham, Ma (2004), USA: *Illingham Police Propertiesse, 127 Central Street, Hingham, Ma (2004), USA: *Illingham Police Propertiesse, 127 Central Street, Hingham, Ma (2004), USA: *Illingham Police Propertiesse, 127 Central Street, Hingham, Ma (2004), USA: *Illingham Police Propertiesse, 127 Central Street, 127 Central Street

ARTICLE INFO

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Keywords: Drug Recognition Expert Drug Evaluation and Classification Program Cannabis Driving Impairment THC

ABSTRACT

A B S T R A C T

Background: The Drug Evaluation and Classification Program (DECP) is commonly utilized in driving under the influence (DUI) cases to help determine category(iv) of impairing drough present in drivens. Cannalsis, one of the categories, is associated with approximately doubled can his. Our objective was to determine the most reliable DECP metrics for identifying cannabis-driving impairment.

Methods. We evaluated 302 tracesting-lay confirmed [bode] - Artertalphron-annihor [HK] = J µgL) the detail (202 non-impaired individuals). Physiological measures, pupil size(light reaction, and performance on psychophysicalses (one legs and [OS]). Swink and run [PML], flager to none [FPM], Modrifle followers: [Ballager (BHB)] were included.

Ballager (BHB)] were included.

Georgical and the control of t

Published by Elsevier Ltd.

Combined observations on psychophysical and eye exams produce the best cannabisimpairment indicators.

