INTERNATIONAL SYMPOSIUM ON DRUG-IMPAIRED DRIVING



Darrin T. Grondel
Director
Washington Traffic Safety Commission
October 23, 2017
Lisbon Congress Centre
Lisbon, Portugal



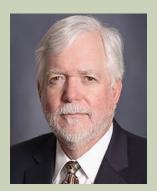




Washington Traffic Safety Commission



Governor Jay Inslee Commission Chair



Roger Millar Department of Transportation



Chief John Batiste Washington State Patrol



Pat Kohler Department of Licensing



John Wiesman Department of Health



George A. Steele Judicial Representative



Chris Reykdal Superintendent of Public Instruction



Bill Moss
Department of Social
and Health Services



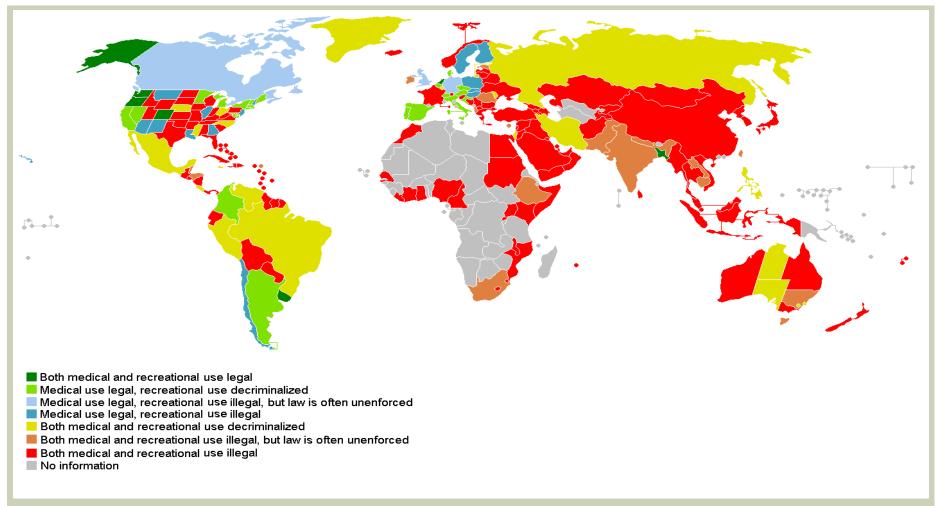
Jim Johnson
Washington State
Association of Counties



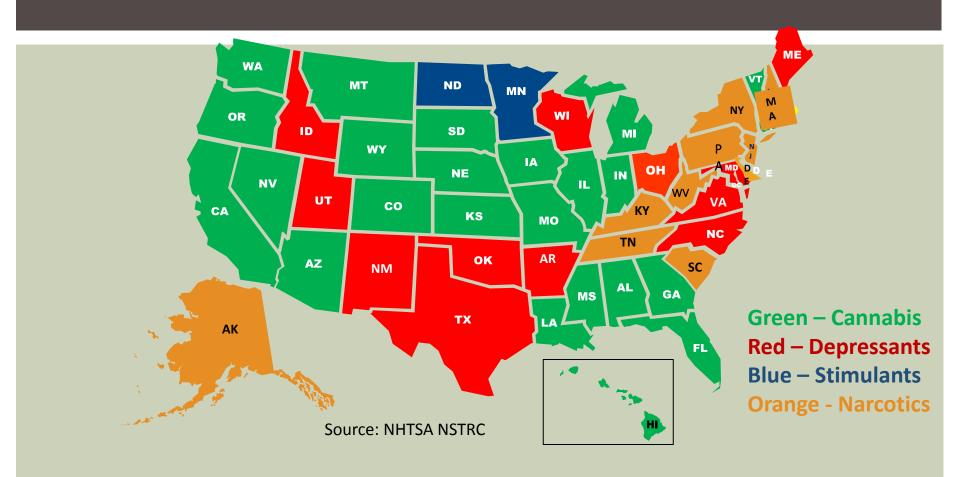
Rosemary Brinson Siipola Association of Washington Cities



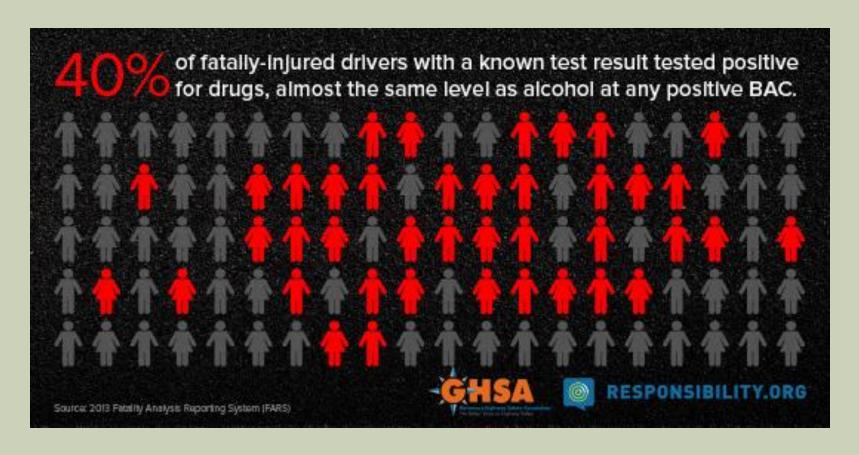
GLOBAL PERSPECTIVE



TOP DETECTED DRUG CATEGORY BY STATE 2014-2015



National Drug Driving Data



Collaboration and Research are Essential



NHTSA National roadside survey: ~1-4 drivers tested positive for drugs 22.4% daytime weekday drivers and 22.5% weekend night time drivers (20% increase from 2007).

Percentage of drivers with marijuana in their system increased 50% (8.6% in 2007 to 12.6% in 2013-14).

May 29, 2017, ~2:00 a.m. asleep behind the wheel



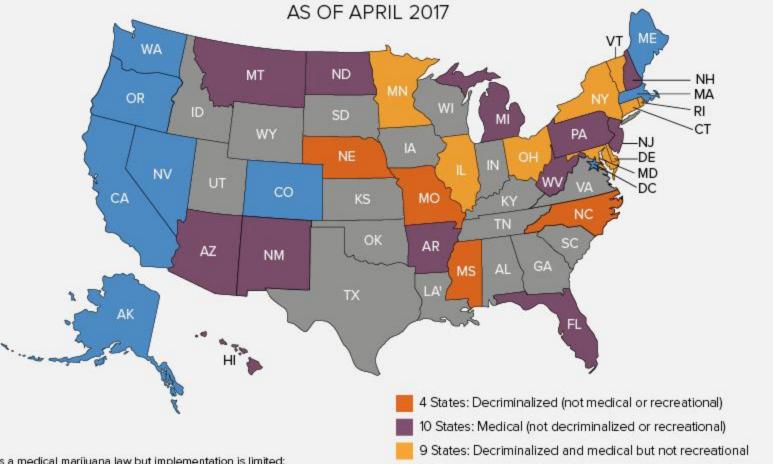
Toxicological Report <u>Urine Drug Analysis</u>

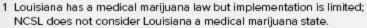
Hydrocodone
Hydromorphone (Vicodin)
Alprazolam (Xanax)
Zolpidem (Ambien)
Delta-9-Carboxy THC

TIGER WOODS

STATE BY STATE:

Marijuana Possession and Use Laws







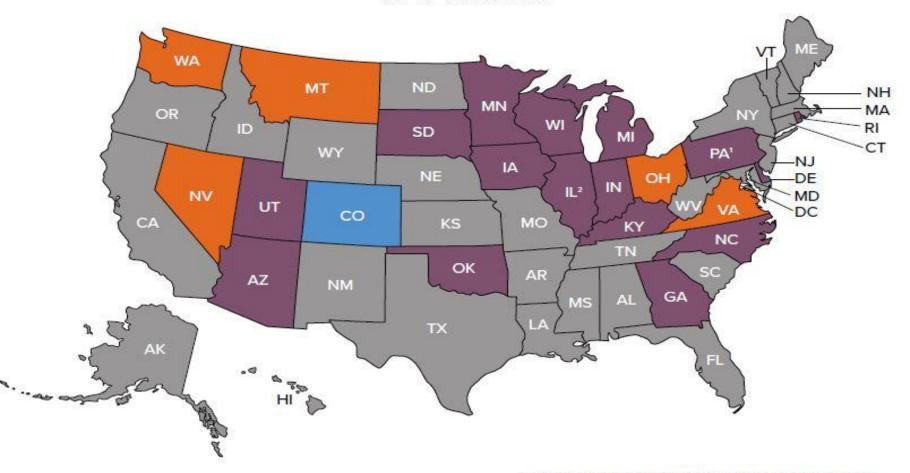


9 States + DC: Everything—recreational, decriminalized, and medical

STATE BY STATE:

DUID ZT or Per se for Some Drugs

AS OF APRIL 2017



- 1 Pennsylvania has both a zero tolerance law for some drugs and a 1 ng per se law for THC. Pennsylvania's 1 ng per se law is in effect a zero tolerance law*.
- 2 Illinois has both a zero tolerance law for some drugs and a 5 ng per se law for THC.

Click on a color to highlight the states in that category

- Per se limit greater than zero for some drugs
- Zero tolerance for some drugs
- Reasonable inference law with a limit greater than zero for THC

STATE BY STATE:

Marijuana Drug-Impaired Driving Laws

AS OF APRIL 2017 WA ND MT NH MN MA OR WI ID RI CT WY PA^2 NJ IA NE -DE NV MD DC co CA KS MO NC SC NM AL MS LA TX

- 1 South Dakota is a zero tolerance state only for drivers under the age of 21.
- 2 Pennsylvania is often classified as both a zero tolerance and per se state. A minimum threshold of 1 ng is needed for a chemical test to be admitted into evidence for prosecution purposes.

Click on a color to highlight the states in that category

- Zero tolerance for THC and metabolites
- Zero tolerance for THC only
- THC per se
- Reasonable inference THC Law
 - No zero tolerance or per se laws for marijuana

SIGNS AND SYMPTOMS OF MARIJUANA

- Relaxation
- Euphoria
- Relaxed Inhibitions
- Disorientation
- Altered time & distance perception
- Lack of Concentration
- Impaired Memory & comprehension
- Jumbled thought formation
- Drowsiness

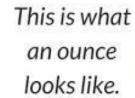
- Mood changes, including panic and paranoia with high dose
- Heightened senses
- Body tremors (Major muscle groups: quads, gluts, and abs)
- Eyelid tremors
- Red, Bloodshot eyes
- Possible GVM or green coating on tongue
- Dilated pupils

FIRST COMES "MEDICAL"



- Approved by voter Initiative 692 in 1998
 - Granted:
 - Affirmative defense to criminal prosecution for:
 - Qualifying patients and primary caregivers who possess no more than a "sixty-day supply"
 - (what is a 60 day supply?)
- Key events:
 - 2007 Definition of sixty-day supply SB 6032 24 oz. and 15 plants
 - 2009 Change in federal government's enforcement policy
 - 2010 Physician assistants, advanced registered nurse practitioners and
 - naturopaths added as authorizers
 - 2011 SB 5073 passes but is partially vetoed by Gov. Gregoire
 - Made it legal if participant registered in data base vetoed



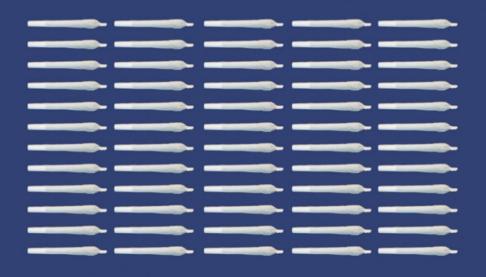








1 OUNCE



60 JOINTS

DRUG POLICY RESEARCH CENTER

Imagine 15 of these plants



THEN COMES "RECREATIONAL"



- I-502, Nov. 6, 2012
- ACLU, Rick Steves & Peter Lewis
- \$6 million Campaign Fund



Originally published November 6, 2012 at 10:26 PM | Page modified November 7, 2012 at 5:16 PM

Voters approve I-502 legalizing marijuana

Washington state voters made history Tuesday by legalizing the recreational use of marijuana.

By <u>Jonathan Martin</u> Seattle Times staff reporter

Washington enthusiastically leapt into history Tuesday, becoming the first state, with Colorado, to reject federal drug-control policy and legalize recreational marijuana use.

Initiative 502 was winning 55 to 45 percent, with support from more than half of Washington's counties, rural and urban.

The vote puts Washington and Colorado to the left of the Netherlands on marijuana law, and makes them the nexus of a new social experiment with uncertain consequences. National and international media watched as vote counts rolled into I-502's election-night party in Seattle amid





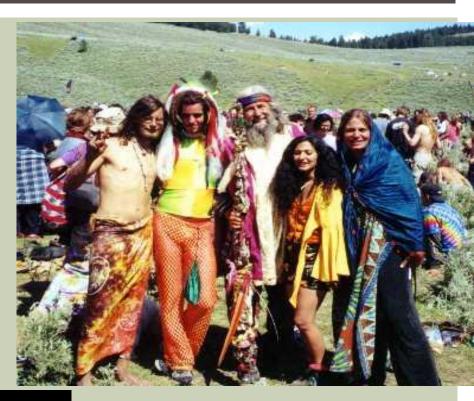
A 30-year-old female smokes marijuana in a street party after

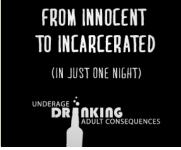
Disclaimer – presentation is for historical and instructional purposes and is not intended to be pro or con on the issues.

I-502 SUPPORTERS SAY:

- 70 years of prohibition clogged jails, ruined lives
- Tax revenue \$2 billion
- Well funded, well organized political campaign
- Those opposed: out spent, not organized



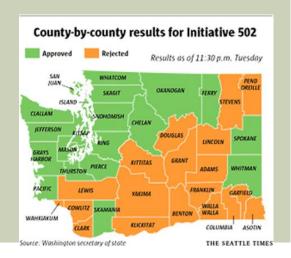






MARIJUANA LEGALIZED BY VOTERS

- Approved by voter Initiative 502 in 2012
 - Adults age 21 and older to:
 - Possess up to 1 oz "useable" MJ (bud)
 - 16 oz infused product (brownies)
 - 72 oz liquid (soda pop)
 - 7 grams concentrate (hash oil)
 - Obtained from a state licensed system of private producers, processers and retail stores
 - Approved 25% tax with 40% of new revenue going to state general fund.
- Hallmarks of the legal marijuana market:
 - Regulation and enforcement
 - Seed to sale tracking
 - Testing and labeling requirements
 - Serving size limits
 - Product restrictions
 - Taxation



AND FINALLY...ALIGNMENT

- 2015 Legislative Session Senate Bill 5052 and House Bill 2136 Create:
 - Regulation of the medical use of marijuana
 - Specific requirements for patients under the age of 18
 - A single system of licensed production, processing and retail sales by July 1, 2016
 - Consistent testing, labeling and product standards

MARIJUANA REGULATORY PROCESS

I-502 - Liquor & Cannabis Board sets up regulatory system –
 Commercially sold
 Department of Health establishing rules for medical marijuana
 Regulations govern growing, processing, distribution, sales,
 pesticides, and testing of marijuana

505 approved licenses (as of June 20, 2017)

983 producers & or processors
Current grow canopy: 18 million square feet



Sales (as of June 20, 2017):

\$ 4.7 million average daily sales

FY 2015 - \$259,785,729 - tax obligation \$65 million

FY 2016 - \$972,729,675 - tax obligation \$185 million

FY 2017 - \$1,327,025,182 - tax obligation \$305 million

https://data.lcb.wa.gov/stories/s/WSLCB-Marijuana-Dashboard/hbnp-ia6v



Licenses Issued by Licensed Privilege

Producer	Producer/Processor	Processor	Retail	Canopy	
154	1027	170	510	18.5m	



Retail Locations

Producer/Processor Locations

Cole Memo

- Federal, State, Local Policy
- Public perception



Preventing the distribution of marijuana to minors



Preventing violence and the use of firearms in the cultivation and distribution of marijuana

GEMORANDUM FOR ALL UNITED STATES ATTORNEYS

ROM: James M. Cole
Deputy Attorney General

LIBJECT: Childrace Regarding Marijama Enforcement

LIBJECT: Childrace Regarding Marijama Information

LIBJECT: Childrace Regarding Marijama and provide information of redeal prosecution

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As the Department noted in its previous guidance, Congress has determined that usignate is a dangerous dress and that the illegal distribution and sain of marijuants is a serious and interpretate a significant source of revenue to describe continued and emergence, against exist. The Department of Destine is committed to inforcement of the Constitute in with one determination of the parameter is also consistent or using its limited investigation and states and an experience of the constitution with a flational way. In furthermore of those objectives, as several latter exacted lines relating to the constitution of the co

Office of the Deputy Attorney General

August 29, 2013



Preventing revenue from the sale of marijuana from going to criminal enterprises, gangs, and cartels



Preventing drugged driving and the exacerbation of other adverse public health consequences associated with marijuana use



Preventing the diversion of marijuana from states where it is legal under state law in some form to other states



Preventing the growing of marijuana on public lands and the attendant public safety and environmental dangers posed by marijuana production on public lands



Preventing state-authorized marijuana activity from being used as a cover or pretext for the trafficking of other illegal drugs or other illegal activity



Preventing marijuana possession or use on federal property

Source: Department of Justice; Department of the Interior (logo). | GAO-16-1

Medical Marijuana – Qualifying Conditions

Under Section 16 of the Cannabis Patient Protection Act, the legislature finds that there is medical evidence that some patients with terminal or debilitating medical conditions may, under their healthcare professional's care, benefit from the medical use of marijuana.

http://www.doh.wa.gov/YouandYourFamily/Marijuana/MedicalMarijuana

Some of the conditions for which marijuana appears to be beneficial include, but aren't limited to:

- Nausea, vomiting, and cachexia associated with cancer, HIV-positive status,
 AIDS, hepatitis C, anorexia, and their treatments;
- Severe muscle spasms associated with multiple sclerosis, epilepsy, and other seizure and spasticity disorders;
- Acute or chronic glaucoma;
- Crohn's disease; and
- Some forms of intractable pain.

Humanitarian compassion necessitates that the decision to use marijuana by patients with terminal or debilitating medical conditions is a personal, individual decision, based upon their healthcare professional's professional medical judgment and discretion.

Medical Marijuana Recognition Card

Under the new <u>medical marijuana law</u>, recognition cards are required if patients and designated providers 21 and older wish to have access to the following benefits:

- Purchase products sales-tax free.
- Purchase up to three times the current legal limit for recreational users.
- Purchase high-THC infused products.
- Grow more than four plants in their residence.
- Have full protection from arrest, prosecution, and legal penalties, although patients will still have an affirmative defense.





CONSUMER SAFETY

- Accompanying materials (varies slightly by type of product)
 - Warning: This product has intoxicating effects and may be habit forming. Smoking is hazardous to your health.
 - This product is infused with marijuana or active compounds of marijuana.
 - Caution: When eaten or swallowed, the intoxicating effects of this product may be delayed by two or more hours.
 - There may be health risks associated with consumption of this product
 - Should not be used by women that are pregnant or breast feeding.
 - For use only by adults twenty-one and older. Keep out of reach of children.
 - Marijuana can impair concentration, coordination, and judgment. Do not operate a vehicle or machinery under the influence of this drug.
 - Pesticides and growing medium
 - Type of extraction method, including solvents, gases, or other chemicals



No More of These... COLORS C







MARIJUANA IMPAIRED DRIVING:

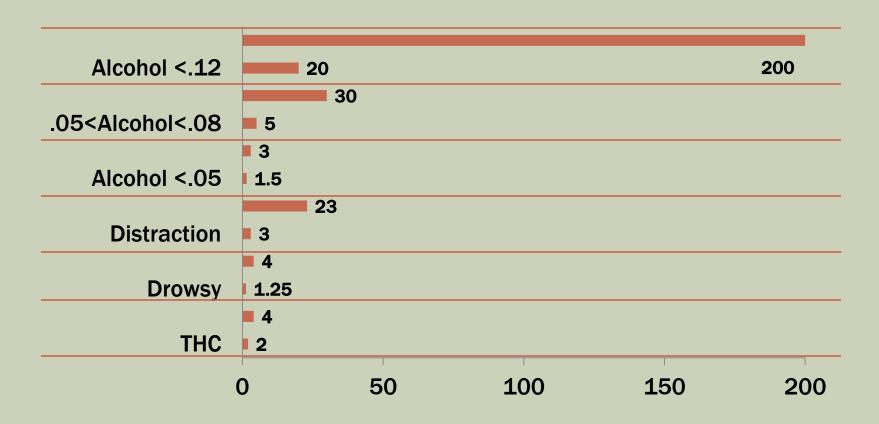
- Recent meta-analyses shows driving high doubles crash risk
- Affects focus, motor coordination, drowsiness and concentration
- Drivers involved in fatal crashes show a high frequency of combining pot & alcohol = synergistic effect
- Marijuana drug levels/specific type not shown in national FARS crash data
- DUI citations are down in Washington State





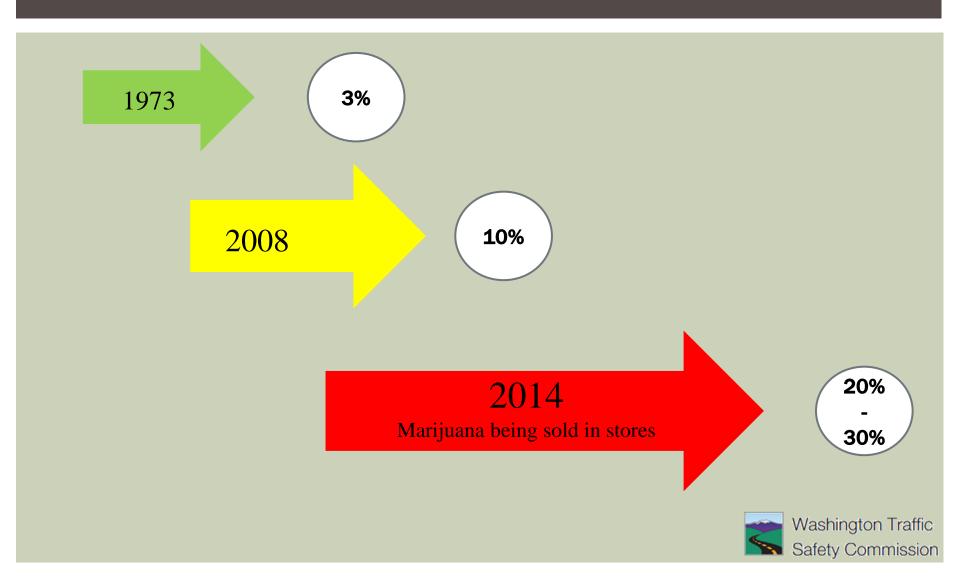
DOES MARIJUANA USE INCREASE CRASH RISK??



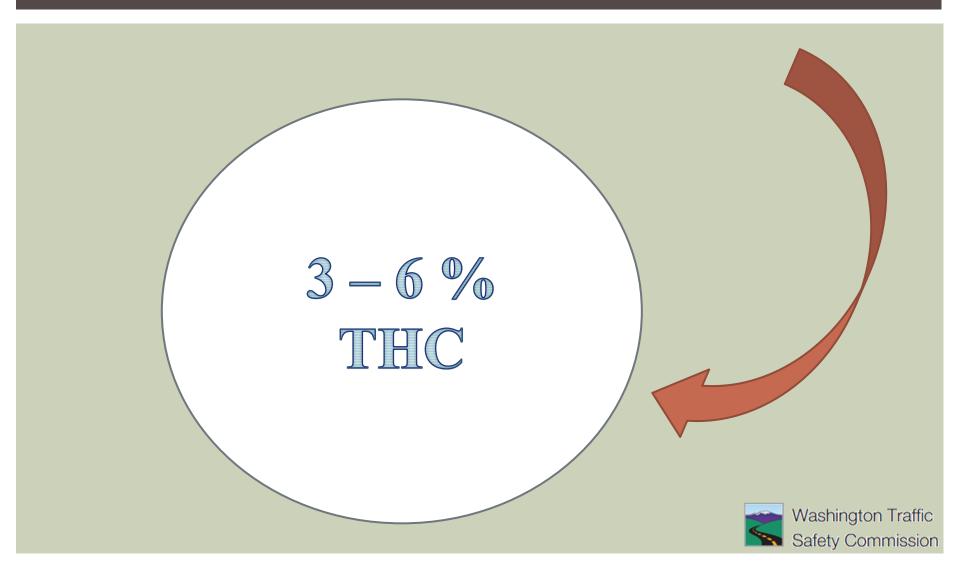


Review of literature revealed varying crash risk

"NOT YOUR DADDY'S WOODSTOCK WEED"



THC POTENCY USED IN MOST GOVERNMENT STUDIES



ESTIMATED DURATION OF EFFECTS AFTER SMOKING OR INGESTING THC

	Peak Effects (After last smoking episode)	Duration of Effects	Behavioral and psychological effects return to baseline	Residual Effects
Smoked	1-30 minutes	2-3 hours	3-5 hours	Up to 24 hours
Oral/Edible	1-3 hours	4-8 hours	Dose Dependent	Dose Dependent

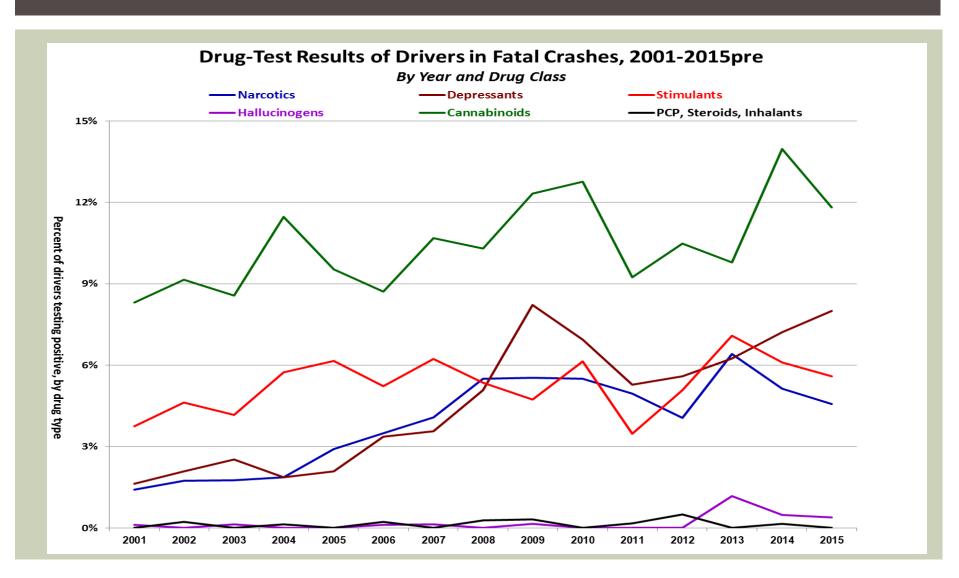
A recent study showed that THC blood concentration decreased 73.5% in the first 30 minutes and 90.3% in first 1.4 hours (2.9 – 6.7% THC).

Hartman, R.L. et al., "Effect of Blood Collection Time on Measured 9-Tetrahydrocannabinol Concentrations: Implications for Driving Interpretation and Drug Policy." Clinical Chemistry 62, no.2 (2016): 367-377.

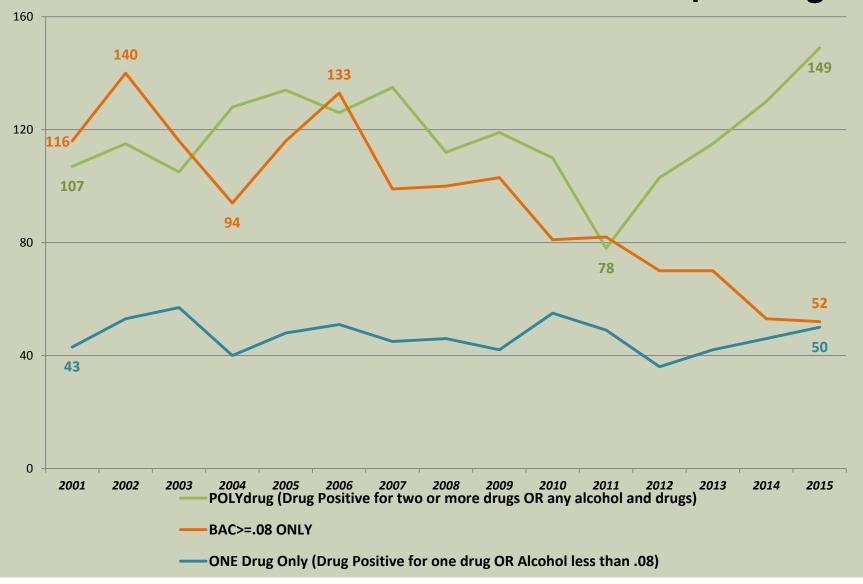
*Note: Additional research is needed to understand all methods of ingestion and the effects, durations, and long term-impacts



MARIJUANA HAS ALWAYS BEEN THE DOMINATE DRUG IN FATAL CRASHES

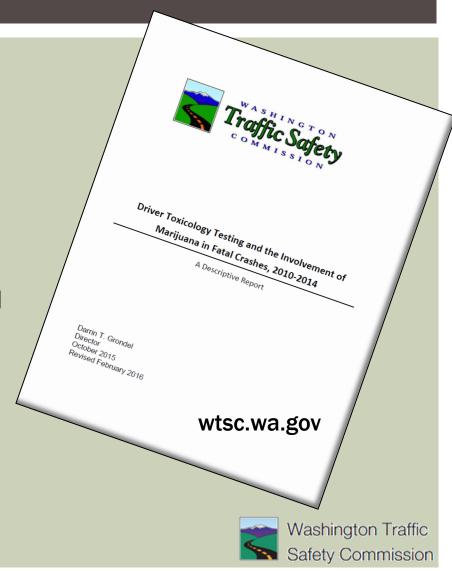


Number of Drivers in Fatal Crashes Under the Influence of Alcohol and/or Drugs



WTSC DESCRIPTIVE REPORT

- Reviewed all WA toxicology paper reports and manually entered full toxicology outcomes into a spreadsheet
- Worked with Dr. Couper to abstract the information for surviving drivers
- Abstracted full toxicology for everyone in fatal crashes who had toxicology testing (drivers, occupants, non-motorists)
- Married to the original FARS record for in-depth fatal crash analysis
- Initial report focused on data years 2010-2014, DRIVERS



DRIVERS IN FATAL CRASHES WITH THC

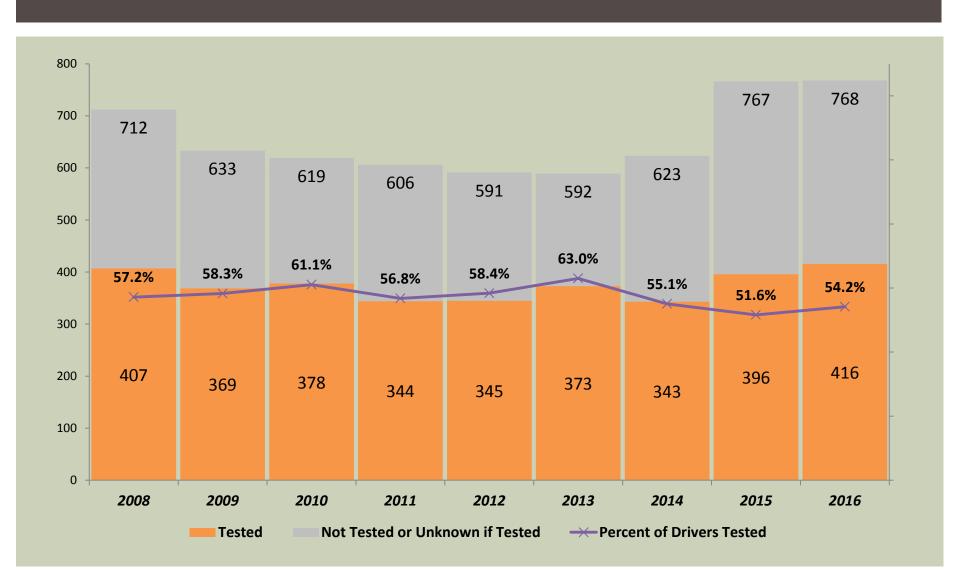
Toxicology Outcomes	2010	2011	2012	2013	2014	2015pre	
Not Tested	219	226	224	212	272	375	
No Drugs, No Alcohol	147	151	151	147	116	155	
Alcohol Only <.079	15	8	6	7	10	10	
Alcohol Only >.080	67	67	60	69	51	47	
THC Only	9	7	13	7	20	24	
Carboxy-THC Only	11	10	7	3	6	4	
THC + Alcohol <.079	3	1	0	3	6	5	
THC + Alcohol >.080	16	16	12	16	23	26	
Carboxy-THC + Alcohol	12	6	11	9	3	1	
THC + Drugs + Alcohol <.079	0	0	1	2	3	5	
THC + Drugs + Alcohol >.080	2	5	2	3	6	10	
Carboxy-THC + Drugs + Alcohol	10	2	5	2	0	1	
THC + Drugs	6	3	8	5	17	12	
Carboxy-THC + Drugs	10	5	3	7	5	4	
Other Drugs Only	47	42	46	71	52	77	
Other Drugs + Alcohol Only	20	18	19	20	24	18	

INCREASES IN 2014...

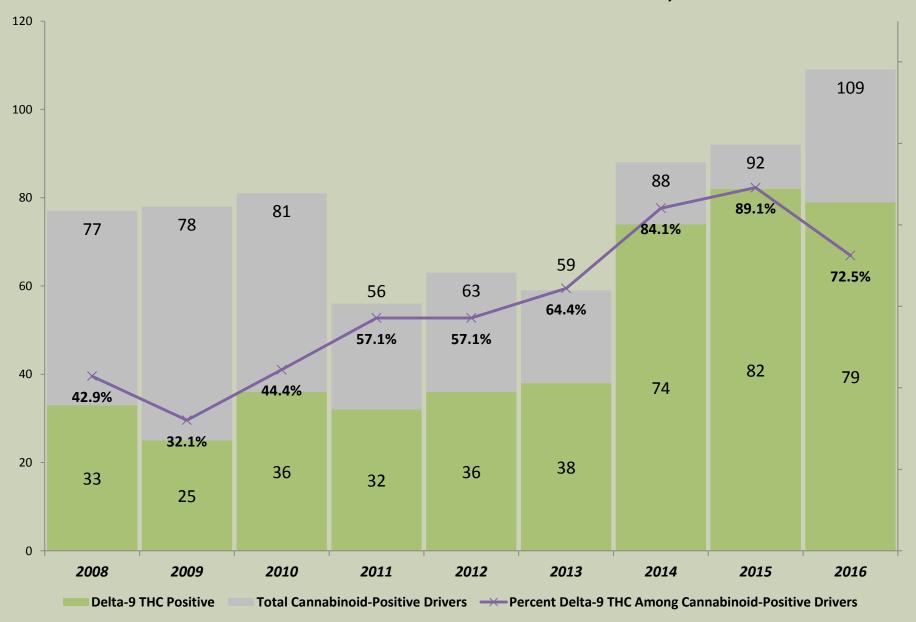
- Still too soon for answers/impact on traffic safety
 - The frequency of drivers in fatal crashes that tested positive for active THC, alone or in combination with alcohol or other drugs, was highest in 2014 (75 drivers) compared to the previous four-year average (36 drivers).
 - The frequency of drivers tested with alcohol greater than/equal to BAC .08 and no other drugs was lowest in 2014 (51 drivers) compared to the previous four-year average (98 drivers).
 - In 2014, 84.3 percent of drivers positive for cannabinoids were positive for active THC, compared to only 44.4 percent of cannabinoid-positive drivers in 2010.
 - In 2014, among the 75 drivers involved in fatal crashes positive for active THC, approximately half (38) exceeded the 5 ng/ml THC per se limit.
 Washington Traffic

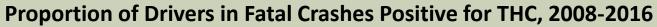
Safety Commission

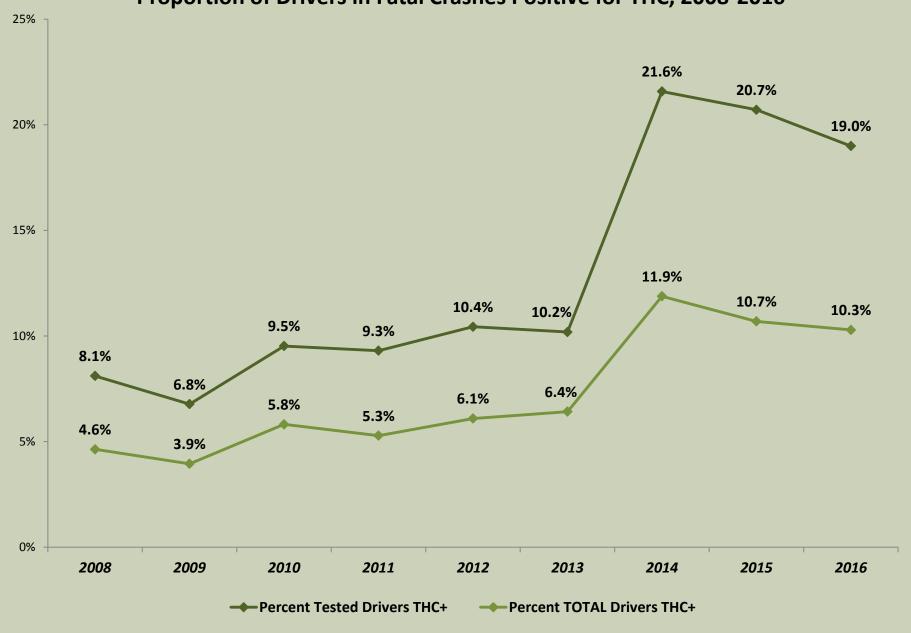
DRUG TESTING AMONG DRIVERS INVOLVED IN FATAL CRASHES, 2008-2016



Cannabinoid-Positive Drivers Involved in Fatal Crashes, 2008-2016









STANDARD FIELD SOBRIETY TESTS

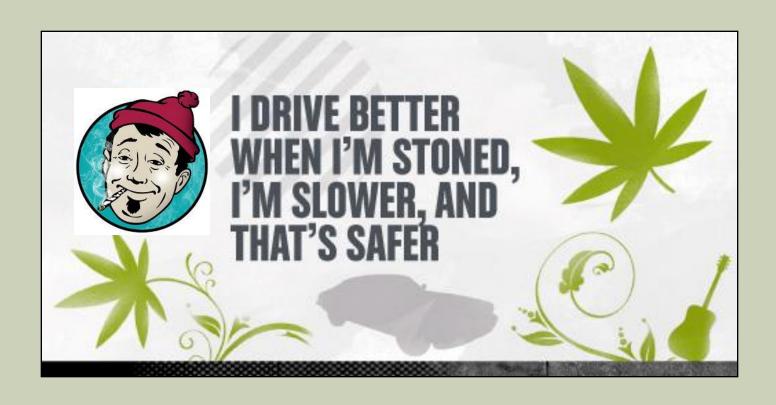
Massachusetts Supreme Court Rules Field Sobriety Tests Are Not Conclusive For Marijuana Cases.

The AP (9/19) reports the Massachusetts Supreme Judicial Court "ruled that field sobriety tests typically used in drunken driving cases cannot be used as conclusive evidence that a motorist was operating under the influence of marijuana." The justices "said there is currently no reliable scientific test for marijuana impairment." The Springfield (MA) Republican (9/19) reports, "Due to the physical and mental effects of marijuana varying from person to person, a police officer cannot offer an opinion on whether an individual was 'high' in court cases involving a driver accused of operating under the influence of marijuana, the Massachusetts Supreme Judicial Court said in a ruling issued Tuesday." The court held that officers can testify to observations of the individuals, but the officer "cannot offer an opinion on whether those mean the driver was under the influence of marijuana."

The drivers who said they'd used marijuana within two hours of driving were also asked: when you used marijuana and drove, how do you think it affected your driving?

	Percentage of drivers:	Total number:	
Did not make any difference in my driving:	62%	60	
Made me a better driver:	25%	24	T = 84 (87%)
I don't know:	10%	10	
Made my driving worse:	3%	3	

Perceptions or Realities...



DRIVER'S HIGH ON WEED - SPEED

2014 FARS data revealed that speeding occurs in 35.8% of all fatal marijuana driving cases compared to 25.9% of no-alcohol or drugs cases.



Source: Crancer & Drum, The Mercury News, April 2016

"DRUG RECOGNITION EXPERT (DRE) EXAMINATION CHARACTERISTICS OF CANNABIS IMPAIRMENT" ACCIDENT ANALYSIS AND PREVENTION, APRIL 2016

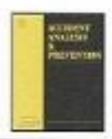
Accident Analysis and Prevention 90 (2016) 219-228



Contents lists available at Science Direct

Accident Analysis and Prevention





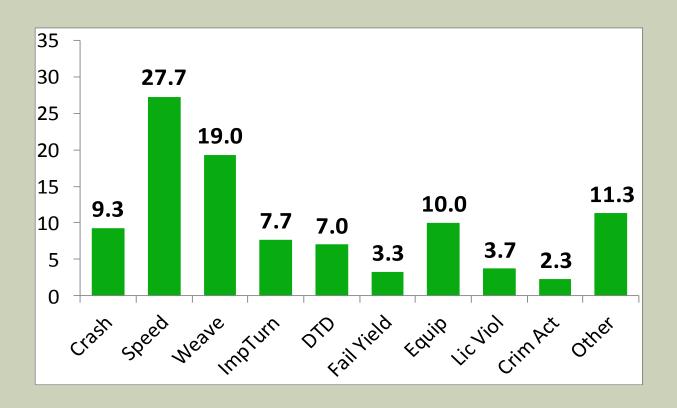
Drug Recognition Expert (DRE) examination characteristics of cannabis impairment



Rebecca L. Hartman*, Jack E. Richman*, Charles E. Hayes*, Marilyn A. Huestis*.*

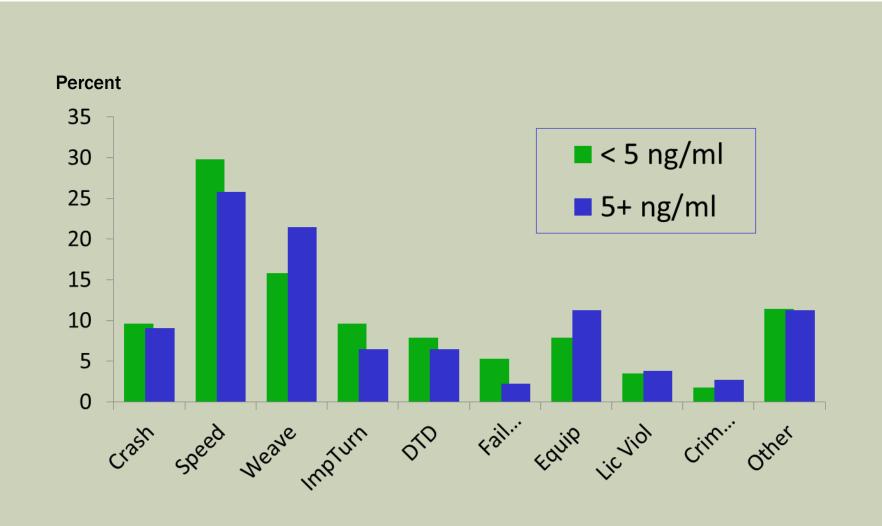
- * Chemistry and Drug Mercholism, Intravaural Research Program, National Institute on Drug Nissen, National Institutes of Nealth, 251 Sayview Southward See 200 Per 05A721, Beliefe No. 21224, USA
- * Hingfrom Policy Department, 212 Central Street, Hinghom, MA 001MS, USA
- * International Association of Chiefs of Police, 44 Corel Center Plans, Svice 200, Nevendria, VA 22274, USA.

REASON FOR THE TRAFFIC STOP



72% of cases involved one or more moving violations. (DTD – Disobeyed Traffic Device)

REASON FOR THE TRAFFIC STOP



Among the drivers surveyed, 877 answered the question: "How likely do you think it is that marijuana impairs a person's ability to drive safely if used within two hours of driving?"

	Percentage:	Number of Respondents:	T= 877
Very likely	47%	409	
Likely	19%	162	
Somewhat likely	22%	197	T= 768 (88%)
Not at all likely	12%	109	



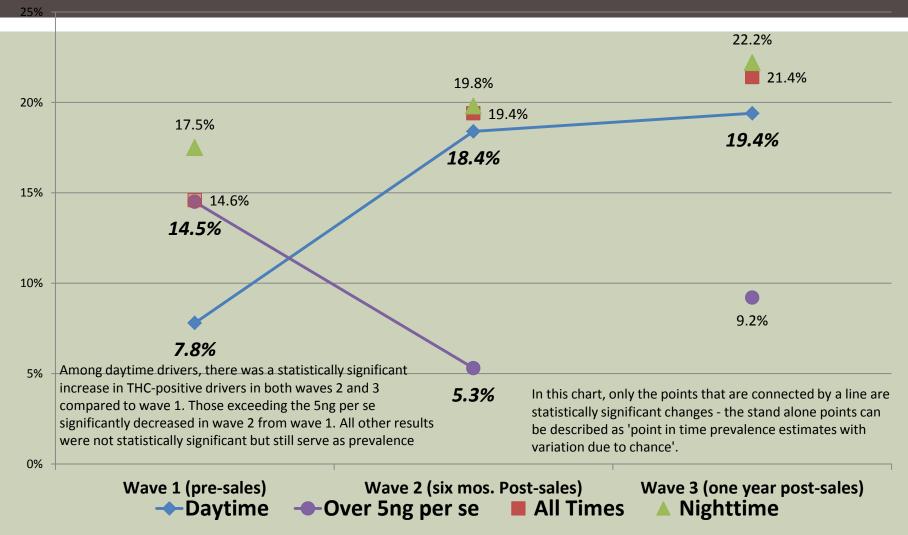




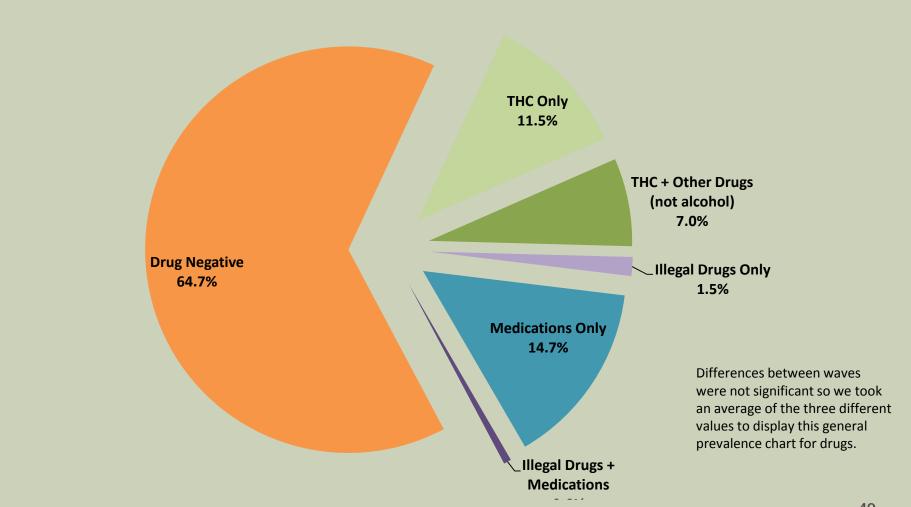
881 Survey respondents answered the question: "How likely do you think it is that a person could be arrested for impaired driving after using marijuana within two hours of driving?

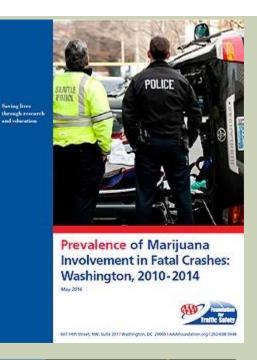
	Percentage:	Number of Respondents:	T= 881
Very likely	41%	360	
Likely	23%	204	
Somewhat likely	25%	219	T= 783 (89%)
Not at all likely	11%	98	

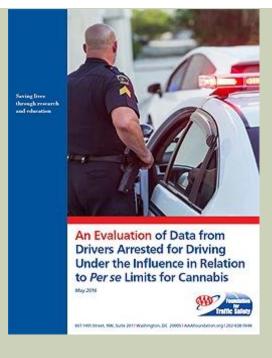
Percentage of Washington Drivers THC-positive Before and After Recreational Marijuana Sales

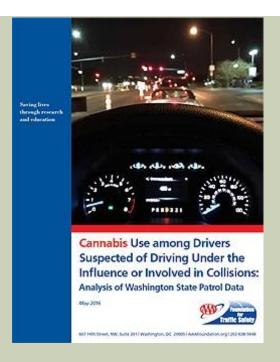


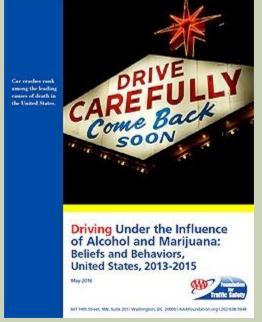
Drug-Positive Drivers in Washington State (Average Prevalence Estimates Wave1 - Wave3)

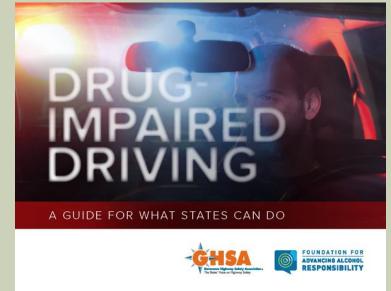












ROAD SIDE STRATEGIES





ASSET	3	1 7	
1-6	- 4/5		

• Electronic DUI p	acket
--------------------	-------

- **Electronic Search Warrants**
- **Forensic Phlebotomy**
 - **Lakewood PD/Pierce County**

			ATH / BLOC			AND/OR THE OR	
SUBJECT'S NAME	LAST, FIRST, MI)	KEFUSAL	TO SUBMIT	TO BREA	SEX	DATE OF BIRTH	DATE / TIME OF ARREST
STREET ADDRESS					M F	44	
STREET ADDRESS					CHT/SIXIE/2P CC	ioe .	
DRIVER'S LICENSE	NUMBER		ENDORSED!	TATE COU	NTY OF ARREST	CASE / CITATIO	N NUMBER
F	AC Readings - D	ataMaster .	1 st Sample	9	2 ^{fd} Sample	Refused Test	
	AC Readings - D	raeger	1st Sample (IR)	_ 2	Sample (IR)	Refused Test Blood Alcohol Blood THC	
		1	st Sample (EC)	2'	d Sample (EC)	Blood THC	
control of a mo been driving or After receipt of indicated that ti if the person is	or vehicle within this was in actual physic any applicable warni se alcohol concentral	state while und al control of a m ings required, th son of the personer, or that the a	er the influence of lotor vehicle while e person refused on's breath or bloo sloohol concentral	f intoxicating list having an alco to submit to a od was 0.06 or tion of the persi	quor or drugs, or both shot or THC concents test of his or her brea more, or the THC co	ed person had been driving it, or was under the age of twater in violation of RCW 46 th, or a test was administer ncentration of the person's b was 0.02 or more, or the THI	enty-one years and had .61.503. ad and the results lood was 5.00 or more,
Driver's h	learing Request Info	ormation was g	given to the arre	sted person.			
						s required to obtain a hearing the Department of Licensi	
SIGNATURE C	E DD9/ED		D.I	TE			
There were rea system or while from operating or more OR the when exigent o	under the influence a commercial motor person refused the	elleve that the of alcohol, mari vehicle under R breath test OR i r under any oth	driver was driving juana, or any dru CW 46.25.090. A a blood test was a	g. The driver was breath test was administered purely	as informed that refu is administered and to insuant to a search w	aving alcohol, marijuana, or using the breath test would in the result indicated an alcoho arrant, a valid waiver of the cohol concentration of 0.04 of	esult in disqualification of concentration of 0.04 warrant requirement.
VEH YEAR	MAKE	MODEL	LICENSE	PLATE NUMBER	STATE HAL	SARDOUS MATERIAL? YES	□ NO
I certify (or de	cable, sign and dat clare) under penalty and the information	of perjury un	der the laws of t	he state of Wa	shington that the fo	regoing and the accompa	nying reports/copies
LAW ENFORCEME	VT AGENCY		ORIN	O. (9 dight)	OFFICER	G GIGNATURE	DATE SIGNED
MAILING ADDRESS	r:				PRINTED	NAME OF OFFICER	BADGE NUMBER
OTY		STATE	ZIP	PLACE SIGN	ED (oily / county / state)	GONTACT PH	ONE NUMBER FOR HEARING
						Į.	and more
OFFICER'S E-MAIL	ADDMESS:			Departm Driver R	ent of Licensing		



STATE OF W COUNTY	ASHINGTON COUR
STATE OF WASHINGTON,	NO.
Plaintiff,	SEARCH WARRANT FOR EVIDENCE O A CRIME, TO WIT:
·. 	□ VEHICULAR HOMICIDE, RCW
Defendant.	□ VEHICULAR ASSAULT, RCW 46.61.522
	DRIVING WHILE UNDER THE INFLUENCE, RCW 46.61.502
	DRIVER UNDER TWENTY-ONE CONSUMING ALCOHOL OR
	MARIJUANA, RCW 46.61.503 PHYSICAL CONTROL OF VEHICLE WHILE UNDER THE INFLUENCE, RCW 46.61.504

TO ANY PEACE OFFICER IN THE STATE OF WASHINGTON:

WHEREAS, upon the sworn complaint heretofore made and filed and/or the testimonial evidence given in the above-entitled Court and incorporated herein by this reference, it appears to the undersigned Judge of the above-entitled Court that there is probable cause to believe that, evidence of intoxicating liquor, marijuana, or any drug as defined by RCW 46.61.540, in

		0,	
Vehic	ular Homicide, RCW 46	.61.520	
	Reckless Manner		Under the Influence of Liquor or Drug
	Disassed for the Cot	af Od	

CAMPAIGN MESSAGES USED IN WASHINGTON ABOUT YOUNG DRIVERS AND DRUGGED DRIVING:

Listen To Your Selfie – Remember What's Important, Forget Marijuana http://listen2yourselfie.org/

Start talking now

http://www.starttalkingnow.org/

Dr. Leslie Walker - Adolescent Substance Abuse

https://www.youtube.com/watch?v=hhVDf8MEiDA
I'm Not Driving – TV ad

https://www.youtube.com/watch?v=li6WPeTQPeA

Drive High, Get A DUI - TV ads

https://www.youtube.com/watch?v=6wHqby9o6cl
https://www.youtube.com/watch?v=13DwO022CMk
https://www.youtube.com/watch?v=4 qsZoS-wM0

Washington State Marijuana Laws

https://www.youtube.com/watch?v=R3P0X6Ft9as http://www.starttalkingnow.org/ http://www.gssac.org/



Darrin T. Grondel
Director
Washington Traffic Safety
Commission
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