

Trends: DUI in CO, WA, and VT | Perception of Harm

Trends: Highway Crash Fatalities in CO, WA, and VT

# CANNABIS AND HIGHWAY SAFETY

Vermont State Police  
Testimony to House Judiciary  
April 18, 2019

# TRENDS IN DUI - COLORADO

**Table 19. Driving under the influence citations issued by Denver Police Department, by impairment reason, 2013–2017**

	2013	2014	2015	2016	2017
DUI Total	2,896	2,619	2,532	2,262	1,895
DUI Drugs	84	129	148	122	119
Marijuana	33	66	73	63	63
Other drugs	51	63	75	59	56

Note: Marijuana includes marijuana alone or in combination with alcohol or other drugs. Other includes other drugs alone or in combination with alcohol.

Source: Denver Office of Excise and License (2018).

# TRENDS IN DUI - COLORADO

**Table 20. Driving under the influence citations issued by Aurora Police Department, by marijuana involvement, 2014–2017**

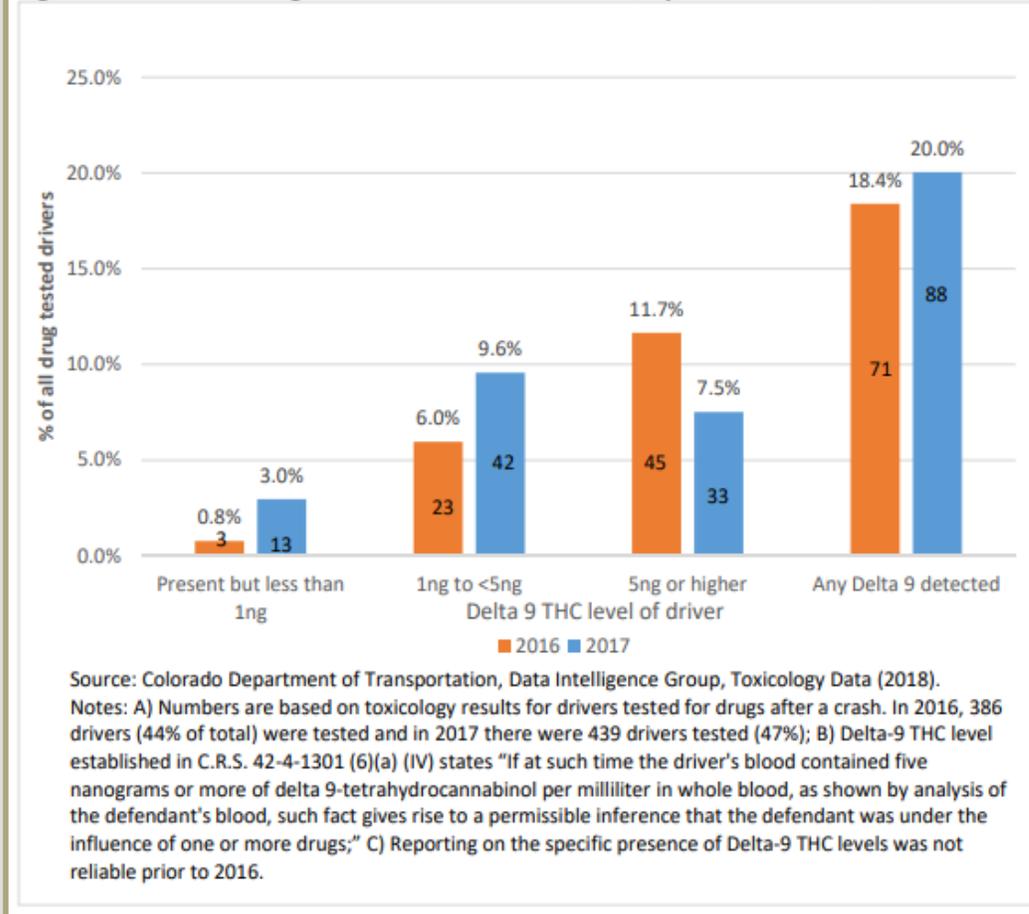
	2014	2015	2016	2017
DUI Total	1,995	1,684	1,374	1,386
Marijuana confirmed	60	72	178	128

Note: "Marijuana confirmed" indicates a positive toxicology test for Delta-9 THC.

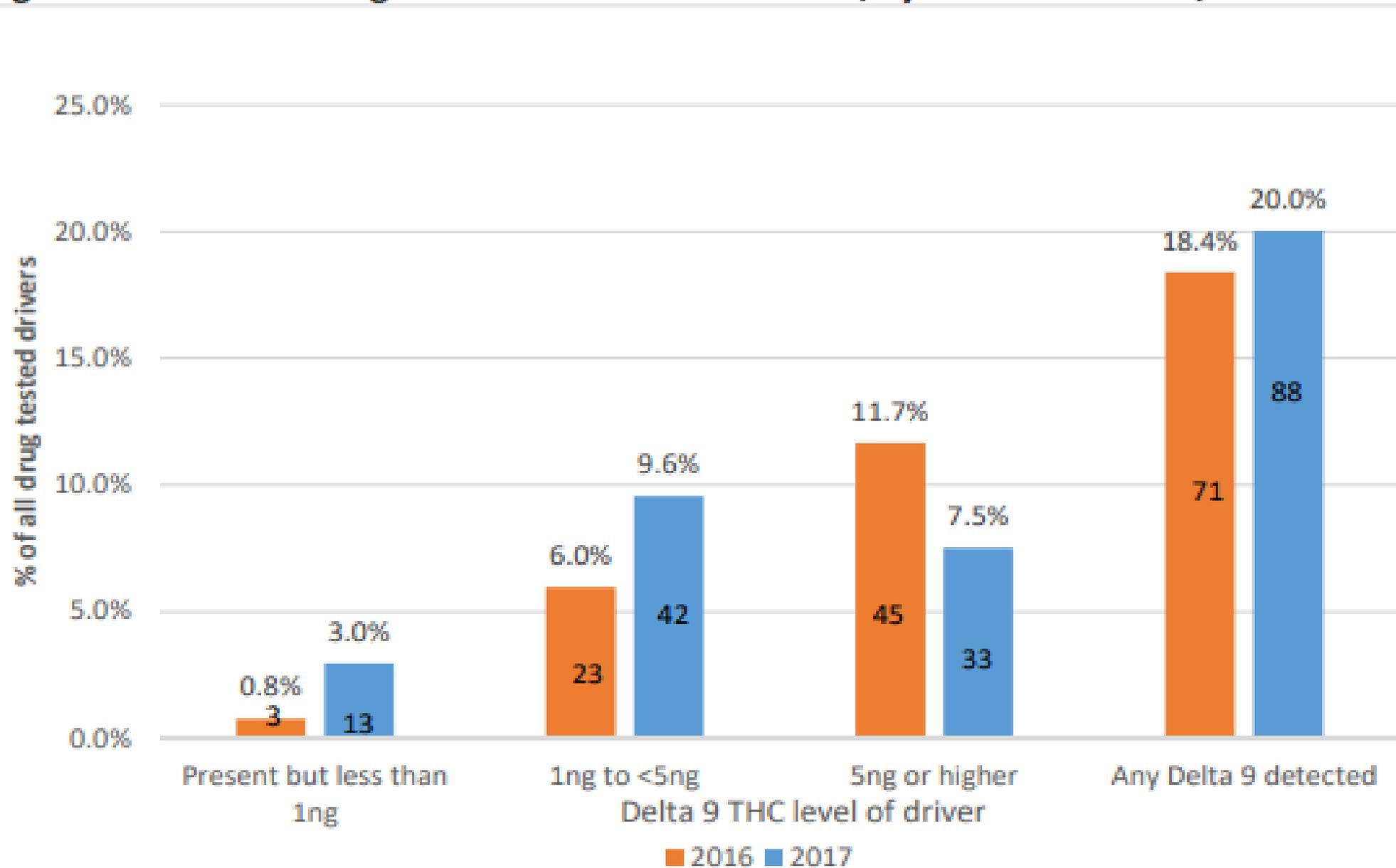
Source: Aurora Police Department (2018).

# TRENDS IN CRASH FATALITIES - COLORADO

Figure 17. Colorado: Drug tested drivers in fatal crashes, by Delta-9 THC level, 2016–2017



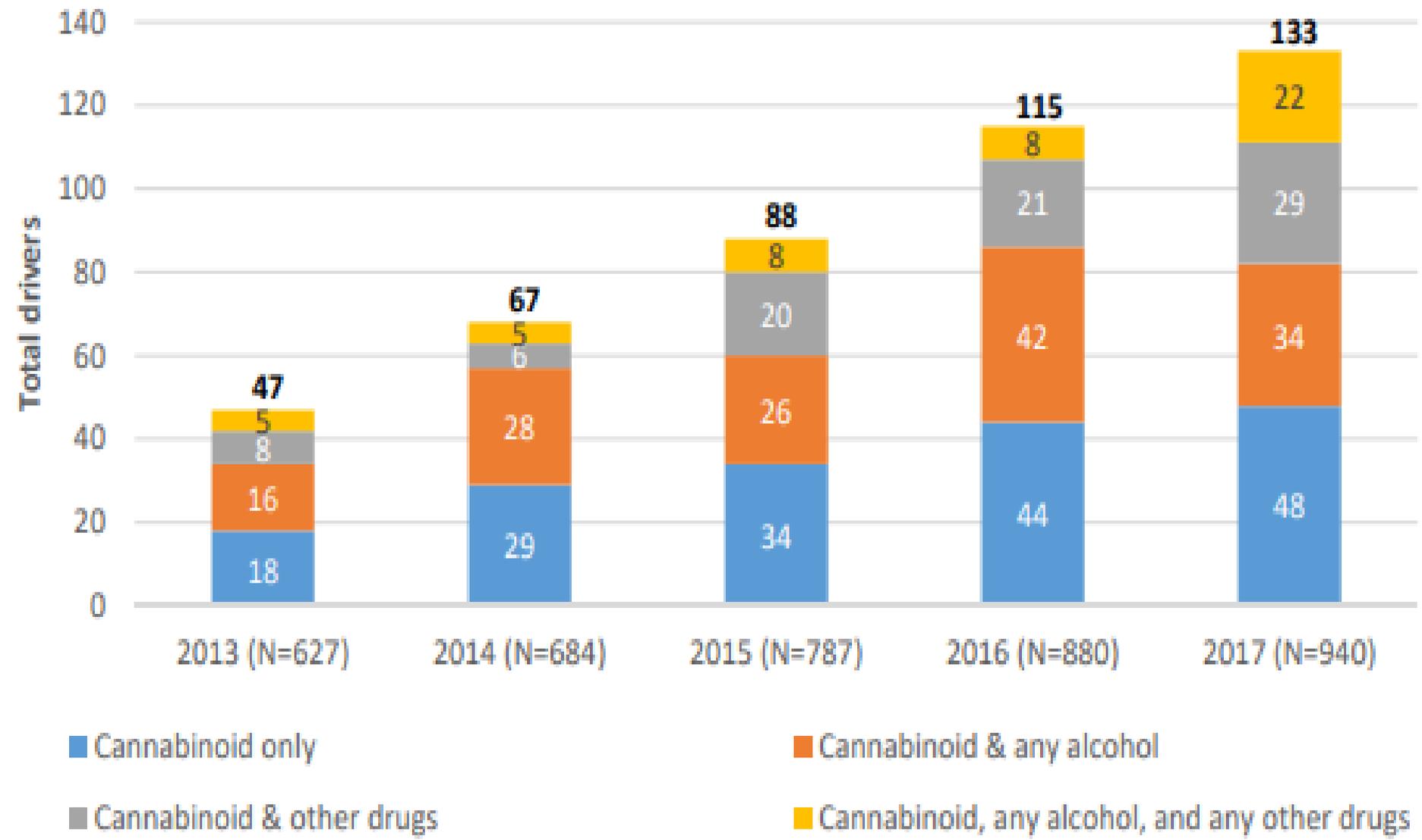
**Figure 17. Colorado: Drug tested drivers in fatal crashes, by Delta-9 THC level, 2016–2017**



Source: Colorado Department of Transportation, Data Intelligence Group, Toxicology Data (2018).

Notes: A) Numbers are based on toxicology results for drivers tested for drugs after a crash. In 2016, 386 drivers (4.4% of total) were tested and in 2017 there were 420 drivers tested (4.7%); B) Delta 9 THC level

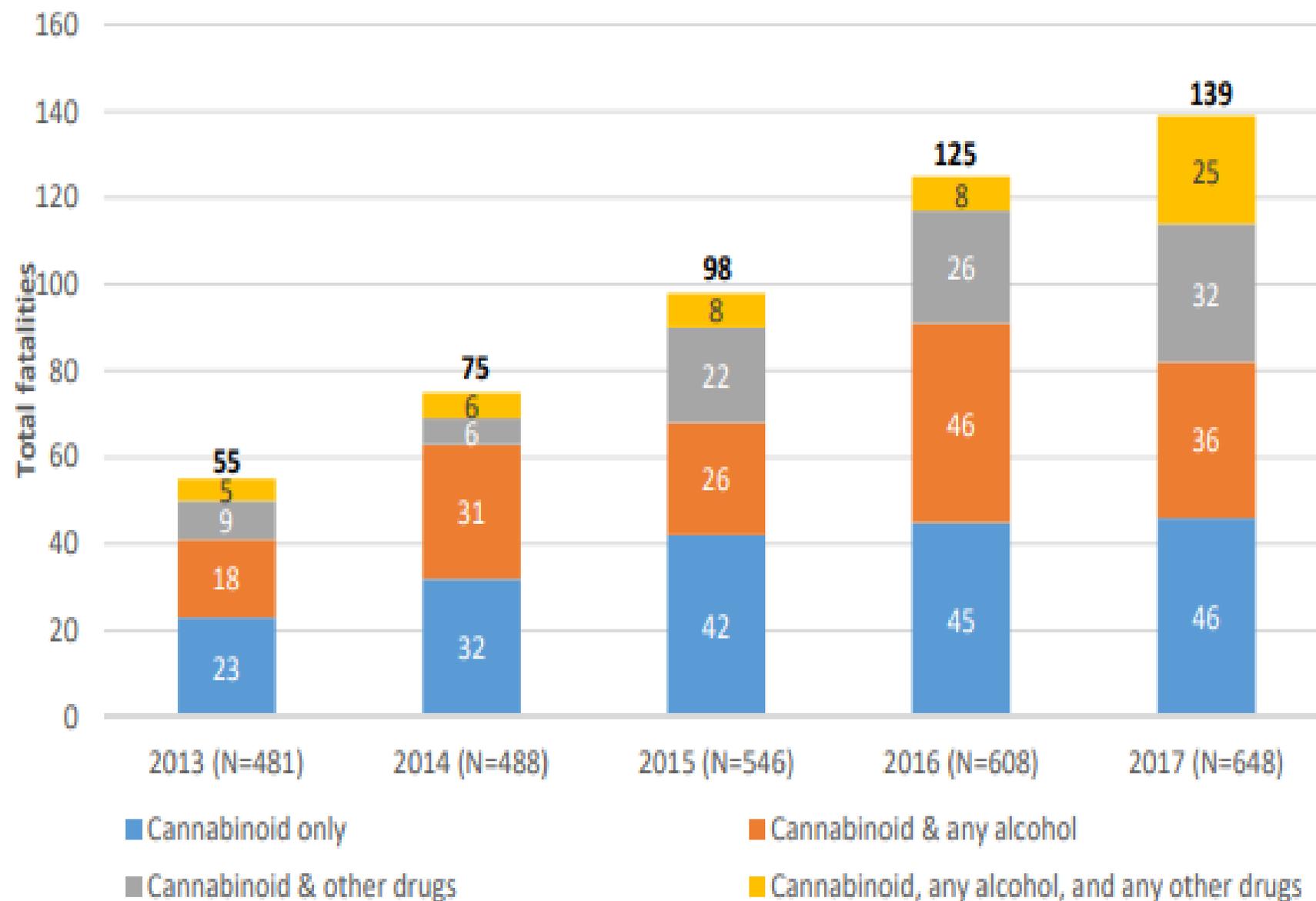
**Figure 15. Colorado drivers in fatal crashes involving cannabinoids, 2013–2017**



Source: Colorado Department of Transportation, Data Intelligence Group, Toxicology Data (2018).

Note: A) Numbers are based on toxicology results for drivers tested for drugs after a crash. See Table 21 for number and percent of drivers tested each year; B) the presence of a cannabinoid does

**Figure 16. Colorado fatalities involving drivers testing positive for cannabinoids, 2013–2017**



Source: Colorado Department of Transportation, Data Intelligence Group, Toxicology Data (2018).

# TRENDS IN DUI - WASHINGTON

Figure 1: Proportion of DUI Toxicology Outcomes Positive for THC

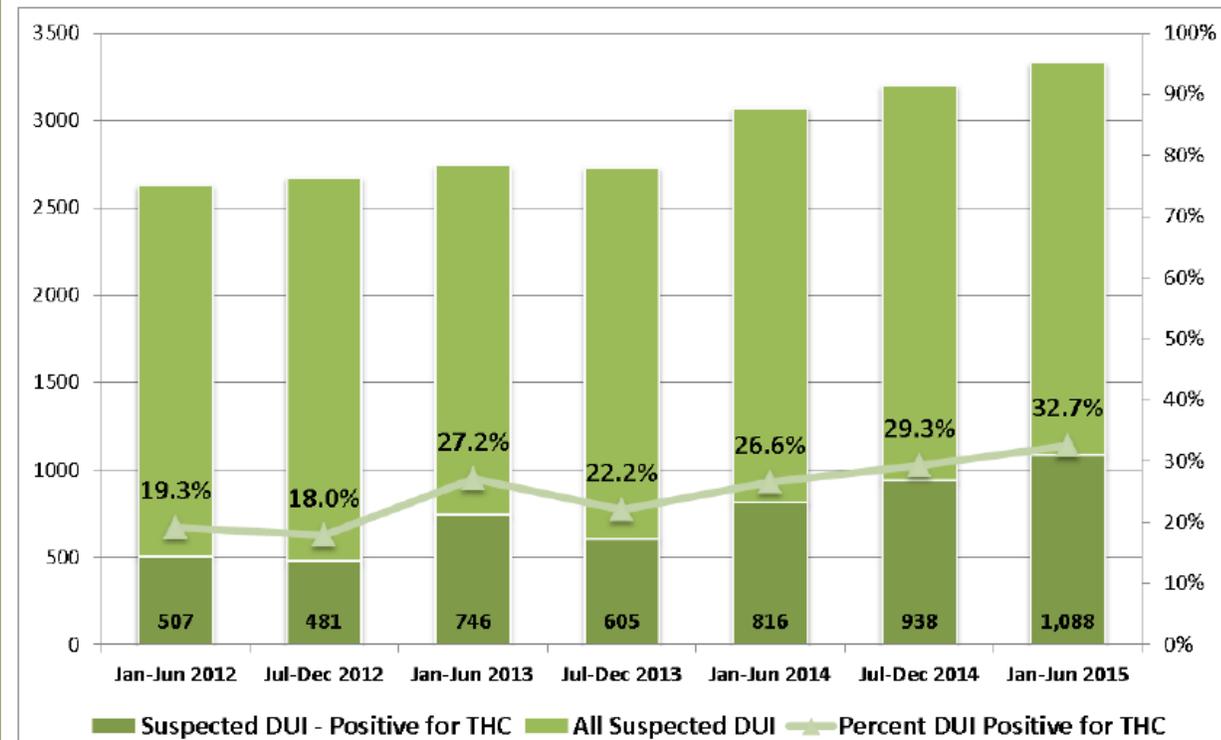
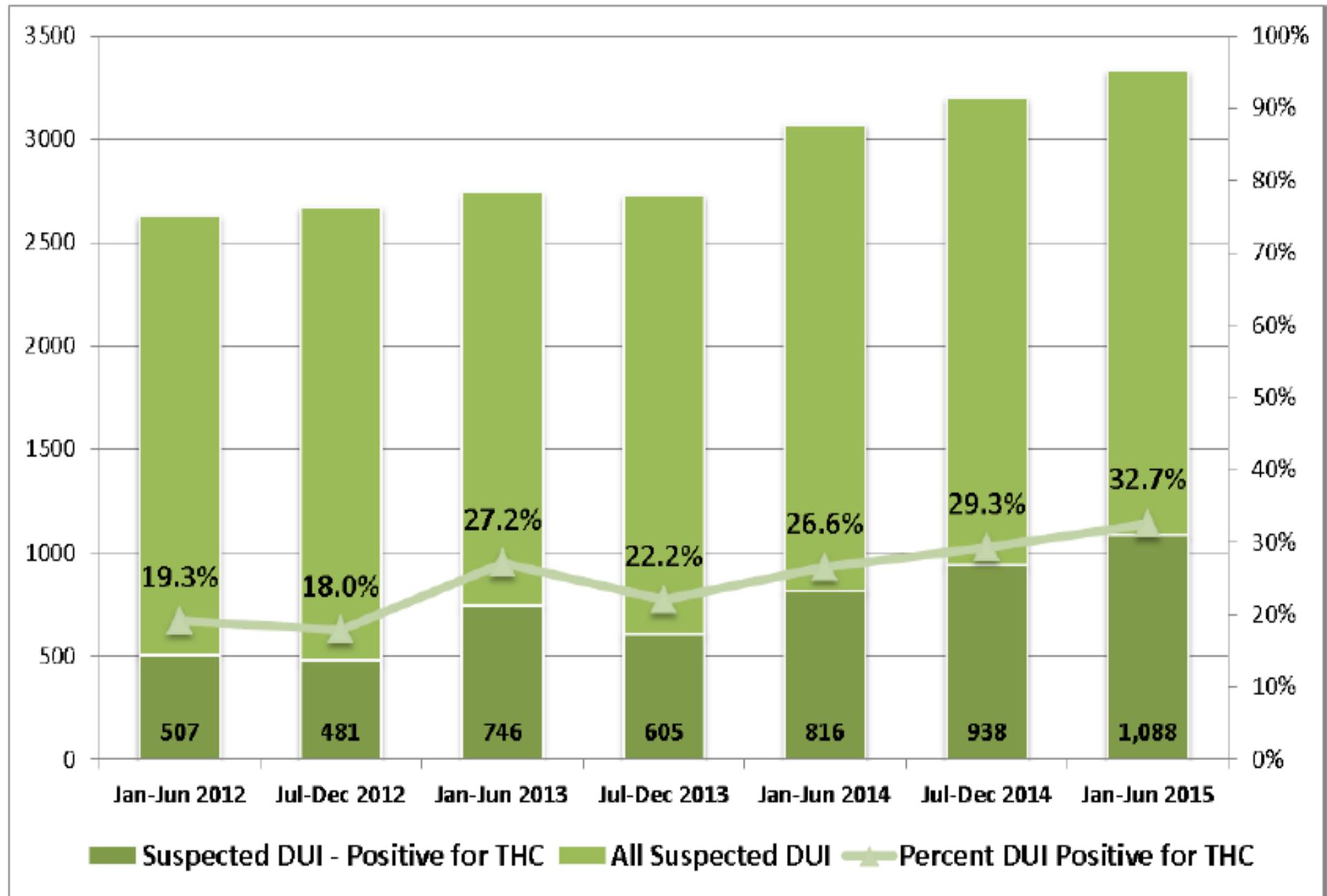
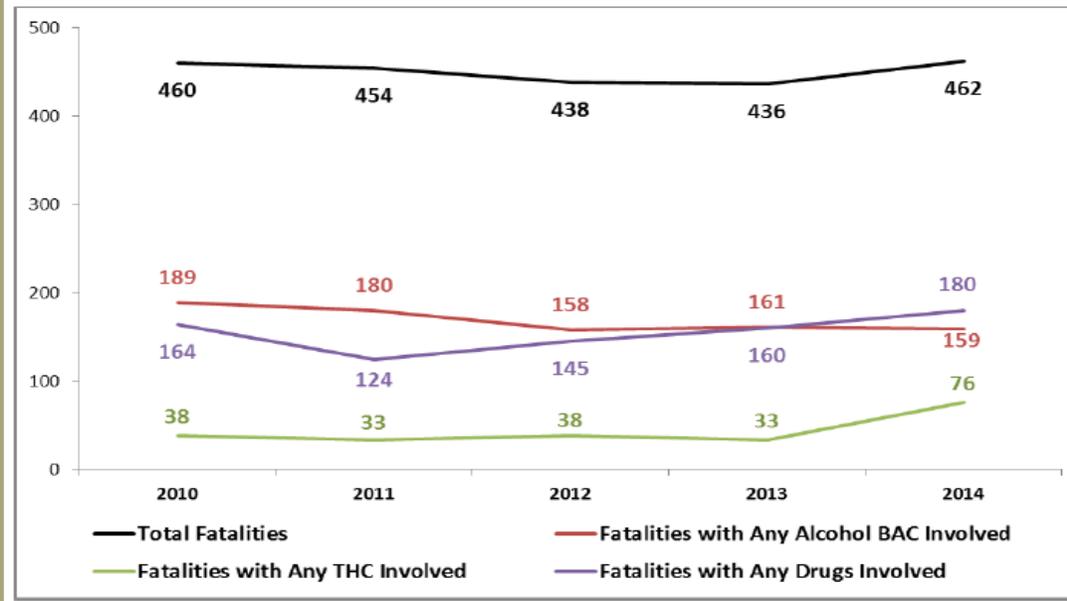


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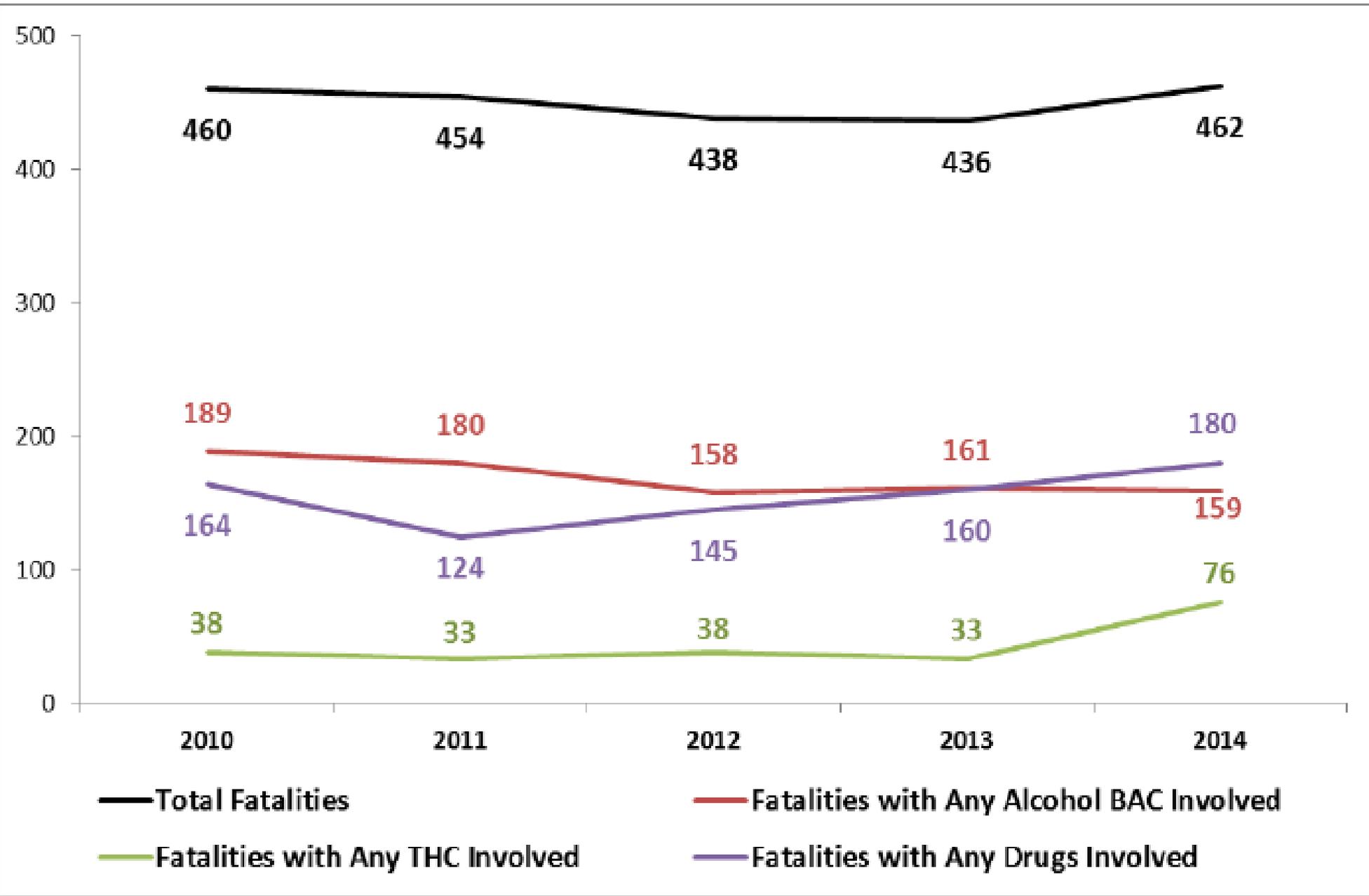


# TRENDS IN CRASH FATALITIES - WASHINGTON

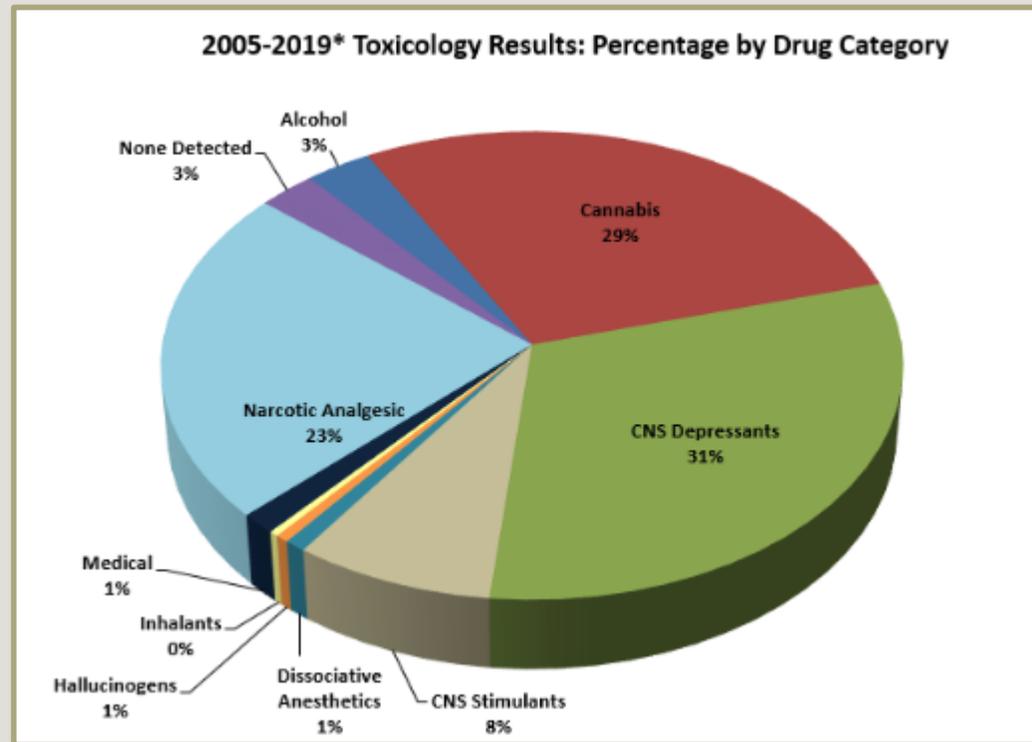
Figure 14: Total Fatalities Involving Any Alcohol, Any Drugs, and Any THC



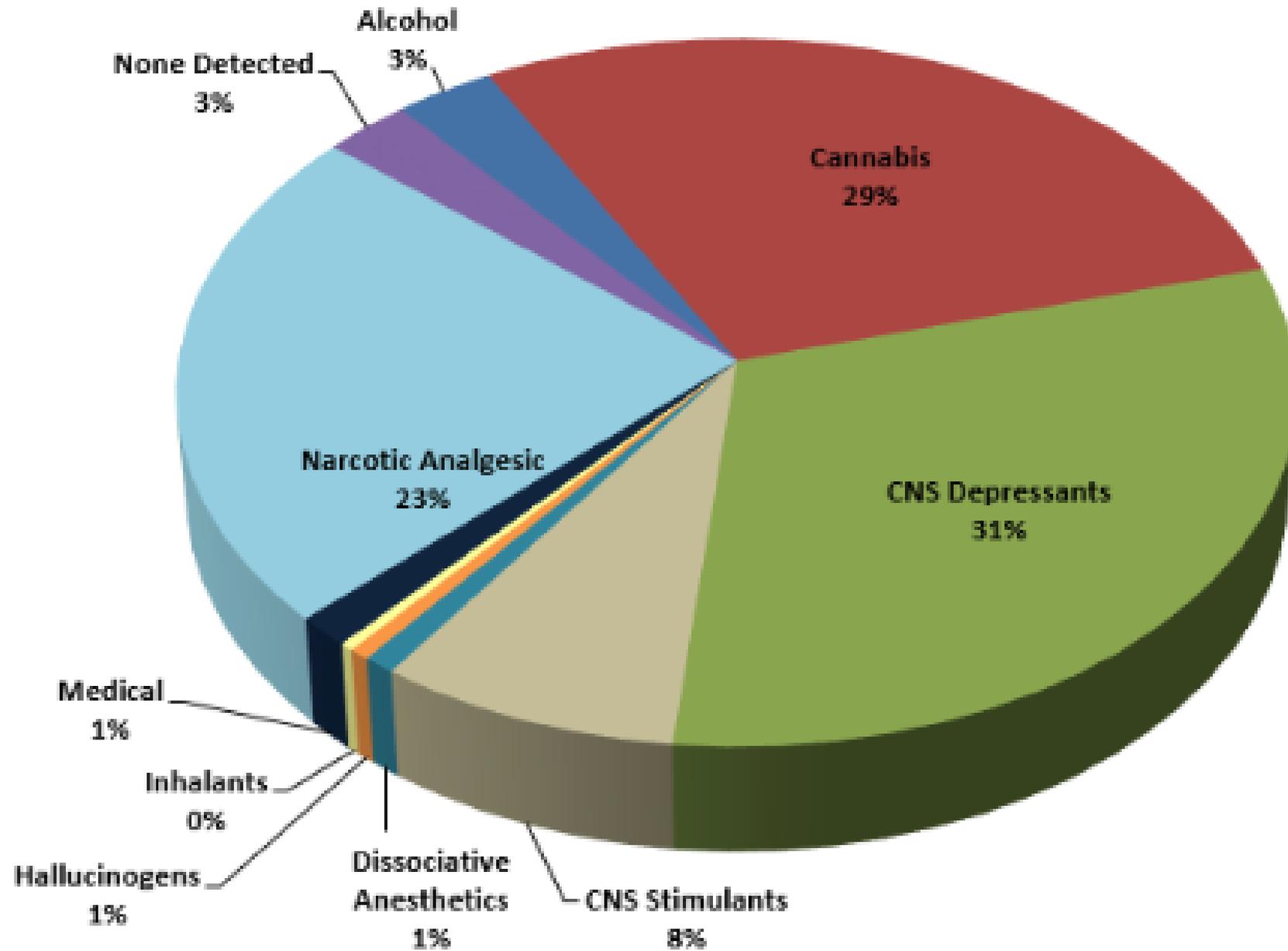
**Figure 14: Total Fatalities Involving Any Alcohol, Any Drugs, and Any THC**



# TRENDS IN DUI - VERMONT



## 2005-2019\* Toxicology Results: Percentage by Drug Category



# VERMONT DUI-DRUG TOTALS

	'05	'06	'07	'08	'09	'10	'11	'12	'13	'14	'15	'16	'17	'18	'19	Totals
Alcohol	0	2	3	5	5	6	0	0	7	7	4	4	9	14	4	70
Cannabis	4	10	11	10	16	16	21	35	59	59	61	73	70	168	25	638
CNS Depressants	6	18	8	22	34	47	50	73	68	58	72	64	63	97	11	691
CNS Stimulants	2	1	2	4	6	5	4	11	18	12	17	18	19	58	2	179
Dissociative Anesthetics	0	0	0	0	0	2	0	0	2	2	6	0	4	3	0	19
Hallucinogens	0	0	0	0	0	1	0	2	0	1	2	2	1	3	0	12
Inhalants	0	0	0	0	0	0	1	0	1	1	2	2	1	0	0	8
Medical	0	0	0	0	0	0	0	3	5	5	5	3	3	7	1	32
N/A or Rule Out	7	8	3	6	15	21	17	22	24	24	34	7	17	16	0	221
Narcotic Analgesic	4	6	5	11	19	26	19	42	36	44	49	53	54	140	10	518
None Detected	0	3	2	1	3	3	3	2	2	11	8	5	8	10	0	61
Not Tested	6	1	2	1	0	0	5	1	1	2	2	12	2	3	0	38
Refusal	4	10	6	15	18	27	11	27	49	56	49	70	91	47	8	488
<b>Total</b>	<b>33</b>	<b>59</b>	<b>42</b>	<b>75</b>	<b>116</b>	<b>154</b>	<b>131</b>	<b>218</b>	<b>272</b>	<b>282</b>	<b>311</b>	<b>313</b>	<b>342</b>	<b>566</b>	<b>61</b>	<b>2975</b>

# VERMONT DUI-CANNABIS THC LEVELS

	2015	2016	2017	2018
Tox positive THC	56	73	68	163
Avg. / Mean	3.5 ng/ml	4.3 ng/ml	4.74 ng/ml	5.42 ng/ml
Highest	16 ng/ml	24 ng/ml	15 ng/ml	28 ng/ml
Lowest	0.50 ng/ml	0.52 ng/ml	0.64 ng/ml	0.53 ng/ml
Under 5 ng	43	54	40	95
Over 5 ng	13	19	28	68
Cannabis only	22	43	41	76

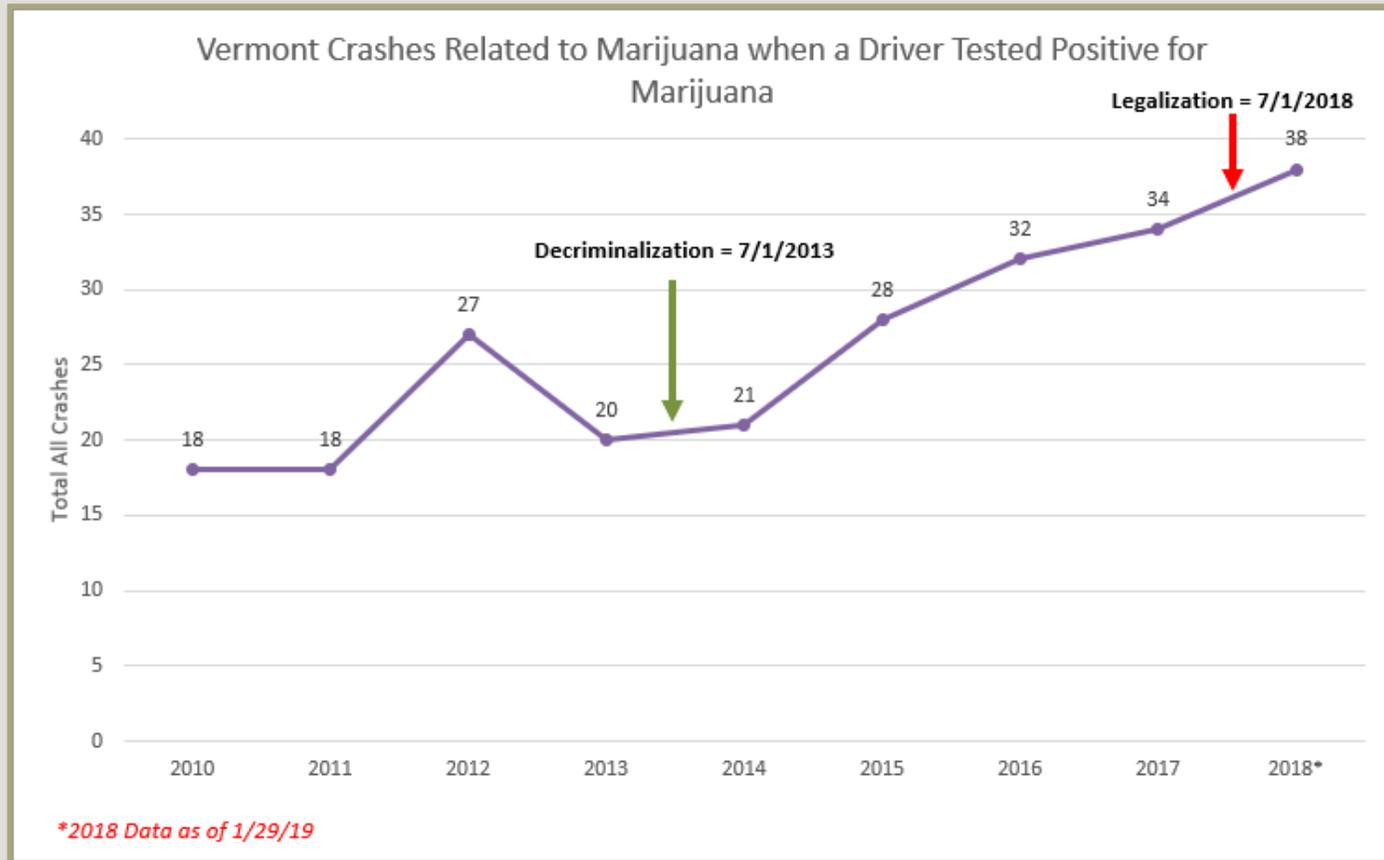
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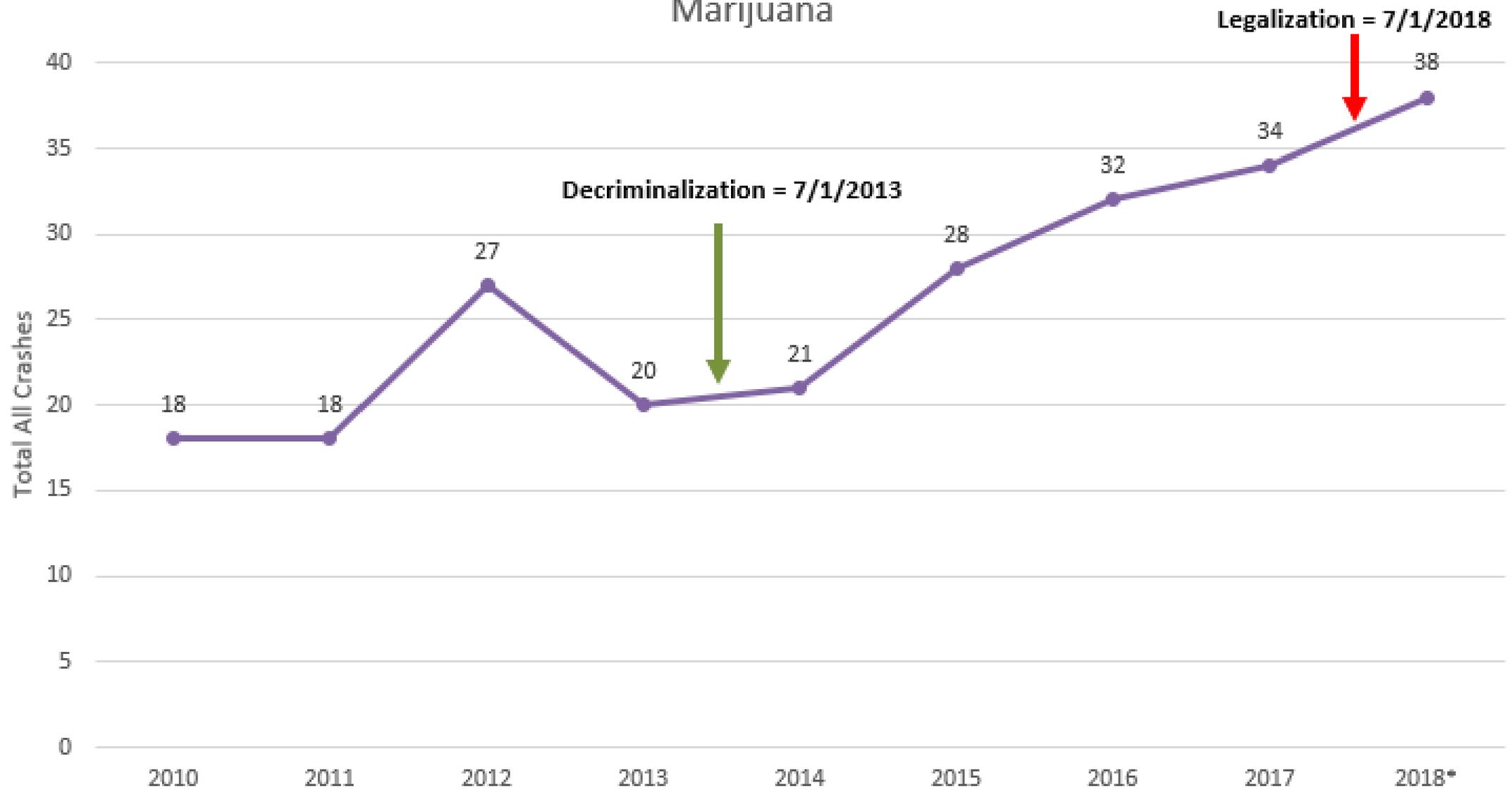
# TRENDS IN HIGHWAY CRASHES – VERMONT

<b>Crashes Where Driver Positive for Cannabis</b>				
<b>Year</b>	<b>Fatal Crashes</b>	<b>Injury Crashes</b>	<b>Property Damage Only Crashes</b>	<b>Total by Year</b>
2013	10	6	4	20
2014	8	9	4	21
2015	11	8	9	28
2016	19	7	6	32
2017	16	7	11	34
2018	14	13	14	41
<b>Total by Type</b>	<b>78</b>	<b>50</b>	<b>48</b>	<b>176</b>

# TRENDS IN HIGHWAY CRASHES — VERMONT



# Vermont Crashes Related to Marijuana when a Driver Tested Positive for Marijuana



*\*2018 Data as of 1/29/19*

# TRENDS IN CRASH FATALITIES - VERMONT

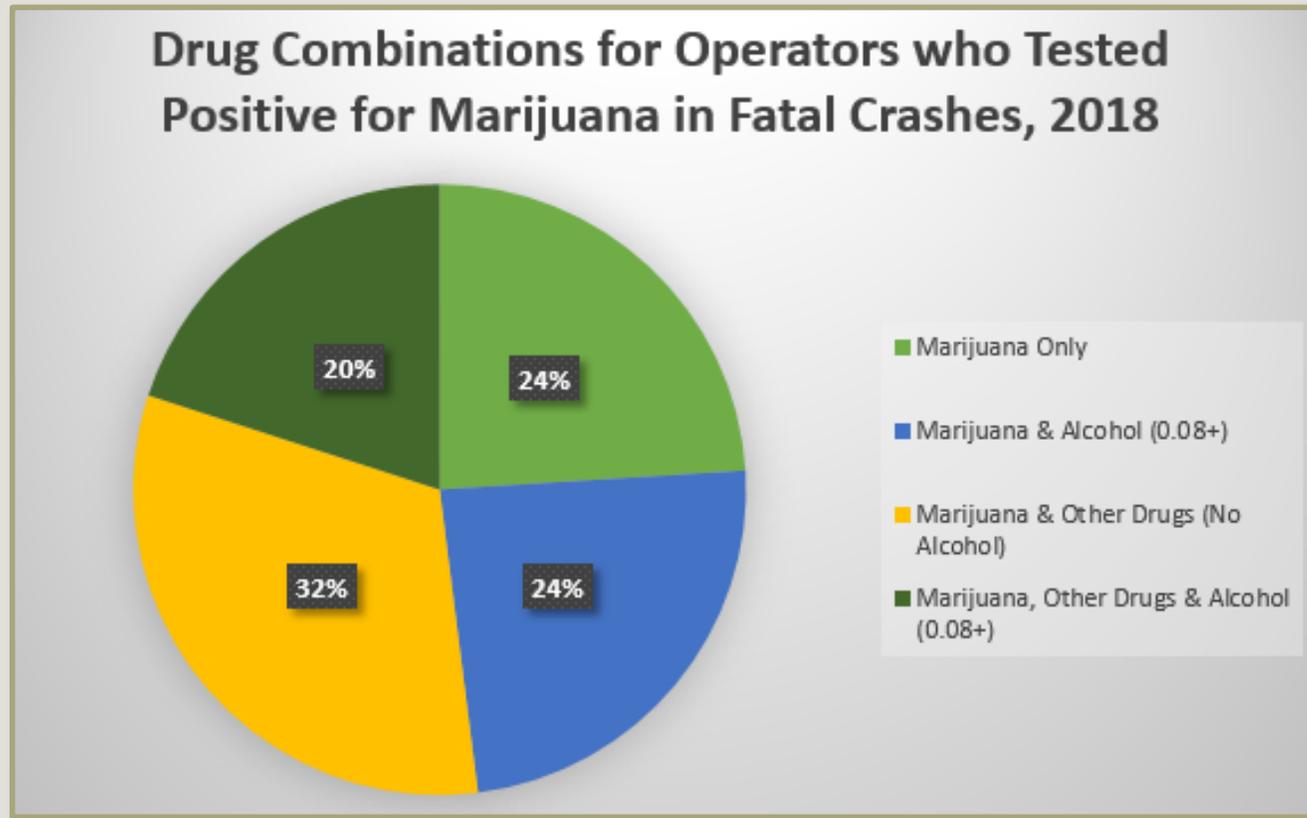
## Fatal Crashes with Impairment 2012-2018

Categories	2012	2013	2014	2015	2016	2017	2018
Alcohol Only (0.08+)	13	9	3	4	14	7	4
Alcohol (0.08+) & Delta-9 THC	4	5	0	5	7	3	6
Alcohol & Other Drugs (inc. Delta-9 THC)	6	5	3	4	3	6	5
Drug: Delta-9 THC Only	5	3	5	3	5	8	6
Drug: Other* (includes Delta-9 THC)	11	6	5	8	4	10	8
<b>Total Impaired Fatal Crashes</b>	<b>39</b>	<b>28</b>	<b>16</b>	<b>24</b>	<b>33</b>	<b>34</b>	<b>29</b>
<b>Total Fatal Crashes</b>	<b>70</b>	<b>64</b>	<b>42</b>	<b>50</b>	<b>59</b>	<b>62</b>	<b>61</b>
<b>Impaired Percentage of Fatal Crashes</b>	<b>55.7%</b>	<b>43.8%</b>	<b>38.1%</b>	<b>48.0%</b>	<b>55.9%</b>	<b>54.8%</b>	<b>47.5%</b>

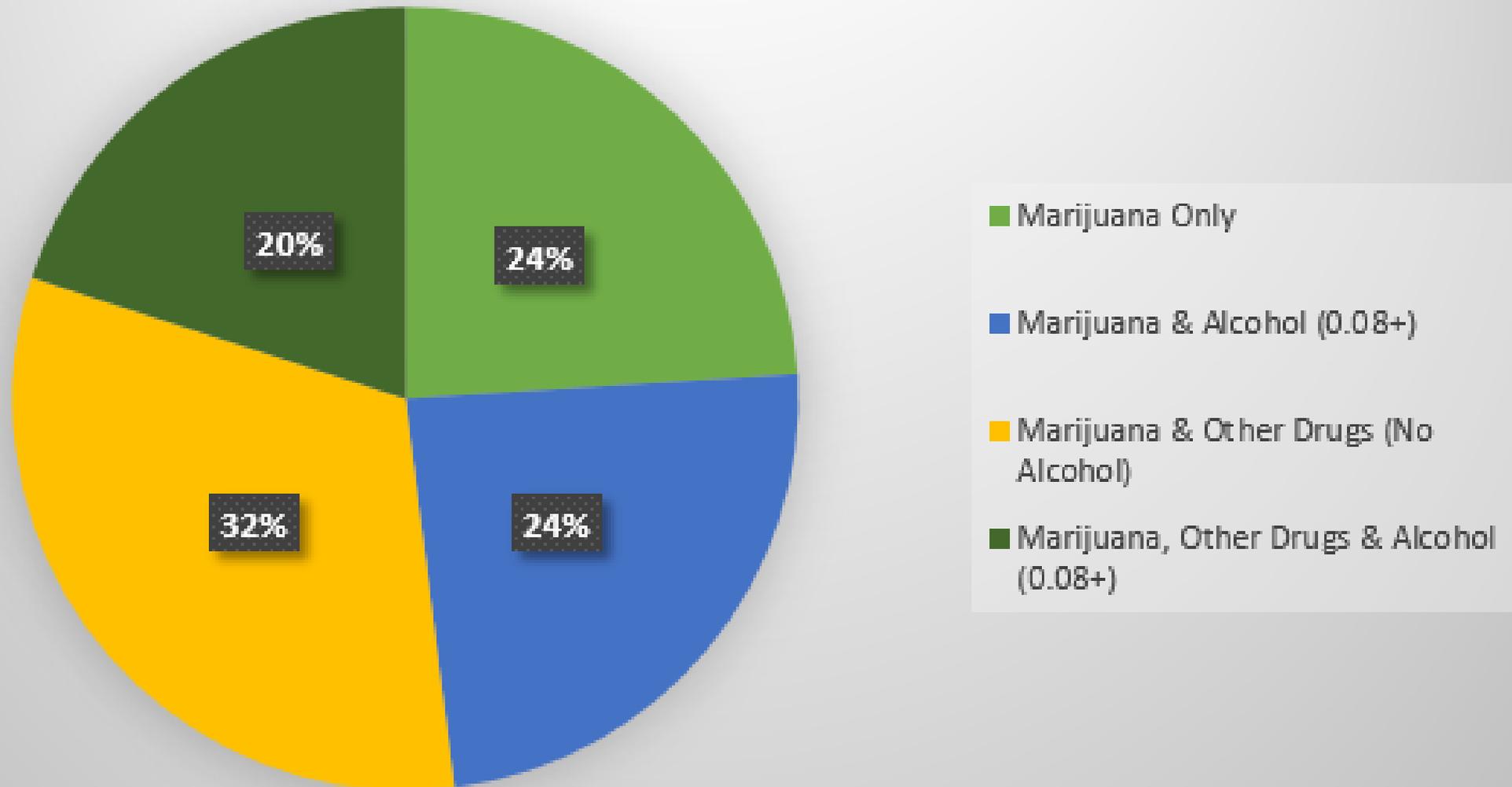
**Note: The 2018 data shows the confirmed alcohol & drug data as received by law enforcement and/ the medical examiner's office as of 1/31/19. There are still results pending.**

\*Other Drug categories include: Central Nervous System Depressants, Central Nervous System Stimulants, Hallucinogens, Dissociative Anesthetics, Narcotic Analgesics, Inhalants, & Cannabis.

# TRENDS IN CRASH FATALITIES - VERMONT

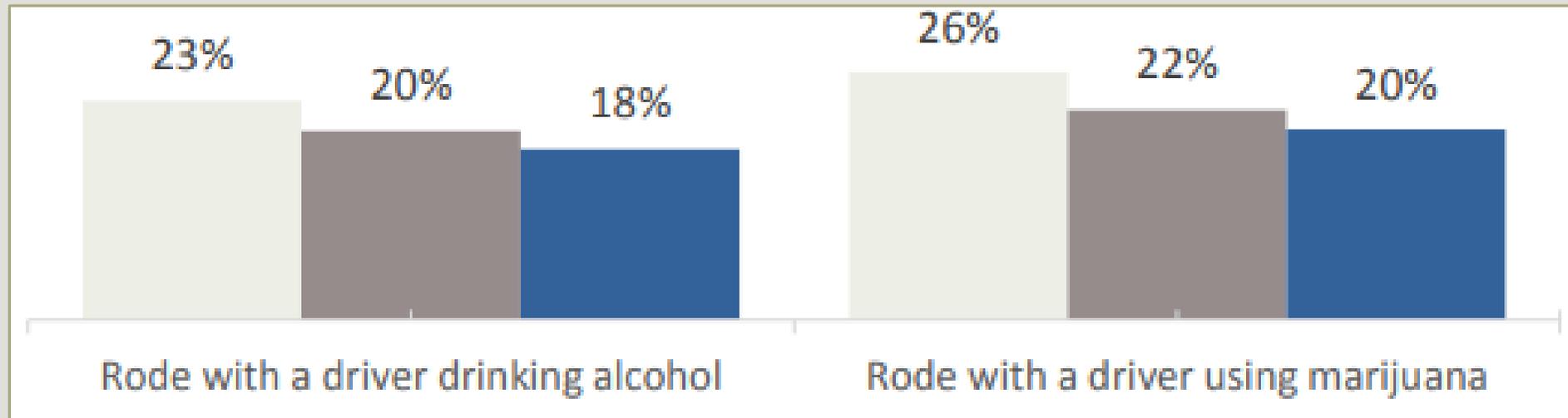


## Drug Combinations for Operators who Tested Positive for Marijuana in Fatal Crashes, 2018



# VERMONT'S YOUTH RISK BEHAVIOR SURVEY & THE PERCEPTION OF HARM

In the past 30 days...



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