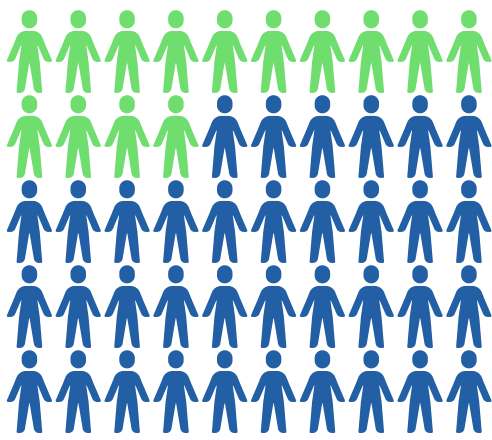


# Marijuana Makes You Dumb!



**28%**

of persons between the ages of 18-25 in the United States have used marijuana, which can diminish your cognitive capacity in the short and long term, and may affect men and women differently.

## IMMEDIATE EFFECTS:

While high, your motor functions and judgement of time are significantly diminished.

COGNITIVE TESTING POST SMOKING						
TASK	PLACEBO		ACTIVE		OVERALL F	THC
	MALES	FEMALES	MALES	FEMALES		
UFOV 1	16 (0)	16 (0)	16.4 (1.6)	16 (0)	0.96	0.94
UFOV 2	16 (0)	16.8 (3.4)	23.6 (17.1)	28.9 (32.7)	1.84	<b>4.76*</b>
UFOV 3	68.3(39.1)	63.2(19.3)	83.3 (56.4)	73.8 (21.2)	0.94	2.07
UFOV4	154.0 (64.7)	169.1 (50.1)	214.3 (77.8)	206.9 (62.6)	<b>3.54*</b>	<b>10.05**</b>
Trails B-A	29.1 (9.4)	23.7 (10.6)	42.5 (23.6)	39.9 (15.0)	<b>5.17*</b>	<b>14.75***</b>
Trails B-A*—100	2.4 (0.6)	1.9 (0.5)	2.7 (1.0)	2.6 (0.7)	<b>2.94*</b>	<b>6.20*</b>
Time Estimation	0.03 (0.46)	0.07 (0.46)	-0.44 (0.82)	-0.13 (0.58)	2.42	<b>5.05*</b>

UFOV = test that assesses speed of processing and attention

Trails = test that measures cognitive flexibility and ability to plan

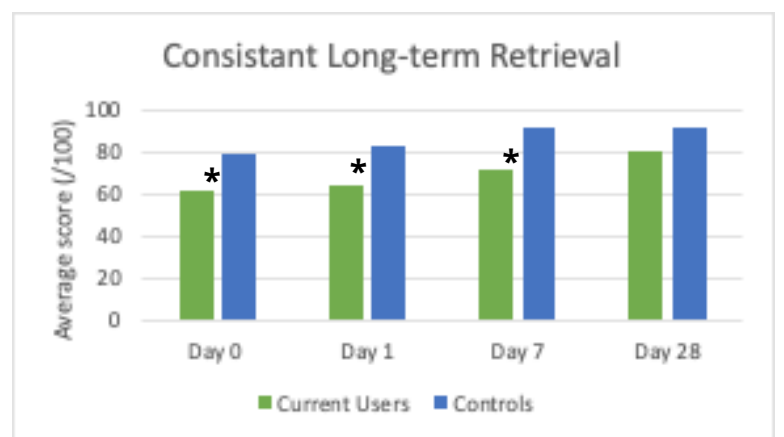
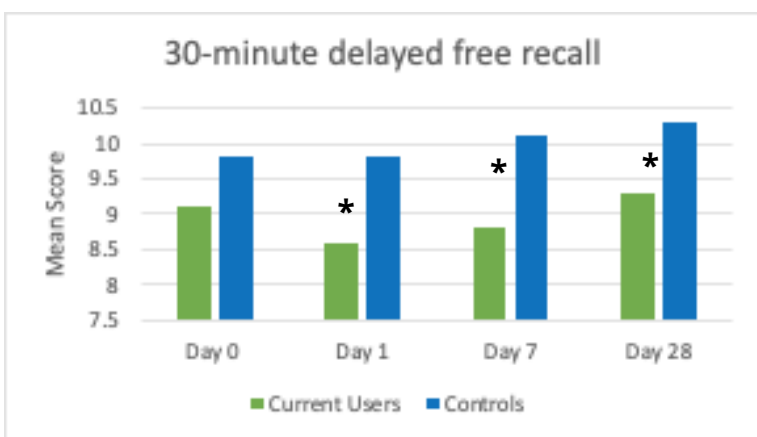
Time estimation = perception of how much time has passed

\*p < 0.05

\*\*p < 0.01

\*\*\*p < 0.001

## LONG TERM EFFECTS: users have diminished short term and long-term memory even after quitting.



\* means the results are statistically significant (p < 0.01)

## DIFFERENTIAL EFFECTS: Marijuana may make reaction time even slower in women than men in 5 different tests—though reaction time is decreased for both sexes.

