

2021 Washington Young Adult Health Survey (WYAHS) Results

Results from 2014-2021

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Introduction

This report is generated by the Center for the Study of Health and Risk Behaviors at the University of Washington. This report documents the frequencies of cannabis and other substance use behaviors, attitudes, norms, and consequences among 1,756 young adults ages 18 to 25 participating in the baseline wave of the 2021 Washington Young Adult Health Survey (i.e., the 8th overall cohort that has provided data).

This report provides key findings, distribution of demographic characteristics, and then descriptive statistics for the survey variables in 1) the full Cohort 8 (2021) sample, 2) findings provided separately by age within Cohort 8 (i.e., for those 18 to 20 years-old and those 21 to 25 years-old) and 3) in the full samples of Cohorts 1 (2014) through 8 (2021).

How to read this report

This report next provides tables showing weighted descriptive statistics first for the full sample for each of the substance use related variables that were part of the study survey. Post-stratification weights were created to make the study sample more representative of the broader young adult (age 18-25) population in Washington according to sex, race/ethnicity, and DSHS geographic region (see Technical Notes for more details). The header for each table briefly describes the variable and the number of study participants (n) that completed this variable. For certain variables related to one's substance use (e.g., where they obtained cannabis use, how they use cannabis), only those participants who reported using the substance were asked that item and, thus, sample sizes will be appreciably lower than the full sample size.

For variables with categorical response options, the weighted percentage of those who selected each option is shown along with the 95% confidence interval (CI). For variables that were continuous, the weighted mean and 95% CI are shown. For categories where there were no participants reporting that option (0%), no 95% CI is shown because it is not estimable.

The next set of tables set of tables stratifies the results by age (18-20 vs. 21-25). The table also shows the percentage in the full sample. In these tables, there will be a column for each age group with the sample size within that group that completed the item shown at the top of the column. Again, for categorical variables, weighted percentages and 95 CIs or weighted means and 95% CIs are shown, but separately by age group. Note that there was one study participant for whom age was not available. Thus, the weighted percentages for the full sample in these age-stratified tables will not be exactly the same as those reported in the tables only showing the full sample.

As supplemental analyses, we show the weighted percentage or mean for the baseline survey year for each cohort (cohort 1 in 2014 to cohort 8 in 2021). Because of the large number of results in these tables, we do not show the 95% CIs for ease of presentation. Note that some cohorts/years did not ask certain variables and, thus, there will be no data for those cohorts.

Key findings

- Cannabis was the second most commonly used substance with 51% reporting use in the past year, far surpassing the third most commonly used substance, e-cigarettes (28%).
- Alcohol was the most commonly used substance in the past year with 78% reporting any past year use.
- Nearly 8% of young adults reported at least daily use of cannabis while 2% reported daily alcohol use.
- A much higher proportion of young adults report no physical risk of occasional or regular use of cannabis relative to other substances.
- Nearly one-quarter of the sample reported being a passenger in a car when the driver used cannabis within 3 hours of driving.
- The most common method of cannabis use was smoking, followed by eating and vaping.
- Of those reporting cannabis use in the past month, nearly one-quarter reported driving in the past month while still feeling high and nearly one-third reporting driving in the past month within 3 hours of cannabis use.
- Of those reporting alcohol use in the past month, 18% reported driving after consuming alcohol.
- Of those reporting any lifetime cannabis use, about one-fifth reported that their use caused emotional or mental health problems and over one-third reported that cannabis had less effect than it used to.

Results for the 2021 sample (cohort 8)

Non-weighted and weighted distribution of demographic characteristics

Characteristics	Non-weighted %	Weighted %
Female sex	68.0	48.9
Race/ethnicity		
Asian, non-Hispanic	13.2	7.8
Black, non-Hispanic	2.1	4.1
White, non-Hispanic	58.8	67.0
American Indian/Alaska Native, non-Hispanic	0.3	0.5
Native Hawaiian/Pacific Islander, non-Hispanic	0.3	0.6
Multiracial, non-Hispanic	7.4	4.7
Other race, non-Hispanic	0.9	0.2
Hispanic, any race	17.0	15.1
DSHS geographic region		
East	18.0	25.1
Northwest	56.5	44.8
Southwest	25.5	30.1
Age		
18	10.5	11.2
19	13.1	13.9
20	14.6	14.4
21	14.2	14.3
22	12.8	12.9
23	14.8	13.9
24	13.5	13.4
25	6.7	6.1

Substance use related variables

How easy to obtain alcohol? (n = 1756)

Response	%	95% CI
Very easy	76.2	73.8, 78.5
Fairly easy	19.2	17.1, 21.4
Fairly difficult	3.1	2.2, 4.4
Very difficult	1.2	0.7, 1.8
Probably impossible	0.4	0.2, 0.9

How easy to obtain cannabis? (n = 1755)

Response	%	95% CI
Very easy	65.9	63.2, 68.4
Fairly easy	26.2	23.9, 28.7
Fairly difficult	5.4	4.2, 6.9
Very difficult	1.8	1.2, 2.7
Probably impossible	0.7	0.4, 1.3

How easy to obtain heroin? (n = 1753)

Response	%	95% CI
Very easy	2.6	1.8, 3.7
Fairly easy	14.5	12.7, 16.5
Fairly difficult	42.0	39.3, 44.7
Very difficult	32.5	30.0, 35.1
Probably impossible	8.5	7.1, 10.2

How easy to obtain pain relievers to get high? (n = 1752)

Response	%	95% CI
Very easy	15.9	14.0, 18.0
Fairly easy	41.1	38.4, 43.8
Fairly difficult	27.3	25.0, 29.8
Very difficult	12.1	10.4, 14.0
Probably impossible	3.6	2.6, 4.9

How easy to obtain nicotine and tobacco products? (n = 1755)

Response	%	95% CI
Very easy	78.6	76.3, 80.8
Fairly easy	15.8	13.9, 17.9
Fairly difficult	3.1	2.3, 4.2
Very difficult	1.7	1.1, 2.6
Probably impossible	0.8	0.4, 1.9

Perceived physical risk due if 1 or 2 drinks every day (n = 1756)

Response	%	95% CI
No risk	7.1	5.8, 8.8
Slight risk	30.0	27.5, 32.5
Moderate risk	39.1	36.4, 41.8
Great risk	22.6	20.4, 24.9
Don't know	1.3	0.7, 2.1

Perceived physical risk if 5 or more drinks once or twice each weekend (n = 1756)

Response	%	95% CI
No risk	3.4	2.5, 4.7
Slight risk	18.9	16.8, 21.2
Moderate risk	46.3	43.6, 49.1
Great risk	30.2	27.7, 32.7
Don't know	1.2	0.7, 2.1

Physical risk if smoke one or more packs per day (n = 1754)

Response	%	95% CI
No risk	2.1	1.4, 3.1
Slight risk	4.7	3.6, 6.0
Moderate risk	10.1	8.4, 11.9
Great risk	82.3	80.0, 84.3
Don't know	1.0	0.6, 1.6

Physical risk if use e-cigarettes regularly (n = 1756)

Response	%	95% CI
No risk	3.2	2.3, 4.4
Slight risk	13.7	11.7, 15.9
Moderate risk	34.3	31.8, 36.9
Great risk	47.3	44.6, 50.0
Don't know	1.6	1.0, 2.4

Physical risk if use marijuana occasionally (n = 1755)

Response	%	95% CI
No risk	34.1	31.5, 36.7
Slight risk	45.0	42.3, 47.7
Moderate risk	14.5	12.6, 16.5
Great risk	4.5	3.5, 5.8
Don't know	2.0	1.3, 3.0

Physical risk if use marijuana regularly (n = 1754)

Response	%	95% CI
No risk	10.2	8.6, 12.1
Slight risk	35.6	33.0, 38.3
Moderate risk	36.5	33.9, 39.2
Great risk	15.9	14.1, 18.0
Don't know	1.8	1.2, 2.7

Psychological risk if 1-2 drinks nearly every day (n = 1756)

Response	%	95% CI
No risk	6.0	4.7, 7.6
Slight risk	21.5	19.3, 23.9
Moderate risk	34.2	31.7, 36.9
Great risk	37.0	34.4, 39.6
Don't know	1.3	0.8, 2.1

Psychological risk if have 5 or more drinks once or twice each weekend (n = 1756)

Response	%	95% CI
No risk	3.1	2.2, 4.3
Slight risk	15.0	13.0, 17.1
Moderate risk	40.3	37.7, 43.0
Great risk	40.4	37.7, 43.1
Don't know	1.3	0.8, 2.1

Psychological risk if use marijuana occasionally (n = 1756)

Response	%	95% CI
No risk	30.2	27.7, 32.9
Slight risk	41.9	39.3, 44.7
Moderate risk	18.4	16.4, 20.6
Great risk	7.8	6.4, 9.4
Don't know	1.6	1.1, 2.5

Psychological risk if use marijuana regularly (n = 1755)

Response	%	95% CI
No risk	6.7	5.3, 8.5
Slight risk	26.9	24.5, 29.4
Moderate risk	35.3	32.7, 38.0
Great risk	29.4	27.0, 32.0
Don't know	1.7	1.1, 2.5

How acceptable for someone your age in your community to use marijuana just once or twice (n = 1754)

Response	%	95% CI
Totally acceptable	68.1	65.5, 70.6
Somewhat acceptable	20.5	18.4, 22.9
Somewhat unacceptable	5.4	4.3, 6.8
Totally unacceptable	6.0	4.8, 7.4
Totally acceptable	68.1	65.5, 70.6

How acceptable for someone your age in your community to use marijuana nearly every day (n = 1754)

Response	%	95% CI
Totally acceptable	25.5	23.2, 28.0
Somewhat acceptable	38.7	36.1, 41.5
Somewhat unacceptable	23.5	21.3, 25.9
Totally unacceptable	12.2	10.6, 14.2

How often used alcohol in past year (n = 1755)

Response	%	95% CI
Never	21.7	19.4, 24.2
Once a year	4.9	3.9, 6.2
2 to 3 times a year	15.3	13.4, 17.3
Every other month	6.9	5.7, 8.4
Once a month	6.9	5.7, 8.3
2 to 3 times a month	16.7	14.8, 18.7
Once per week	9.3	7.9, 10.9
More than once a week	13.3	11.5, 15.2
Every other day	3.0	2.2, 4.1
Every day	2.1	1.3, 3.3

How often used e-cigarettes past year (n = 1754)

Response	%	95% CI
Never	72.3	69.7, 74.7
Once a year	4.2	3.2, 5.6
2 to 3 times a year	4.4	3.5, 5.5
Every other month	3.0	2.1, 4.1
Once a month	1.3	0.9, 2.0
2 to 3 times a month	2.1	1.4, 3.1
Once per week	1.0	0.6, 1.7
More than once a week	2.9	2.0, 4.3
Every other day	1.1	0.7, 1.8
Every day	7.8	6.4, 9.4

How often use marijuana for medical purposes past year (n = 1754)

Response	%	95% CI
Never	86.5	84.5, 88.3
Once a year	1.2	0.7, 2.0
2 to 3 times a year	1.2	0.8, 1.9
Every other month	0.9	0.5, 1.5
Once a month	0.9	0.6, 1.5
2 to 3 times a month	1.6	1.0, 2.4
Once per week	0.9	0.5, 1.6
More than once a week	1.8	1.2, 2.8
Every other day	1.3	0.8, 2.0
Every day	3.8	2.8, 5.1

How often used marijuana for recreational purposes past year (n = 1753)

Response	%	95% CI
Never	48.8	46.1, 51.6
Once a year	7.1	5.9, 8.7
2 to 3 times a year	9.8	8.3, 11.5
Every other month	4.2	3.2, 5.4
Once a month	3.7	2.8, 4.8
2 to 3 times a month	4.8	3.8, 6.0
Once per week	3.2	2.4, 4.3
More than once a week	6.4	5.1, 7.9
Every other day	4.3	3.3, 5.5
Every day	7.7	6.4, 9.4

How often used synthetic marijuana past year (n = 1754)

Response	%	95% CI
Never	96.9	95.6, 97.9
Once a year	0.8	0.4, 1.5
2 to 3 times a year	0.8	0.4, 1.6
Every other month	0.2	0.1, 0.5
Once a month	0.1	0.0, 0.4
2 to 3 times a month	0.2	0.0, 0.9
Once per week	0.3	0.1, 0.8
More than once a week	0.3	0.1, 0.9
Every day	0.6	0.2, 1.7

How often used heroin past year (n = 1735)

Response	%	95% CI
Never	99.2	98.1, 99.7
Once a year	0.2	0.1, 0.6
2 to 3 times a year	0.1	0.0, 0.6
Every other month	0.1	0.0, 0.4
2 to 3 times a month	0.1	0.0, 1.0
More than once a week	0.3	0.0, 2.1
Every day	0.0	0.0, 0.1

How often used pain relievers to get high past year (n = 1756)

Response	%	95% CI
Never	96.0	94.6, 97.1
Once a year	1.6	1.0, 2.5
2 to 3 times a year	1.3	0.8, 2.1
Every other month	0.2	0.0, 0.5
Once a month	0.0	0.0, 0.1
2 to 3 times a month	0.1	0.0, 0.6
Once per week	0.1	0.0, 0.5
More than once a week	0.2	0.0, 1.3
Every other day	0.3	0.0, 2.1
Every day	0.2	0.0, 0.8

How often use methamphetamines past year (n = 1754)

Response	%	95% CI
Never	97.7	96.5, 98.5
Once a year	0.3	0.2, 0.8
2 to 3 times a year	0.7	0.3, 1.6
Every other month	0.3	0.1, 0.8
2 to 3 times a month	0.1	0.0, 0.2
More than once a week	0.1	0.0, 0.4
Every other day	0.5	0.1, 1.8
Every day	0.3	0.2, 0.8

How often use methamphetamines past year (n = 1754)

Response	%	95% CI
Never	97.7	96.5, 98.5
Once a year	0.3	0.2, 0.8
2 to 3 times a year	0.7	0.3, 1.6
Every other month	0.3	0.1, 0.8
2 to 3 times a month	0.1	0.0, 0.2
More than once a week	0.1	0.0, 0.4
Every other day	0.5	0.1, 1.8
Every day	0.3	0.2, 0.8

How often used cocaine past year (n = 1747)

Response	%	95% CI
Never	93.8	92.4, 95.0
Once a year	2.1	1.6, 2.9
2 to 3 times a year	2.0	1.4, 2.8
Every other month	0.8	0.4, 1.4
Once a month	0.2	0.1, 0.4
2 to 3 times a month	0.6	0.3, 1.4
Once per week	0.1	0.0, 0.5
More than once a week	0.1	0.0, 0.6
Every day	0.3	0.1, 2.0

How often used kratom past year (n = 1754)

Response	%	95% CI
Never	97.0	95.7, 97.9
Once a year	1.4	0.8, 2.3
2 to 3 times a year	0.5	0.2, 1.1
Every other month	0.3	0.1, 1.0
Once a month	0.2	0.1, 0.7
2 to 3 times a month	0.1	0.0, 0.5
Every other day	0.3	0.0, 2.1
Every day	0.1	0.0, 0.5

How often use hallucinogens at full dose past year (n = 1755)

Response	%	95% CI
Never	86.6	84.6, 88.3
Once a year	5.8	4.7, 7.2
2 to 3 times a year	5.2	4.2, 6.5
Every other month	1.3	0.8, 2.1
Once a month	0.5	0.2, 1.1
2 to 3 times a month	0.2	0.1, 0.5
Once per week	0.1	0.0, 0.6
More than once a week	0.3	0.0, 2.1

How often use hallucinogens microdose past year (n = 1756)

Response	%	95% CI
Never	90.7	89.1, 92.2
Once a year	3.8	2.9, 4.9
2 to 3 times a year	3.2	2.4, 4.2
Every other month	1.1	0.6, 1.7
Once a month	0.3	0.1, 0.5
2 to 3 times a month	0.3	0.1, 0.7
Once per week	0.3	0.1, 0.9
More than once a week	0.3	0.0, 2.1

How often “Juuling” past year (n = 1752)

Response	%	95% CI
Never	80.0	77.7, 82.1
Once a year	3.4	2.5, 4.5
2 to 3 times a year	4.4	3.4, 5.6
Every other month	2.0	1.4, 3.0
Once a month	0.4	0.2, 1.0
2 to 3 times a month	1.5	1.1, 2.3
Once per week	0.8	0.4, 1.4
More than once a week	1.8	1.1, 2.9
Every other day	0.8	0.5, 1.3
Every day	4.8	3.7, 6.2

Have you used the following for non-medical use in past 30 days (n = 1756)

Response	%	95% CI
Did not take any	89.8	87.8, 91.5
Used a stimulant	3.4	2.5, 4.7
Used a painkiller	1.3	0.7, 2.4
Used a tranquilizer	1.0	0.5, 2.0
used another kind of prescription drug	2.0	1.3, 3.0
Used an over-the-counter drug	4.7	3.6, 6.2

Perceived how often typical person your age uses alcohol past year (n = 1754)

Response	%	95% CI
Never	0.9	0.5, 1.6
Once a year	0.5	0.2, 1.1
2 to 3 times a year	3.0	2.2, 4.2
Every other month	2.6	1.9, 3.6
Once a month	5.1	4.0, 6.5
2 to 3 times a month	17.1	15.1, 19.2
Once per week	22.4	20.2, 24.7
More than once a week	39.0	36.3, 41.7
Every other day	7.1	5.8, 8.7
Every day	2.4	1.6, 3.6

Perceived how often typical person your age uses e-cigarettes past year (n = 1754)

Response	%	95% CI
Never	4.1	3.1, 5.3
Once a year	1.6	1.0, 2.5
2 to 3 times a year	4.6	3.6, 6.0
Every other month	3.4	2.5, 4.5
Once a month	4.7	3.7, 5.9
2 to 3 times a month	8.2	6.9, 9.7
Once per week	10.3	8.8, 12.1
More than once a week	23.2	21.0, 25.5
Every other day	12.0	10.2, 14.1
Every day	27.9	25.5, 30.5

Perceived how often typical person your age uses cigarettes past year (n = 1753)

Response	%	95% CI
Never	20.8	18.6, 23.3
Once a year	6.3	5.1, 7.7
2 to 3 times a year	12.1	10.5, 13.9
Every other month	6.6	5.3, 8.2
Once a month	9.1	7.7, 10.9
2 to 3 times a month	9.1	7.7, 10.6
Once per week	7.7	6.4, 9.2
More than once a week	13.9	12.1, 15.9
Every other day	5.3	4.2, 6.8
Every day	9.1	7.6, 10.8

Perceived how often typical person your age uses marijuana for medical purposes past year (n = 1751)

Response	%	95% CI
Never	27.9	25.5, 30.4
Once a year	5.5	4.4, 6.9
2 to 3 times a year	9.0	7.6, 10.7
Every other month	5.3	4.3, 6.7
Once a month	7.5	6.3, 9.0
2 to 3 times a month	9.6	8.2, 11.3
Once per week	9.3	7.8, 11.0
More than once a week	13.1	11.3, 15.1
Every other day	5.3	4.2, 6.7
Every day	7.5	6.2, 9.2

Perceived how often typical person uses recreational marijuana past year (n = 1753)

Response	%	95% CI
Never	1.9	1.3, 2.9
Once a year	1.2	0.7, 1.9
2 to 3 times a year	3.9	2.9, 5.1
Every other month	3.5	2.6, 4.7
Once a month	7.1	5.8, 8.6
2 to 3 times a month	14.0	12.3, 16.0
Once per week	14.1	12.3, 16.1
More than once a week	29.2	26.7, 31.7
Every other day	10.5	8.9, 12.2
Every day	14.8	12.9, 16.9

How often typical person your age uses alcohol and marijuana at the same time (n = 1753)

Response	%	95% CI
Never	4.1	3.1, 5.5
Once a year	5.0	3.9, 6.3
2 to 3 times a year	13.2	11.5, 15.2
Every other month	9.6	8.1, 11.3
Once a month	17.1	15.1, 19.2
2 to 3 times a month	20.4	18.4, 22.7
Once per week	13.2	11.5, 15.1
More than once a week	10.9	9.3, 12.7
Every other day	2.7	1.9, 4.0
Every day	3.8	2.8, 5.2

How often typical person your age driven within 3 hours after using alcohol and marijuana at the same time (n = 1752)

Response	%	95% CI
Never	10.4	8.8, 12.3
Once a year	15.9	14.0, 18.0
2 to 3 times a year	18.5	16.6, 20.7
Every other month	9.4	8.0, 11.1
Once a month	10.5	9.0, 12.3
2 to 3 times a month	13.4	11.7, 15.3
Once per week	8.4	6.9, 10.2
More than once a week	8.4	7.0, 10.1
Every other day	1.8	1.1, 2.8
Every day	3.2	2.4, 4.4

How often typical person your age been passenger in car when driver used alcohol and marijuana at same time within 3 hours (n = 1752)

Response	%	95% CI
Never	10.4	8.8, 12.2
Once a year	15.6	13.7, 17.6
2 to 3 times a year	21.0	18.9, 23.4
Every other month	9.7	8.2, 11.4
Once a month	10.9	9.3, 12.6
2 to 3 times a month	12.2	10.5, 14.0
Once per week	6.8	5.5, 8.4
More than once a week	8.5	7.0, 10.3
Every other day	2.1	1.3, 3.2
Every day	3.0	2.2, 4.1

Age at first use of substances in years

Response	%	95% CI
How old first used alcohol (n = 1489)	16.8	16.6, 17
How old first used nicotine or tobacco products (n = 516)	16.8	16.5, 17.1
How old first used cannabis (n = 1130)	17.1	17, 17.3

How long since you last used alcohol (n = 1753)

Response	%	95% CI
I have never used	16.9	14.9, 19.2
Within the past 30 days	56.9	54.2, 59.6
More than 30 days ago, but within past 12 months	19.9	17.8, 22.3
More than 12 months ago	6.3	5.0, 7.8

How long since you last used e-cigarettes (n = 1749)

Response	%	95% CI
I have never used	59.5	56.8, 62.2
Within the past 30 days	16.9	15.0, 19.0
More than 30 days ago, but within past 12 months	9.2	7.7, 10.9
More than 12 months ago	14.4	12.4, 16.6

How long since you last used tobacco (n = 1752)

Response	%	95% CI
I have never used	69.0	66.3, 71.6
Within the past 30 days	8.4	6.9, 10.2
More than 30 days ago, but within past 12 months	9.2	7.7, 10.9
More than 12 months ago	13.5	11.6, 15.5

How long since you last used cannabis (n = 1752)

Response	%	95% CI
I have never used	38.1	35.5, 40.9
Within the past 30 days	33.7	31.1, 36.3
More than 30 days ago, but within past 12 months	16.4	14.5, 18.5
More than 12 months ago	11.8	10.2, 13.7

Related to cannabis, which are you most likely to do in next 12 months (n = 1750)

Response	%	95% CI
Not use it	45.9	43.1, 48.6
Try it	7.1	5.8, 8.6
Use it about as often as I do now	28.1	25.7, 30.6
Use it more often than I do now	5.2	3.9, 6.9
Use it loess often than I do now	9.6	8.2, 11.2
Don't know	4.2	3.3, 5.3

How many times been a passenger in car when driver had too much to drink in past 30 days (n = 1750)

Response	%	95% CI
0 times	88.8	86.9, 90.6
1 time	6.6	5.4, 8.0
2-3 times	3.0	2.0, 4.3
4-5 times	0.9	0.4, 2.0
6 or more times	0.7	0.3, 1.7

How many times been a passenger in car when driver used cannabis within 3 hours of driving in past 30 days (n = 1750)

Response	%	95% CI
0 times	76.9	74.4, 79.3
1 time	9.5	8.0, 11.3
2-3 times	7.9	6.5, 9.6
4-5 times	1.9	1.3, 2.6
6 or more times	3.8	2.7, 5.3

How many times been a passenger in car when driver used alcohol and cannabis at the same time within three hours of driving in past 30 days (n = 1750)

Response	%	95% CI
0 times	93.8	92.2, 95.2
1 time	2.6	1.9, 3.6
2-3 times	1.8	1.1, 2.9
4-5 times	0.6	0.3, 1.2
6 or more times	1.2	0.5, 2.5

Have card that allows possession of medical marijuana (n = 899)

Response	%	95% CI
No	96.0	93.7, 97.5
Yes	4.0	2.5, 6.3

During past 30 days in injected any drug (n = 1743)

Response	%	95% CI
No	98.9	98.1, 99.3
Yes	1.1	0.7, 1.9

When use marijuana, how high do you usually get (n = 903)

Response	%	95% CI
Not at all	4.1	2.9, 5.8
A little	29.2	25.9, 32.7
Moderately	51.8	48.0, 55.7
Very	14.9	12.1, 18.2

How long usually stay high on typical day of cannabis use (n = 902)

Response	%	95% CI
usually don't get high	5.5	4.1, 7.5
less than 1 hour	6.4	4.8, 8.5
1-2 hours	30.9	27.5, 34.5
3-4 hours	39.6	36.0, 43.4
5-6 hours	11.9	9.5, 14.8
7-8 hours	2.7	1.6, 4.4
9-10 hours	0.3	0.1, 0.9
11-12 hours	0.9	0.4, 2.1
13-18 hours	0.3	0.1, 0.8
19-24 hours	1.5	0.6, 3.8

How frequency of cannabis use has changed over last year (n = 901)

Response	%	95% CI
Declined sharply	19.7	16.9, 23.0
Down a little	15.1	12.6, 18.0
About the same	23.8	20.7, 27.3
Up a little	20.7	17.9, 23.8
Up sharply	20.7	17.6, 24.1

How has your cannabis use affected amount of alcohol use (n = 903)

Response	%	95% CI
Led to less alcohol use	34.0	30.5, 37.6
Led to more alcohol use	5.7	4.0, 8.0
No effect	52.9	49.1, 56.7
Don't know	7.4	5.7, 9.6

Days of use in past 30 days

Response	%	95% CI
During past 30 days, how many days used alcohol (n = 1477)	5.0	4.6, 5.4
During past 30 days, how many days used marijuana (n = 901)	9.8	8.9, 10.6

How obtained cannabis (n = 664)

Response	%	95% CI
Bought from retail store using fake ID	3.5	1.9, 6.3
Bought from retail store not using fake ID	49.3	44.8, 53.8
Got it from medical dispensary	14.4	11.1, 18.5
Gave money to someone	16.7	13.4, 20.5
Stole it from store	1.1	0.3, 4.8
Got it from parents with their permission	7.9	5.6, 11.0
Took it from parents without their permission	1.4	0.4, 4.6
Got it from other family member	6.1	4.4, 8.2
Got it from friends	39.9	35.6, 44.3
Got it at a party	13.1	10.3, 16.6
Got it from someone with medical marijuana card	2.0	1.0, 3.8
Grew it myself	1.3	0.5, 3.7
Got it some other way	3.5	2.2, 5.8

Preferred method of cannabis use (n = 664)

Response	%	95% CI
Smoked it	44.0	39.6, 48.5
Ate it	28.4	24.5, 32.7
Drank it	0.8	0.4, 1.8
Vaporized it	20.2	16.9, 24.1
Dabbing	5.6	3.7, 8.4
Other way	1.0	0.4, 2.4

In past 30 days, how much marijuana used on average day when used (n = 662)

Response	%	95% CI
<.5 grams	47.7	43.3, 52.2
.5 grams	22.6	19.0, 26.6
1 gram	13.4	10.4, 17.0
2 gram	6.6	4.7, 9.1
3 grams	3.1	1.6, 6.0
4 grams	1.8	0.8, 3.8
5 grams	0.9	0.5, 1.9
>5 grams	4.0	2.3, 6.8

During past 30 days, problems with emotions or mental health caused by cannabis use (n = 664)

Response	%	95% CI
No	75.6	71.5, 79.2
Yes	14.3	11.5, 17.7
Not sure	10.1	7.7, 13.2

During past 30 days, problems with physical health caused by cannabis use (n = 664)

Response	%	95% CI
No	85.2	81.2, 88.4
Yes	9.3	6.8, 12.7
Not sure	5.5	3.5, 8.5

How many times had munchies during the past 30 days due to marijuana use (n = 663)

Response	%	95% CI
0 times	14.5	11.5, 18.2
1-2 times	26.9	23.2, 30.9
3-5 times	25.1	21.3, 29.4
6-10 times	12.3	9.8, 15.2
More than 10 times	21.2	17.7, 25.2

How many times had trouble sleeping during past 30 days due to marijuana use (n = 663)

Response	%	95% CI
0 times	75.6	71.2, 79.4
1-2 times	16.7	13.4, 20.8
3-5 times	3.3	2.1, 5.2
6-10 times	2.1	1.0, 4.1
More than 10 times	2.3	1.3, 4.3

How many times had low motivation during past 30 days due to marijuana use (n = 663)

Response	%	95% CI
0 times	44.1	39.6, 48.6
1-2 times	29.9	26.1, 34.1
3-5 times	15.8	12.7, 19.4
6-10 times	6.6	4.5, 9.6
More than 10 times	3.6	2.3, 5.6

How many times had trouble concentrating during the past 30 days due to marijuana use (n = 662)

Response	%	95% CI
0 times	31.4	27.4, 35.7
1-2 times	38.5	34.2, 43.0
3-5 times	17.3	14.2, 20.8
6-10 times	7.5	5.2, 10.5
More than 10 times	5.4	3.7, 7.8

How many times had trouble remembering things during the past 30 days due to marijuana use (n = 663)

Response	%	95% CI
0 times	36.9	32.7, 41.2
1-2 times	30.9	27.0, 35.2
3-5 times	17.1	13.8, 21.1
6-10 times	7.4	5.4, 10.2
More than 10 times	7.7	5.4, 10.8

How many times drive after using cannabis while still feeling high during the past 30 days (n = 662)

Response	%	95% CI
0 times	77.2	72.7, 81.0
1 time	7.9	5.8, 10.7
2-3 times	7.5	5.2, 10.6
4-5 times	3.2	1.7, 5.9
6 or more times	4.4	2.6, 7.3

How many times drive after using cannabis within 3 hours of use during the past 30 days (n = 662)

Response	%	95% CI
0 times	66.4	61.8, 70.7
1 time	10.3	7.9, 13.2
2-3 times	10.5	7.7, 14.2
4-5 times	4.4	2.9, 6.7
6 or more times	8.5	6.0, 11.8

How many times used alcohol and cannabis at the same time during past 30 days (n = 660)

Response	%	95% CI
0 times	48.5	44.0, 53.1
1 time	23.5	19.9, 27.5
2-3 times	17.5	14.4, 21.1
4-5 times	6.5	4.4, 9.5
6 or more times	4.0	2.6, 6.1

How many times driven a car within 3 hours of using alcohol and cannabis at same time during past 30 days (n = 660)

Response	%	95% CI
0 times	91.8	88.4, 94.3
1 time	3.5	2.1, 5.8
2-3 times	3.5	1.8, 6.6
4-5 times	0.4	0.1, 1.1
6 or more times	0.8	0.3, 2.2

Month or more when spent a lot of time getting, using, or getting over effects of marijuana (n = 900)

Response	%	95% CI
No	76.8	73.2, 80.0
Yes	23.2	20.0, 26.8

Tried to set limits on how much marijuana used (n = 899)

Response	%	95% CI
No	52.7	48.9, 56.6
Yes	47.3	43.4, 51.1

Using same amount of marijuana had less effect (n = 899)

Response	%	95% CI
No	65.6	61.9, 69.2
Yes	34.4	30.8, 38.2

Want or try to cut down or stop using marijuana (n = 898)

Response	%	95% CI
No	61.5	57.7, 65.2
Yes	38.5	34.8, 42.3

Any problems with emotions or mental health caused by marijuana use (n = 900)

Response	%	95% CI
No	79.6	76.3, 82.6
Yes	20.4	17.4, 23.7

Physical health problems caused by marijuana use (n = 898)

Response	%	95% CI
No	91.0	88.3, 93.1
Yes	9.0	6.9, 11.7

Able to keep to limits set on marijuana use during past 12 months (n = 431)

Response	%	95% CI
usually kept to limits	80.0	75.3, 84.0
often used more than intended	18.2	14.4, 22.8
don't know	1.8	0.9, 3.5

Able to cut down or stop using marijuana every time tried during past 12 months (n = 337)

Response	%	95% CI
No	24.1	18.9, 30.3
Yes	75.9	69.7, 81.1

Continue to use marijuana though causing physical or emotional problems during past 12 months (n = 219)

Response	%	95% CI
No	44.9	37.1, 52.9
Yes	55.1	47.1, 62.9

Alcohol use on drinking occasions

Response	%	95% CI
Number of drinks on occasion when drank the most during past 30 days (n = 1103)	5.0	4.7, 5.3
Number of drinks during typical drinking occasion during past 30 days (n = 1104)	2.5	2.4, 2.7

Problems with emotions or mental health caused by alcohol use during past 30 days (n = 1104)

Response	%	95% CI
No	80.3	77.6, 82.8
Yes	11.8	9.9, 13.9
Not sure	7.9	6.2, 10.0

Problems with physical health caused by alcohol use during past 30 days (n = 1104)

Response	%	95% CI
No	82.5	79.8, 85.0
Yes	11.7	9.8, 14.0
Not sure	5.7	4.3, 7.7

Number of times drive a car after consuming alcohol during past 30 days (n = 1104)

Response	%	95% CI
0 times	81.7	78.7, 84.3
1 time	9.6	7.8, 11.8
2-3 times	6.8	5.3, 8.8
4-5 times	1.2	0.5, 3.1
6 or more times	0.7	0.3, 1.8

Cigarette use (n = 264)

Response	%	95% CI
Number of days smoked cigarettes during past 30 days	3.8	2.7, 4.8
Number of cigarettes smoked on typical smoking day	1.8	1.2, 2.4
Number of days used electronic cigarettes during past 30 days	10.7	8.9, 12.0

Visit a doctor or health care provider for any reason in past year (n = 1741)

Response	%	95% CI
No	29.4	26.9, 32.1
Yes	70.6	67.9, 73.1

Age-stratified results

Unless noted otherwise, the numbers in the tables reflect the percentage of those within the age group (<21, 21+) who reported that category. The 95% confidence interval is reported below the percentage in parentheses.

How easy to obtain alcohol?

Response	<21	21+	Total
	n=670	n=1085	
Very easy	53 (48.53,57.42)	91.24 (89.15,92.97)	76.16 (73.74,78.43)
Fairly easy	37.67 (33.49,42.05)	7.19 (5.65,9.11)	19.21 (17.16,21.44)
Fairly difficult	6.45 (4.38,9.39)	0.93 (0.43,2.03)	3.11 (2.19,4.39)
Very difficult	2.24 (1.29,3.85)	0.44 (0.18,1.07)	1.15 (0.72,1.83)
Probably impossible	0.64 (0.22,1.86)	0.2 (0.00,0.79)	0.37 (0.16,0.87)

How easy to obtain cannabis?

Response	<21	21+	Total
	n=669	n=1085	
Very easy	48.14 (43.7,52.61)	77.46 (74.41,80.23)	65.92 (63.27,68.47)
Fairly easy	37.43 (33.24,41.81)	18.98 (16.43,21.83)	26.24 (23.91,28.71)
Fairly difficult	10.38 (7.92,13.49)	2.22 (1.29,3.78)	5.43 (4.25,6.91)
Very difficult	3.09 (1.86,5.08)	0.8 (0.39,1.67)	1.7 (1.12,2.58)
Probably impossible	0.97 (0.41,2.26)	0.54 (0.23,1.25)	0.71 (0.39,1.29)

How easy to obtain heroin?

Response	<21	21+	Total
	n=670	n=1082	
Very easy	2.74 (1.44,5.18)	2.26 (1.46,3.48)	2.45 (1.68,3.56)
Fairly easy	9.02 (6.74,11.96)	18.14 (15.68,20.9)	14.53 (.1274,.1653)
Fairly difficult	34.67 (30.55,39.04)	46.79 (43.34,50.28)	42 (39.31,44.73)
Very difficult	41.19 (36.9,45.61)	26.82 (23.86,30.01)	32.5 (29.99,35.12)
Probably impossible	12.38 (9.72,15.65)	5.98 (4.48,7.94)	8.51 (7.07,10.22)

How easy to obtain pain relievers to get high?

Response	<21	21+	Total
	n=669	n=1082	
Very easy	18.32 (15.2,21.92)	14.22 (11.89,16.91)	15.84 (13.93,17.95)
Fairly easy	36.53 (32.31,40.98)	44.12 (40.72,47.59)	41.12 (38.46,43.85)
Fairly difficult	26.75 (23.07,30.79)	27.73 (24.71,30.96)	27.34 (24.98,29.84)
Very difficult	13.29 (10.54,16.63)	11.34 (9.31,13.75)	12.11 (10.42,14.03)
Probably impossible	5.1 (03.26,7.9)	2.59 (1.64,4.08)	3.59 (2.6,4.93)

How easy to obtain nicotine and tobacco products?

Response	<21	21+	Total
	n=670	n=1084	
Very easy	64.6 (60,24,68.74)	87.71 (85.27,89.8)	78.59 (76.25,80.76)
Fairly easy	25.92 (22.28,29.91)	9.2 (7.37,11.42)	15.8 (13.92,17.88)
Fairly difficult	5.05 (3.47,7.3)	1.84 (1.12,2.99)	3.11 (2.31,4.17)
Very difficult	2.84 (1.67,4.77)	0.91 (0.44,1.88)	1.67 (1.09,2.56)
Probably impossible	1.59 (0.56,4.43)	0.34 (0.14,0.8)	0.83 (0.37,1.87)

Perceived physical risk due if 1 or 2 drinks every day

Response	<21	21+	Total
	n=670	n=1085	
No risk	5.8 (4.01,8.32)	7.86 (6.04,10.15)	7.04 (5.69,.0869)
Slight risk	27.73 (23.88,31.94)	31.5 (28.4,34.77)	30.01 (27.57,32.57)
Moderate risk	40.13 (35.82,44.6)	38.41 (35.09,41.84)	39.09 (36.44,41.8)
Great risk	25.56 (21.95,29.53)	20.68 (18.04,23.61)	22.6 (20.43,24.94)
Don't know	0.79 (0.32,1.97)	1.56 (0.82,2.94)	1.25 (0.74,2.13)

Perceived physical risk if 5 or more drinks once or twice each weekend

Response	<21 n=670	21+ n=1085	Total
No risk	3.29 (1.92,5.58)	3.36 (2.27,4.95)	3.34 (2.43,4.56)
Slight risk	19.77 (16.42,23.61)	18.34 (15.71,21.29)	18.9 (16.8,21.21)
Moderate risk	46.88 (42.45,51.35)	46.05 (42.62,49.52)	46.38 (43.66,49.12)
Great risk	29.11 (25.31,33.23)	30.88 (27.8,34.15)	30.18 (27.76,32.72)
Don't know	0.95 (0.43,2.1)	1.36 (0.67,2.76)	1.2 (0.69,2.07)

Physical risk if smoke one or more packs per day

Response	<21 n=670	21+ n=1083	Total
No risk	1.23 (0.51,2.93)	2.45 (1.52,3.94)	1.97 (1.29,2.99)
Slight risk	3.09 (1.94,4.88)	5.69 (4.23,7.62)	4.66 (3.63,5.98)
Moderate risk	11.38 (8.6,14.93)	9.21 (7.38,11.44)	10.07 (8.45,11.96)
Great risk	83.49 (79.67,86.71)	81.57 (78.65,84.17)	82.33 (80.05,84.4)
Don't know	0.81 (0.36,1.83)	1.07 (0.54,2.12)	0.97 (0.57,1.65)

Physical risk if use e-cigarettes regularly

Response	<21 n=670	21+ n=1085	Total
No risk	2.13 (1.1,4.1)	3.74 (2.58,5.4)	3.11 (2.25,4.29)
Slight risk	14 (10.93,17.77)	13.46 (11.07,16.26)	13.67 (11.74,15.87)
Moderate risk	33.62 (29.56,37.94)	34.78 (31.56,38.14)	34.32 (31.78,36.96)
Great risk	48.84 (44.78,52.9)	46.35 (42.29,50.41)	47.33 (43.27,51.39)
Don't know	1.4 (0.7,2.77)	1.68 (0.98,2.87)	1.57 (1.02,2.39)

Physical risk if use marijuana occasionally

Response	<21	21+	Total
	n=670	n=1084	
No risk	31.64 (27.62,35.95)	35.69 (32.41,39.11)	34.09 (31.52,36.75)
Slight risk	44.45 (40.08,48.91)	45.36 (41.93,48.83)	45 (42.3,47.74)
Moderate risk	17.58 (14.35,21.36)	12.45 (10.35,14.91)	14.47 (12.63,16.54)
Great risk	3.92 (2.6,5.86)	4.77 (3.44,6.59)	4.43 (3.43,5.72)
Don't know	2.41 (1.34,4.31)	1.73 (1.01,2.93)	2 (1.34,2.96)

Physical risk if use marijuana regularly

Response	<21	21+	Total
	n=670	n=1085	
No risk	8.62 (6.24,11.8)	11.24 (9.2,13.65)	10.21 (8.61,12.06)
Slight risk	33.75 (29.67,38.09)	36.85 (33.56,40.27)	35.63 (33.04,38.3)
Moderate risk	38.7 (34.44,43.15)	35.1 (31.88,38.46)	36.52 (33.93,39.2)
Great risk	17.07 (14.12,20.48)	15.05 (12.71,17.73)	15.84 (13.97,17.91)
Don't know	1.85 (0.98,3.48)	1.77 (1.05,2.97)	1.8 (1.2,2.69)

Psychological risk if 1-2 drinks nearly every day

Response	<21	21+	Total
	n=670	n=1085	
No risk	4.01 (2.53,6.32)	7.35 (5.55,9.67)	6.03 (4.74,7.64)
Slight risk	20.24 (16.85,24.13)	22.2 (19.46,25.21)	21.43 (19.26,23.77)
Moderate risk	31.3 (27.32,35.57)	36.16 (32.9,39.56)	34.25 (31.7,36.89)
Great risk	43.11 (38.77,47.56)	33.02 (29.88,36.33)	37 (34.41,39.67)
Don't know	1.34 (0.56,3.14)	1.26 (0.68,2.34)	1.29 (0.78,2.14)

Psychological risk if have 5 or more drinks once or twice each weekend

Response	<21 n=670	21+ n=1085	Total
No risk	2.71 (1.52,4.79)	3.34 (2.23,4.97)	3.09 (2.22,4.29)
Slight risk	15.91 (12.89,19.49)	14.18 (11.77,17)	14.86 (12.93,17.03)
Moderate risk	40.48 (36.15,44.97)	40.27 (36.94,43.7)	40.36 (37.7,43.07)
Great risk	39.53 (35.31,43.91)	41 (37.65,44.43)	40.42 (37.78,43.12)
Don't know	1.37 (0.64,2.89)	1.21 (0.64,2.27)	1.27 (0.78,2.06)

Psychological risk if use marijuana occasionally

Response	<21 n=670	21+ n=1085	Total
No risk	28.07 (24.16,32.34)	31.69 (28.47,35.1)	30.26 (27.74,32.91)
Slight risk	40.25 (35.98,44.66)	43.11 (39.74,46.55)	41.98 (39.32,44.69)
Moderate risk	21.21 (17.85,25.02)	16.66 (14.25,19.39)	18.46 (16.45,20.65)
Great risk	8.84 (6.52,11.88)	6.91 (5.33,8.9)	7.67 (6.3,9.31)
Don't know	1.63 (0.83,3.18)	1.62 (0.96,2.73)	1.63 (1.08,2.45)

Psychological risk if use marijuana regularly

Response	<21 n=669	21+ n=1085	Total
No risk	5.07 (3.18,7.98)	7.81 (5.98,10.13)	6.73 (5.33,8.46)
Slight risk	25.68 (22.04,29.69)	27.71 (24.7,30.94)	26.91 (24.56,29.4)
Moderate risk	36.31 (32.07,40.78)	34.72 (31.54,38.04)	35.35 (32.77,38.01)
Great risk	31.49 (27.6,35.66)	27.97 (24.95,31.2)	29.36 (26.95,31.89)
Don't know	1.45 (0.69,3.03)	1.79 (1.09,2.93)	1.66 (1.09,2.5)

Psychological risk if use marijuana regularly

Response	<21	21+	Total
	n=669	n=1085	
No risk	5.07 (3.18,7.98)	7.81 (5.98,10.13)	6.73 (5.33,8.46)
Slight risk	25.68 (22.04,29.69)	27.71 (24.7,30.94)	26.91 (24.56,29.4)
Moderate risk	36.31 (32.07,40.78)	34.72 (31.54,38.04)	35.35 (32.77,38.01)
Great risk	31.49 (27.6,35.66)	27.97 (24.95,31.2)	29.36 (26.95,31.89)
Don't know	1.45 (0.69,3.03)	1.79 (1.09,2.93)	1.66 (1.09,2.5)

How acceptable for someone your age in your community to use marijuana just once or twice

Response	<21	21+	Total
	n=670	n=1083	
Totally acceptable	56.4 (51.94,60.75)	75.8 (72.67,78.67)	68.13 (65.52,70.64)
Somewhat acceptable	27.41 (23.67,31.5)	16.09 (13.66,18.86)	20.56 (18.43,22.87)
Somewhat unacceptable	8.84 (6.65,11.67)	3.21 (2.19,4.67)	5.43 (4.32,6.81)
Totally unacceptable	7.35 (5.28,10.15)	4.91 (3.6,6.66)	5.87 (4.68,7.34)

How acceptable for someone your age in your community to use marijuana nearly every day

Response	<21	21+	Total
	n=669	n=1084	
Totally acceptable	18.59 (15.21,22.53)	30.1 (27.01,33.37)	25.56 (23.22,28.05)
Somewhat acceptable	36.19 (32.02,40.59)	40.47 (37.09,43.94)	38.78 (36.14,41.5)
Somewhat unacceptable	27.45 (23.73,31.51)	20.94 (18.28,23.87)	23.51 (21.29,25.87)
Totally unacceptable	17.77 (14.63,21.41)	8.49 (6.76,10.62)	12.15 (10.47,14.05)

How acceptable for someone your age in your community to use marijuana nearly every day

Response	<21	21+	Total
	n=669	n=1084	
Totally acceptable	18.59	30.1	25.56
	(15.21,22.53)	(27.01,33.37)	(23.22,28.05)
Somewhat acceptable	36.19	40.47	38.78
	(32.02,40.59)	(37.09,43.94)	(36.14,41.5)
Somewhat unacceptable	27.45	20.94	23.51
	(23.73,31.51)	(18.28,23.87)	(21.29,25.87)
Totally unacceptable	17.77	8.49	12.15
	(14.63,21.41)	(6.76,10.62)	(10.47,14.05)

How often use alcohol in past year

Response	<21	21+	Total
	n=669	n=1085	
Never	33.91	13.82	21.74
	(29.7,38.39)	(11.46,16.58)	(19.44,24.22)
Once a year	9.07	2.24	4.93
	(6.88,11.87)	(1.42,3.51)	(3.89,6.23)
2 to 3 times a year	18.37	13.26	15.27
	(15.24,21.97)	(11.01,15.88)	(13.39,17.35)
Every other month	6.85	6.99	6.93
	(4.95,9.4)	(5.44,8.95)	(5.69,8.43)
Once a month	5.98	7.49	6.9
	(4.36,8.15)	(5.91,9.46)	(5.71,8.32)
2 to 3 times a month	13.69	18.59	16.66
	(11.04,16.86)	(16.11,21.36)	(14.79,18.72)
Once per week	4.15	12.66	9.31
	(2.76,6.2)	(10.61,15.05)	(7.9,10.94)
More than once a week	5.91	18.04	13.26
	(.0413,.0838)	(.1555,.2083)	(.1154,.152)
Every other day	0.56	4.6	3.01
	(0.21,1.47)	(3.27,6.42)	(2.17,4.15)
Every day	1.52	2.3	1.99
	(0.48,4.7)	(1.43,3.69)	(1.23,3.21)

How often use e-cigarettes

Response	<21	21+	Total
	n=669	n=1084	
Never	73.31 (69.21,77.04)	71.53 (68.22,74.62)	72.23 (69.68,74.64)
Once a year	4.05 (2.61,6.23)	4.3 (2.96,6.22)	4.2 (3.16,5.57)
2 to 3 times a year	4.12 (2/83,5.96)	4.61 (3.47,6.1)	4.42 (3.53,5.53)
Every other month	3.77 (2.38,5.92)	2.48 (1.54,3.98)	2.99 (2.14,4.15)
Once a month	0.88 (0.41,1.88)	1.57 (0.94,2.63)	1.3 (0.85,2)
2 to 3 times a month	2.55 (1.45,4.45)	1.77 (1.03,3.01)	2.08 (1.41,3.05)
Once per week	0.97 (0.46,2)	0.96 (0.45,2.05)	0.96 (0.56,1.66)
More than once a week	2.02 (0.88,4.58)	3.53 (2.33,5.31)	2.93 (2.01,4.26)
Every other day	0.67 (0.31,1.45)	1.39 (0.79,2.43)	1.11 (0.69,1.76)
Every day	7.67 (5.66,10.32)	7.86 (6.16,9.97)	7.78 (6.44,9.38)

How often use cigarettes

Response	<21	21+	Total
	n=665	n=1080	
Never	87.24 (83.84,90.01)	80.43 (77.44,83.11)	83.11 (80.89,85.12)
Once a year	2.16 (1.33,3.48)	5.97 (4.51,7.86)	4.47 (3.5,5.7)
2 to 3 times a year	4.02 (2.6,6.17)	4.04 (2.85,5.69)	4.03 (3.07,5.27)
Every other month	0.61 (0.22,1.67)	1.77 (1,3.11)	1.31 (0.8,2.16)
Once a month	1.31 (0.6,2.84)	1.91 (1.16,3.14)	1.67 (1.1,2.55)
2 to 3 times a month	1.71 (0.92,3.15)	2.32 (1.41,3.81)	2.08 (1.4,3.07)
Once per week	0.5 (0.12,2.02)	0.44 (0.14,1.36)	0.46 (0.19,1.12)
More than once a week	0.98 (0.35,2.73)	0.83 (0.43,1.59)	0.88 (0.49,1.58)
Every other day	0.82 (0.13,4.85)	0.4 (0.12,1.34)	0.57 (0.18,1.78)
Every day	0.66 (0.26,1.69)	1.89 (1.09,3.26)	1.41 (0.87,2.27)

How often use marijuana for medical purposes

Response	<21	21+	Total
	n=668	n=1085	
Never	88.96 (85.62,91.6)	84.82 (82.18,87.13)	86.45 (84.43,88.24)
Once a year	1.09 (.47,2.49)	1.21 (.59,2.46)	1.16 (.67,2)
2 to 3 times a year	0.97 (.49,1.89)	1.37 (.8,2.36)	1.21 (.79,1.86)
Every other month	0.42 (.16,1.13)	1.17 (.64,2.11)	0.87 (.52,1.46)
Once a month	0.34 (.11,1.1)	1.32 (.8,2.18)	0.94 (.59,1.48)
2 to 3 times a month	1.4 (.68,2.84)	1.71 (1.0,2.9)	1.59 (1.03,2.43)
Once per week	0.68 (.24,1.86)	1.04 (.54,2.0)	0.9 (.51,1.55)
More than once a week	1.92 (1.09,3.36)	1.8 (.97,3.31)	1.85 (1.2,2.83)
Every other day	1.35 (.69,2.63)	1.21 (.67,2.19)	1.27 (.81,1.97)
Every day	2.88 (1.34,6.09)	4.34 (3.19,5.89)	3.77 (2.75,5.14)

How often use marijuana for recreational purposes

Response	<21	21+	Total
	n=668	n=1084	
Never	55.11 (50.63,59.51)	44.79 (41.35,48.28)	48.86 (46.12,51.61)
Once a year	7.77 (5.7,10.49)	6.73 (5.21,8.66)	7.14 (5.86,8.67)
2 to 3 times a year	10.04 (7.7,12.99)	9.65 (7.78,11.92)	9.8 (8.3,11.55)
Every other month	2.92 (1.92,4.42)	4.96 (3.61,6.79)	4.16 (3.21,5.37)
Once a month	3.24 (1.98,5.25)	3.96 (2.84,5.49)	3.67 (2.79,4.82)
2 to 3 times a month	4.06 (2.8,5.86)	5.32 (3.99,7.05)	4.82 (3.84,6.04)
Once per week	2.47 (1.49,4.08)	3.72 (2.62,5.26)	3.23 (2.42,4.3)
More than once a week	5.12 (3.23,8.02)	7.18 (5.65,9.09)	6.37 (5.12,7.9)
Every other day	3.58 (2.21,5.76)	4.76 (3.54,6.37)	4.3 (3.33,5.52)
Every day	5.69 (3.82,8.38)	8.93 (7.14,11.11)	7.65 (6.29,9.28)

How often use synthetic marijuana

Response	<21	21+	Total
	n=668	n=1085	
Never	97.83 (95.24,99.02)	96.48 (94.73,97.67)	97.01 (95.69,97.94)
Once a year	0.13 (<.01,.93)	1.22 (.62,2.36)	0.79 (.42,1.49)
2 to 3 times a year	0.64 (0.21,1.94)	0.82 (0.3,2.21)	0.75 (0.35,1.6)
Every other month	0.26 (<.01,.81)	0.14 (<.01,.65)	0.19 (<.01,.48)
Once a month	0	0.083 (<.01,.59)	0.05 (<.01,.36)
2 to 3 times a month	0.081 (<.01,.58)	0.23 (<.01,1.59)	0.17 (<.01,.86)
Once per week	0.096 (<.01,.68)	0.39 (.11,1.36)	0.27 (<.01,.83)
More than once a week	0.21 (<.01,1.5)	0.35 (<.01,1.32)	0.3 (<.01,.89)
Every day	0.75 (0.11,5.12)	0.3 (0.11,0.79)	0.47 (0.13,1.69)

How often use heroin

Response	<21	21+	Total
	n=661	n=1073	
Never	98.84 (95.61,99.7)	99.48 (98.51,99.82)	99.23 (98.1,99.69)
Once a year	0.35 (<.01,1.44)	0.075 (<.01,.3)	0.18 (<.01,.56)
2 to 3 times a year	0	0.13 (<.01,.91)	0.078 (<.01,.55)
Every other month	0	0.084 (<.01,.59)	0.051 (<.01,.36)
2 to 3 times a month	0	0.23 (<.01,1.6)	0.14 (<.01,.98)
More than once a week	0.76 (.0011,5.19)	0	0.3 (<.01,2.09)
Every day	0.05 (<.01,.35)	0	0.02 (<.01,.14)

How often use pain relievers to get high

Response	<21	21+	Total
	n=670	n=1085	
Never	96.95 (94.5,98.33)	95.45 (93.47,96.85)	96.04 (94.6,97.11)
Once a year	1.39 (0.72,2.65)	1.66 (0.89,3.1)	1.55 (0.97,2.47)
2 to 3 times a year	0.61 (0.25,1.52)	1.71 (0.97,3)	1.28 (0.78,2.08)
Every other month	0	0.26 (<.01,,.89)	0.16 (<.01,,.54)
Once a month	0	0.014 (<.01,,.1)	0.0086 (<.0001,<.001)
2 to 3 times a month	0.16 (<.01,1.11)	0.13 (<.01,,.89)	0.14 (<.01,,.56)
Once per week	0	0.18 (<.01,,.81)	0.11 (<.01,,.49)
More than once a week	0.082 (<.01,,.58)	0.33 (<.01,,.2.32)	0.23 (<.01,1.28)
Every other day	0.75 (.0011,.0511)	0	0.3 (<.01,2.07)
Every day	0.062 (<.01,,.44)	0.25 (<.01,1.4)	0.18 (<.01,,.8)

How often use methamphetamines

Response	<21	21+	Total
	n=670	n=1083	
Never	98.11 (95.53,99.21)	97.43 (95.89,98.41)	97.7 (96.48,98.5)
Once a year	0.25 (<.01,,.85)	0.4 (0.15,1.11)	0.34 (0.15,0.76)
2 to 3 times a year	0.096 (<.01,,.68)	1.15 (0.51,2.55)	0.73 (0.34,1.58)
Every other month	0.21 (<.01,1.5)	0.28 (<.01,1.12)	0.25 (<.01,,.78)
2 to 3 times a month	0.082 (<.01,,.58)	0.034 (<.01,,.24)	0.053 (<.01,,.22)
More than once a week	0.057 (<.01,,.41)	0.16 (<.01,,.65)	0.12 (<.01,,.39)
Every other day	0.85 (0.15,4.71)	0.22 (<.01,1.55)	0.47 (.12,1.82)
Every day	0.34 (<.01,1.42)	0.33 (0.12,0.9)	0.34 (0.15,0.77)

How often use methamphetamines

Response	<21	21+	Total
	n=670	n=1083	
Never	98.11 (95.53,99.21)	97.43 (95.89,98.41)	97.7 (96.48,98.5)
Once a year	0.25 (<.01,.85)	0.4 (0.15,1.11)	0.34 (0.15,0.76)
2 to 3 times a year	0.096 (<.01,.68)	1.15 (0.51,2.55)	0.73 (0.34,1.58)
Every other month	0.21 (<.01,1.5)	0.28 (<.01,1.12)	0.25 (<.01,.78)
2 to 3 times a month	0.082 (<.01,.58)	0.034 (<.01,.24)	0.053 (<.01,.22)
More than once a week	0.057 (<.01,.41)	0.16 (<.01,.65)	0.12 (<.01,.39)
Every other day	0.85 (0.15,4.71)	0.22 (<.01,1.55)	0.47 (.12,1.82)
Every day	0.34 (<.01,1.42)	0.33 (0.12,0.9)	0.34 (0.15,0.77)

How often use cocaine

Response	<21	21+	Total
	n=666	n=1080	
Never	96.01 (93.57,97.54)	92.43 (90.51,93.99)	93.84 (.9241,.9501)
Once a year	1.8 (1.01,3.17)	2.35 (1.64,3.35)	2.13 (1.57,2.89)
2 to 3 times a year	1.07 (0.55,2.1)	2.59 (.0178,.0375)	1.99 (.0143,.0276)
Every other month	0.096 (<.01,.68)	1.19 (0.62,2.28)	0.76 (0.41,1.42)
Once a month	0.22 (<.01,.69)	0.15 (<.01,.6)	0.17 (<.01,.44)
2 to 3 times a month	0	1 (.42,2.35)	0.61 (.26,1.43)
Once per week	0.056 (<.01,.4)	0.13 (<.014.9)	0.1 (<.01,4.49)
More than once a week	0	0.13 (<.01,.9)	0.077 (<.01,.55)
Every day	0.75 (.11,.5.14)	0.034 (<.01,.24)	0.32 (<.01,1.96)

How often use kratom

Response	<21	21+	Total
	n=670	n=1083	
Never	97.13 (94.44,98.54)	96.92 (95.26,98.0)	97 (95.67,97.93)
Once a year	1.25 (.53,2.93)	1.45 (.74,2.83)	1.37 (.81,2.33)
2 to 3 times a year	0.46 (.15,1.41)	0.54 (.19,1.51)	0.51 (.24,1.1)
Every other month	0 0	0.56 (.2,1.59)	0.34 (.12,.96)
Once a month	0.31 (<.01,1.35)	0.18 (<.01,.8)	0.23 (<.01,.66)
2 to 3 times a month	0.096 (<.01,.68)	0.13 (<.01,.9)	0.11 (<.01,.5)
Every other day	0.75 (.11,5.11)	0	0.3 (<.01,2.07)
Every day	0	0.21 (<.01,.83)	0.13 (<.01,.51)

How often "Juling"

Response	<21	21+	Total
	n=669	n=1082	
Never	79.55 (75.69,82.94)	80.31 (77.39,82.94)	80.01 (77.71,82.12)
Once a year	3.5 (2.14,5.7)	3.32 (2.35,4.66)	3.39 (2.55,4.5)
2 to 3 times a year	4.12 (2.77,6.09)	4.58 (3.33,6.29)	4.4 (3.43,5.64)
Every other month	2.21 (1.24,3.92)	1.92 (1.12,3.26)	2.03 (1.37,3.01)
Once a month	0.63 (0.2,1.97)	0.31 (0.1,0.94)	0.44 (0.2,0.98)
2 to 3 times a month	1.76 (1,3.08)	1.4 (0.82,2.37)	1.54 (1.05,2.27)
Once per week	0.97 (0.4,2.33)	0.66 (0.3,1.43)	0.78 (0.44,1.4)
More than once a week	1.26 (0.58,2.7)	2.15 (1.2,3.83)	1.8 (1.12,2.87)
Every other day	0.32 (<.01,0.105)	1.07 (0.58,1.96)	0.77 (0.45,1.34)
Every day	5.66 (3.74,8.48)	4.28 (3.1,5.87)	4.82 (3.73,6.22)

Have you used for non-medical use in past 30 days

Response	<21 n=670	21+ n=1085	Total
Did not take any	89.65 (86.12,92.36)	89.85 (87.39,91.88)	89.77 (87.8,91.46)
Used a stimulant	3.55 (2.02,6.16)	3.32 (2.28,4.82)	3.41 (2.48,4.68)
Used a painkiller	1.08 (0.27,4.29)	1.47 (0.84,2.55)	1.32 (0.73,2.36)
used a tranquilizer	1.33 (0.41,4.17)	0.83 (0.43,1.59)	1.03 (0.52,2.01)
used another kind of prescription drug	1.88 (1.02,3.45)	2.05 (1.22,3.44)	1.98 (1.33,2.95)
used an over-the-counter drug	4.23 (2.73,6.52)	5.07 (3.56,7.16)	4.74 (3.6,6.22)

Perceived how often typical person your age uses alcohol past year

Response	<21 n=670	21+ n=1083	Total
Never	1.25 (0.63,2.45)	0.7 (0.29,1.65)	0.92 (0.53,1.57)
Once a year	1.08 (0.43,2.72)	0.034 (4.8e-05,.0024)	0.45 (0.18,1.09)
2 to 3 times a year	6.97 (5.9,6.3)	0.42 (0.11,1.58)	3 (2.16,4.15)
Every other month	5.48 (3.77,7.9)	0.72 (0.37,1.41)	2.6 (1.86,3.62)
Once a month	9.91 (7.56,12.88)	2 (1.19,3.36)	5.12 (4.02,6.51)
2 to 3 times a month	26.54 (22.83,30.63)	10.92 (8.98,13.21)	17.09 (15.14,19.23)
Once per week	21.97 (18.58,25.79)	22.65 (19.86,25.71)	22.39 (20.19,24.74)
More than once a week	22.65 (19.09,26.65)	49.49 (46.03,52.97)	38.89 (36.26,41.59)
Every other day	2.78 (1.61,4.77)	10 (8.06,12.34)	7.15 (5.84,8.72)
Every day	1.38 (0.45,4.18)	3.07 (2,4.68)	2.4 (1.58,3.63)

Perceived how often typical person your age uses e-cigarettes past year

Response	<21 n=670	21+ n=1083	Total
Never	3.7 (2.38,5.69)	4.29 (3.07,5.97)	4.06 (3.11,5.28)
Once a year	1.45 (0.68,3.07)	1.71 (1,2.89)	1.61 (1.04,2.47)
2 to 3 times a year	4.61 (3.09,6.82)	4.67 (3.38,6.42)	4.65 (3.62,5.95)
Every other month	3.35 (2.05,5.44)	3.37 (2.35,4.82)	3.36 (2.51,4.49)
Once a month	4.12 (2.69,6.27)	5 (3.77,6.6)	4.65 (3.67,5.87)
2 to 3 times a month	9.08 (6.96,11.75)	7.67 (6.1,9.61)	8.22 (6.92,9.75)
Once per week	9.97 (7.64,12.93)	10.58 (8.63,12.92)	10.34 (8.8,12.12)
More than once a week	23.62 (20.23,27.38)	22.82 (20.06,25.84)	23.13 (20.96,25.46)
Every other day	11.07 (8.21,14.76)	12.64 (10.46,15.19)	12.02 (10.23,14.08)
Every day	29.03 (25.08,33.32)	27.25 (24.21,30.52)	27.95 (25.51,30.53)

Perceived how often typical person your age uses cigarettes past year

Response	<21 n=670	21+ n=1082	Total
Never	25.13 (21.42,29.23)	18.05 (15.34,21.11)	20.85 (18.61,23.27)
Once a year	8.16 (6.09,10.87)	5.04 (3.77,6.7)	6.27 (5.11,7.69)
2 to 3 times a year	13.75 (11.03,17.01)	11.05 (9.16,13.28)	12.12 (10.5,13.94)
Every other month	7.48 (5.28,10.51)	6.05 (4.65,7.83)	6.62 (5.35,8.16)
Once a month	9.42 (7.05,12.48)	8.97 (7.19,11.14)	9.15 (7.67,10.87)
2 to 3 times a month	8.08 (6.16,10.53)	9.74 (7.95,11.87)	9.08 (7.72,10.65)
Once per week	5.81 (4.17,8.03)	8.86 (7.1,11)	7.65 (6.37,9.17)
More than once a week	11.64 (9.05,14.85)	15.25 (12.95,17.87)	13.82 (12.05,15.81)
Every other day	5.25 (3.38,8.08)	5.38 (3.99,7.21)	5.33 (4.15,6.81)
Every day	5.28 (3.68,7.53)	11.62 (9.5,14.14)	9.12 (7.63,10.85)

Perceived how often typical person your age uses marijuana for medical purposes past year

Response	<21 n=668	21+ n=1082	Total
Never	32.23 (28.25,36.48)	24.91 (21.96,28.12)	27.8 (25.39,30.34)
Once a year	7.02 (5.12,9.57)	4.51 (3.29,6.15)	5.5 (4.4,6.86)
2 to 3 times a year	10.28 (7.93,13.24)	8.17 (6.48,10.26)	9.01 (7.58,10.67)
Every other month	6.74 (4.81,9.36)	4.43 (3.27,5.98)	5.34 (4.26,6.68)
Once a month	7.29 (5.45,9.68)	7.68 (6.09,9.62)	7.52 (6.28,8.98)
2 to 3 times a month	8.13 (6.08,10.78)	10.65 (8.75,12.9)	9.65 (8.21,11.33)
Once per week	7.38 (5.24,10.31)	10.49 (8.55,12.81)	9.27 (7.77,11.02)
More than once a week	9.95 (7.35,13.33)	15.13 (12.8,17.78)	13.08 (11.29,15.11)
Every other day	4.68 (3.04,7.12)	5.69 (4.24,7.59)	5.29 (4.15,6.72)
Every day	6.32 (4.36,9.07)	8.35 (6.56,10.56)	7.55 (6.16,9.21)

Perceived how often typical person uses recreational marijuana past year

Response	<21 n=668	21+ n=1084	Total
Never	2.64 (1.54,4.47)	1.46 (0.79,2.68)	1.92 (1.29,2.87)
Once a year	2.32 (1.33,4.03)	0.39 (0.11,1.35)	1.15 (0.69,1.92)
2 to 3 times a year	4.24 (2.87,6.24)	3.64 (2.46,5.36)	3.88 (2.93,5.12)
Every other month	4.66 (3.08,7)	2.71 (1.77,4.13)	3.48 (2.59,4.67)
Once a month	8.84 (6.61,11.74)	5.92 (4.55,7.68)	7.07 (5.81,8.58)
2 to 3 times a month	16.54 (13.6,19.98)	12.44 (10.41,14.79)	14.05 (12.32,15.98)
Once per week	13 (10.3,16.29)	14.85 (12.54,17.5)	14.12 (12.32,16.14)
More than once a week	23.71 (20.03,27.83)	32.6 (29.42,35.95)	29.1 (26.65,31.67)
Every other day	9.42 (7.13,12.36)	11.14 (9.18,13.45)	10.46 (8.92,12.23)
Every day	14.62 (11.64,18.19)	14.86 (12.49,17.59)	14.76 (12.87,16.89)

How often typical person your age uses alcohol and marijuana at the same time

Response	<21 n=670	21+ n=1083	Total
Never	6.19 (4.33,8.77)	2.78 (1.76,4.37)	4.13 (3.11,5.45)
Once a year	7.22 (5.21,9.92)	3.46 (2.34,5.11)	4.95 (3.85,6.34)
2 to 3 times a year	13.08 (10.39,16.33)	13.34 (11.17,15.87)	13.24 (11.51,15.19)
Every other month	10.87 (8.23,14.23)	8.71 (7.03,10.76)	9.56 (8.05,11.32)
Once a month	15.95 (13.08,19.3)	17.8 (15.25,20.68)	17.07 (15.12,19.22)
2 to 3 times a month	18.02 (14.99,21.51)	22.01 (19.28,25)	20.43 (18.36,22.68)
Once per week	12.28 (9.65,15.52)	13.76 (11.59,16.28)	13.18 (11.46,15.12)
More than once a week	8.53 (6.5,11.12)	12.42 (10.31,14.89)	10.88 (9.33,12.66)
Every other day	2.92 (1.5,5.6)	2.63 (1.67,4.13)	2.74 (1.87,4.01)
Every day	4.94 (3.08,7.84)	3.07 (2.06,4.55)	3.81 (2.79,5.18)

How often typical person your age driven within 3 hours after using alcohol and marijuana at the same time

Response	<21 n=669	21+ n=1083	Total
Never	13.83 (10.94,17.33)	8.14 (6.33,10.4)	10.38 (8.75,12.28)
Once a year	16.6 (13.55,20.17)	15.46 (13.16,18.08)	15.91 (14.03,17.99)
2 to 3 times a year	17.86 (14.87,21.29)	18.99 (16.43,21.83)	18.54 (16.56,20.7)
Every other month	9.59 (7.37,12.4)	9.34 (7.49,11.59)	9.44 (7.97,11.14)
Once a month	9.9 (7.56,12.87)	10.88 (8.92,13.22)	10.5 (8.95,12.28)
2 to 3 times a month	10.7 (8.42,13.5)	15.15 (12.87,17.75)	13.39 (11.7,15.28)
Once per week	8.35 (5.85,11.8)	8.41 (6.61,10.65)	8.39 (6.85,10.23)
More than once a week	7.98 (5.88,10.74)	8.74 (6.91,11)	8.44 (7.01,10.13)
Every other day	2.22 (0.99,4.9)	1.47 (0.9,2.37)	1.76 (1.1,2.81)
Every day	2.97 (1.81,4.83)	3.42 (2.35,4.95)	3.24 (2.41,4.36)

How often typical person your age been passenger in car when driver used alcohol and marijuana at same time within 3 hours

Response	<21	21+	Total
	n=669	n=1083	
Never	12.21 (9.59,15.44)	9.13 (7.25,11.44)	10.35 (8.76,12.18)
Once a year	15.56 (12.57,19.11)	15.54 (13.24,18.16)	15.55 (13.68,17.62)
2 to 3 times a year	20.83 (17.45,24.67)	21.15 (18.43,24.16)	21.03 (18.87,23.36)
Every other month	10.96 (8.55,13.95)	8.83 (7.12,10.92)	9.67 (8.22,11.35)
Once a month	8.31 (6.28,10.92)	12.51 (10.42,14.95)	10.85 (9.31,12.61)
2 to 3 times a month	10.02 (7.72,12.92)	13.57 (11.41,16.06)	12.17 (10.54,14.02)
Once per week	7.71 (5.63,10.47)	6.26 (4.72,8.25)	6.83 (5.54,8.39)
More than once a week	8.5 (6.17,11.59)	8.49 (6.67,10.74)	8.49 (7.01,10.26)
Every other day	3 (1.56,5.7)	1.47 (0.82,2.6)	2.07 (1.32,3.23)
Every day	2.89 (1.77,4.7)	3.05 (2.03,4.56)	2.99 (2.18,4.08)

Mean age at first substance use

Response	<21	21+
	Mean	Mean
How old first used alcohol (<21 n=502, 21+ n=986)	16.08 (12.23,15.84)	17.19 (10.88,16.98)
How old first used nicotine or tobacco products (<21 n=143, 21+ n=372)	15.97 (15.47,16.85)	17.19 (16.85,17.52)
How old first used cannabis (<21 n=368, 21+ n=761)	16.41 (16.16,16.66)	17.51 (17.27,17.75)

How long since you last used tobacco

Response	<21	21+	Total
	n=668	n=1083	
I have never used	77.3 (73.06,81.04)	63.71 (60.25,67.04)	69.07 (66.4,71.62)
Within the past 30 days	6.81 (4.69,.9.8)	9.42 (7.49,11.8)	8.4 (6.9,10.18)
More than 30 days ago, but within past 12 months	6.29 (4.51,8.71)	11.04 (8.96,13.54)	9.17 (7.68,10.92)
More than 12 months ago	9.59 (6.99,13.04)	15.82 (13.42,18.56)	13.37 (11.53,15.44)

Related to cannabis, which are you most likely to do in next 12 months

Response	<21	21+	Total
	n=670	n=1079	
Not use it	49.28 (44.84,53.74)	43.7 (40.26,47.21)	45.91 (43.18,48.67)
Try it	9.55 (7.36,12.31)	5.46 (4.08,7.28)	7.08 (5.83,8.57)
Use it about as often as I do now	23.16 (19.66,27.08)	31.14 (28.03,34.42)	27.98 (25.61,30.48)
Use it more often than I do now	5.79 (3.58,9.23)	4.83 (3.45,6.72)	5.21 (3.92,6.88)
Use it less often than I do now	7.26 (5.36,9.78)	11.16 (9.27,13.37)	9.62 (8.21,11.24)
Don't know	4.95 (3.48,7.0)	3.71 (2.69,5.11)	4.2 (3.31,5.32)

How many times been a passenger in car when driver had too much to drink in past 30 days

Response	<21	21+	Total
	n=669	n=1080	
0 times	90.63 (87.21,93.2)	87.66 (85.09,89.83)	88.83 (86.84,90.55)
1 time	4.68 (.3.23,6.73)	7.84 (6.24,9.82)	6.59 (5.42,7.99)
2-3 times	2.86 (1.45,5.56)	3.04 (1.94,4.74)	2.97 (2.03,4.32)
4-5 times	1.18 (.31,4.43)	0.72 (.34,1.53)	0.9 (.41,1.97)
6 or more times	0.66 (.23,1.89)	0.74 (.22,2.48)	0.71 (.3,1.67)

How many times been a passenger in car when driver used cannabis within 3 hours of driving in past 30 days

Response	<21	21+	Total
	n=669	n=1080	
0 times	75.94 (71.57,79.83)	77.52 (74.44,80.33)	76.9 (74.39,79.23)
1 time	10.28 (7.73,13.55)	9.02 (7.2,11.25)	9.52 (7.97,11.33)
2-3 times	7.15 (4.96,10.19)	8.41 (6.65,10.58)	7.91 (6.48,9.62)
4-5 times	2.01 (1.12,3.59)	1.74 (1.11,2.72)	1.85 (1.29,2.64)
6 or more times	4.62 (2.76,7.62)	3.3 (2.15,5.04)	3.82 (2.74,5.3)

How many times been a passenger in car when driver used alcohol and cannabis at the same time within three hours of driving in past 30 days

Response	<21	21+	Total
	n=669	n=1080	
0 times	93.69 (90.33,95.93)	93.93 (91.94,95.46)	93.84 (92.14,95.19)
1 time	2.25 (1.26,3.97)	2.86 (1.94,4.19)	2.62 (1.9,3.6)
2-3 times	2.2 (.97,4.9)	1.6 (.96,2.66)	1.83 (1.14,2.93)
4-5 times	0.29 (<.01,1.16)	0.72 (.3,1.72)	0.55 (.26,1.16)
6 or more times	1.58 (.52,4.66)	0.88 (.3,2.61)	1.16 (.53,2.51)

Have card that allows possession of medical marijuana

Response	<21	21+	Total
	n=310	n=588	
No	95.4 (89.71,98.01)	96.35 (93.85,97.86)	96.02 (93.73,97.5)
Yes	4.6 (1.99,10.29)	3.65 (2.14,6.15)	3.98 (2.5,6.27)

During past 30 days in injected any drug

Response	<21	21+	Total
	n=665	n=1078	
No	99.57 (98.58,99.87)	98.43 (97.21,99.13)	98.88 (98.11,99.34)
Yes	0.43 (.0013,.0142)	1.57 (.87,2.79)	1.12 (.66,1.89)

When use marijuana, how high do you usually get

Response	<21	21+	Total
	n=311	n=591	
Not at all	5.95 (3.67,9.51)	3.12 (1.86,5.21)	4.11 (2.88,5.82)
A little	30 (24.41,36.27)	28.57 (24.64,32.85)	29.07 (25.8,32.57)
Moderate	49.62 (42.95,56.3)	53.17 (48.47,57.81)	51.93 (48.08,55.76)
Very	14.43 (9.82,20.69)	15.14 (11.8,19.22)	14.89 (12.09,18.21)

How long usually stay high on typical day of cannabis use

Response	<21	21+	Total
	n=311	n=591	
usually don't get high	7.07 (4.57,10.79)	4.7 (3.05,7.19)	5.53 (4.06,7.48)
less than 1 hour	8.15 (5.17,12.61)	5.49 (3.77,7.92)	6.42 (4.8,8.52)
1-2 hours	30.2 (24.56,36.52)	31.25 (27.05,35.79)	30.89 (27.47,34.53)
3-4 hours	35.63 (29.61,42.14)	41.72 (37.22,46.37)	39.6 (35.95,43.37)
5-6 hours	13.74 (9.27,19.9)	10.87 (8.26,14.18)	11.87 (9.46,14.8)
7-8 hours	1.68 (.78,3.6)	3.19 (1.75,5.76)	2.67 (1.62,4.36)
9-10 hours	0.33 (<.01,2.3)	0.3 (<.01,1.02)	0.31 (.11,.89)
11-12 hours	0.76 (.2,2.89)	1.03 (.38,2.78)	0.93 (.41,2.1)
13-18 hours	0.13 (<.01,.91)	0.32 (<.01,1.27)	0.25 (<.01,.83)
19-24 hours	2.31 (.52,9.61)	1.12 (.41,3.04)	1.53 (.61,3.78)

How frequency of cannabis use has changed over last year

Response	<21	21+	Total
	n=310	n=591	
Declined sharply	20.62 (15.99,26.18)	19.26 (15.72,23.36)	19.73 (16.86,22.96)
Down a little	14.53 (10.33,20.05)	15.4 (12.44,18.92)	15.1 (12.6,17.99)
About the same	22.49 (17.54,28.35)	24.55 (20.58,29.01)	23.83 (20.66,27.33)
Up a little	17.69 (13.45,22.91)	22.26 (18.76,26.2)	20.67 (17.88,23.76)
Up sharply	24.67 (18.81,31.65)	18.53 (15.2,22.39)	20.67 (17.59,24.13)

How has your cannabis use affected amount of alcohol use

Response	<21	21+	Total
	n=311	n=591	
Led to less alcohol use	33.16 (27.22,39.68)	34.52 (30.32,38.98)	34.05 (30.57,37.7)
Led to more alcohol use	7.68 (4.32,13.29)	4.66 (3.08,6.97)	5.71 (4.03,8.02)
No effect	53.16 (46.44,59.76)	52.62 (47.95,57.25)	52.81 (48.97,56.62)
Don't know	6.01 (3.98,8.97)	8.2 (5.87,11.33)	7.44 (5.7,9.65)

Mean number of days of alcohol and cannabis use in past 30 days

Response	<21	21+
	Mean	Mean
During past 30 days, how many days used alcohol (<21 n=498, 21+ n = 978)	3.18 (2.59,3.76)	5.91 (5.40,6.42)
During past 30 days, how many days used marijuana (<21 n=310, 21+ n = 591)	9.23 (7.68,10.78)	10.04 (8.95,11.14)

How obtained cannabis

Response	<21 n=221	21+ n=443	Total
Bought from retail store using fake ID	7.94 (.32,3.34)	1.11 (69.09,79.11)	3.45 (44.77,53.78)
Bought from retail store not using fake ID	1.03 (.32,3.34)	74.42 (69.09,79.11)	49.27 (44.77,53.78)
Got it from medical dispensary	12.03 (6.39,21.49)	15.62 (11.88,20.27)	14.39 (11.06,18.51)
Gave money	39.8 (32.13,48.0)	4.61 (2.75,7.65)	16.67 (13.42,20.53)
Stole it from store	2.4 (.34,14.99)	0.43 (.11,1.69)	1.1 (.25,4.8)
Got it from parents with their permission	13.91 (8.6,21.72)	4.75 (3.02,7.39)	7.89 (5.58,11.04)
Took it from parents without their permission	3.31 (.78,12.96)	0.45 (.11,1.8)	1.43 (.44,4.59)
Got it from other family member	7.09 (4.38,11.29)	5.52 (3.64,8.28)	6.06 (4.42,8.24)
Got it from friends	65.62 (56.98,73.34)	26.44 (22.05,31.35)	39.87 (35.61,44.29)
Got it at a party	24.67 (18.51,32.06)	7.12 (4.65,10.76)	13.14 (10.33,16.57)
Got it from someone with medical marijuana card	4.58 (2.14,9.5)	0.62 (.15,2.48)	1.97 (1.01,3.82)
Grew it myself	0.42 (<.01,2.93)	1.74 (.54,.5.43)	1.29 (.45,3.65)
Got it some other way	6.24 (3.39,11.22)	2.13 (.92,4.87)	3.54 (2.16,5.76)

How used marijuana, if used

Response	<21	21+	Total
	n=221	n=443	
Smoked it	74.09 (66.89,80.19)	69.13 (63.87,73.94)	70.83 (66.63,74.71)
Ate it	36.82 (29.42,44.9)	54.97 (49.51,60.31)	48.75 (44.25,53.26)
Drank it	6.3 (.28,13.58)	8.04 (5.63,11.36)	7.45 (5.28,10.4)
Vaporized it	48.42 (40.41,56.52)	46.53 (41.2,51.95)	47.18 (42.7,51.71)
Dabbing	26.48 (19.68,34.61)	15.35 (11.71,19.88)	19.16 (15.68,23.21)
Some other way	1.75 (.56,.5.32)	1.67 (.78,3.52)	1.69 (.9,3.17)

Preferred method of cannabis use

Response	<21	21+	Total
	n=221	n=443	
Smoked it	52.32 (44.25,60.27)	39.68 (34.56,45.03)	44.01 (39.59,48.53)
Ate it	22.17 (15.97,29.92)	31.69 (26.87,36.94)	28.43 (24.51,32.7)
Drank it	0.42 (<.01,2.93)	1 (.4,2.45)	0.8 (.35,.1.81)
Vaporized it	18.27 (13.03,25.02)	21.26 (17.14,26.05)	20.23 (16.89,24.05)
Dabbing	5.5 (3.02,9.82)	5.6 (3.23,9.53)	5.57 (3.68,8.35)
Other way	1.32 (.33,5.14)	0.77 (.22,2.65)	0.96 (.38,2.41)

In past 30 days, how much marijuana used on average day when used

Response	<21	21+	Total
	n=219	n=443	
<.5 grams	45.29	48.97	47.72
	(37.52,5.33)	(43.59,54.38)	(43.25,52.22)
.5 grams	24.13	21.73	22.55
	(17.73,31.94)	(17.58,26.55)	(18.95,26.61)
1 gram	11.29	14.47	13.39
	(7.28,17.11)	(10.69,19.31)	(10.43,17.03)
2 gram	7.55	6.07	6.58
	(4.45,12.53)	(3.98,9.15)	(4.74,9.06)
3 grams	5.28	1.96	3.1
	(1.9,13.84)	(.93,4.08)	(1.58,5.99)
4 grams	1.4	1.95	1.76
	(.43,4.47)	(.74,5.05)	(.81,3.79)
5 grams	0.49	1.17	0.94
	(.12,2.04)	(.53,2.55)	(.47,1.87)
>5 grams	4.56	3.67	3.97
	(1.49,13.06)	(2.13,6.26)	(2.3,6.78)

During past 30 days, problems with emotions or mental health caused by cannabis use

Response	<21	21+	Total
	n=221	n=443	
No	74.72	76	75.57
	(66.55,81.46)	(71.35,80.11)	(71.5,79.22)
Yes	10.28	16.46	14.34
	(5.94,17.21)	(13.03,20.58)	(11.51,17.73)
Not sure	15	7.54	10.09
	(9.86,22.16)	(5.28,10.65)	(7.65,13.2)

During past 30 days, problems with physical health caused by cannabis use

Response	<21	21+	Total
	n=221	n=443	
No	83.32	86.13	85.17
	(74.59,89.47)	(81.78,89.58)	(81.18,88.43)
Yes	9.6	9.19	9.33
	(5.02,17.59)	(6.49,12.86)	(6.78,12.71)
Not sure	7.08	4.68	5.5
	(3.4,14.15)	(2.71,7.96)	(3.53,8.48)

How many times had munchies during the past 30 days due to marijuana use

Response	<21	21+	Total
	n=221	n=442	
0 times	13.72 (8.97,20.43)	14.95 (11.22,19.64)	14.53 (11.46,18.24)
1-2 times	26.5 (20.56,33.43)	27.08 (22.57,32.11)	26.88 (23.21,30.89)
3-5 times	28.9 (21.4,37.77)	23.14 (19.06,27.8)	25.12 (21.26,29.42)
6-10 times	12.87 (8.78,18.48)	11.95 (9.11,15.53)	12.27 (9.84,15.19)
More than 10 times	18.01 (12.83,24.69)	22.88 (18.44,28.03)	21.21 (17.68,25.22)

How many times had trouble sleeping during past 30 days due to marijuana use

Response	<21	21+	Total
	n=221	n=442	
0 times	75.18 (66.56,82.18)	75.75 (70.7,80.17)	75.56 (71.21,79.43)
1-2 times	15.42 (9.63,23.77)	17.42 (13.56,22.1)	16.73 (13.37,20.75)
3-5 times	3.08 (1.22,7.6)	3.41 (2.0,5.77)	3.3 (2.06,5.23)
6-10 times	2.77 (.83,8.84)	1.72 (.79,3.7)	2.08 (1.04,4.12)
More than 10 times	3.55 (1.57,7.82)	1.7 (.67,4.24)	2.33 (1.26,4.27)

How many times had low motivation during past 30 days due to marijuana use

Response	<21	21+	Total
	n=221	n=442	
0 times	47.38 (39.47,55.43)	42.36 (37.03,47.86)	44.08 (39.64,48.62)
1-2 times	23.68 (17.91,30.61)	33.21 (28.33,38.47)	29.94 (26.07,34.12)
3-5 times	17.19 (11.48,24.93)	15.05 (11.73,19.12)	15.79 (12.72,19.43)
6-10 times	6.26 (2.66,14.02)	6.75 (4.49,10.03)	6.58 (4.46,9.61)
More than 10 times	5.49 (2.77,10.61)	2.63 (1.49,4.61)	3.61 (2.3,5.62)

How many times had trouble concentrating during the past 30 days due to marijuana use

Response	<21	21+	Total
	n=221	n=441	
0 times	34.46 (27.49,42.17)	29.81 (25.03,35.06)	31.4 (27.41,35.7)
1-2 times	37.43 (29.87,45.65)	39.08 (33.89,44.52)	38.51 (34.18,43.03)
3-5 times	14.63 (9.94,21.03)	18.64 (14.87,23.12)	17.27 (14.21,20.83)
6-10 times	8.18 (4.07,15.75)	7.08 (4.83,10.26)	7.45 (5.24,10.51)
More than 10 times	5.3 (2.79,9.84)	5.4 (3.38,8.5)	5.37 (3.68,7.75)

How many times had trouble remembering things during the past 30 days due to marijuana use

Response	<21	21+	Total
	n=221	n=442	
0 times	36.36 (29.27,44.1)	37.1 (32.02,42.48)	36.85 (32.66,41.24)
1-2 times	28.58 (22.17,35.97)	32.14 (27.29,37.41)	30.92 (26.97,35.17)
3-5 times	17.35 (11.33,25.63)	16.97 (13.25,21.48)	17.1 (13.76,21.05)
6-10 times	6.89 (3.87,11.96)	7.71 (5.22,11.26)	7.43 (5.38,10.17)
More than 10 times	10.83 (.615,18.36)	6.07 (4.0,9.13)	7.71 (5.44,10.81)

How many times drive after using cannabis while still feeling high during the past 30 days

Response	<21	21+	Total
	n=221	n=441	
0 times	75.88 (67.15,82.88)	77.82 (72.67,82.23)	77.15 (72.73,81.04)
1 time	5.81 (.3.32,9.99)	8.97 (6.22,12.77)	7.89 (5.79,10.65)
2-3 times	7.15 (3.86,12.86)	7.62 (4.85,11.79)	7.46 (5.18,10.62)
4-5 times	4.37 (1.4,12.83)	2.51 (1.3,.4.8)	3.15 (1.65,5.91)
6 or more times	6.8 (2.94,14.92)	3.08 (1.7,5.54)	4.36 (2.57,7.31)

How many times drive after using cannabis within 3 hours of use during the past 30 days

Response	<21	21+	Total
	n=221	n=441	
0 times	66.13 (57.53,73.78)	66.52 (61.09,71.54)	66.38 (6.18,70.68)
1 time	11.85 (7.68,17.85)	9.41 (.68,12.87)	10.25 (7.91,13.18)
2-3 times	8.59 (4.33,16.32)	11.52 (8.16,16.01)	10.51 (7.69,14.2)
4-5 times	2.76 (1.18,6.35)	5.25 (3.23,8.41)	4.39 (2.88,6.65)
6 or more times	10.67 (5.93,18.46)	7.31 (4.92,10.73)	8.47 (6.03,11.76)

How many times used alcohol and cannabis at the same time during past 30 days

Response	<21	21+	Total
	n=221	n=441	
0 times	48.3 (40.34,56.35)	48.65 (43.22,54.11)	48.53 (44.02,53.07)
1 time	24.57 (18.38,32.02)	22.93 (18.74,27.73)	23.49 (19.93,27.47)
2-3 times	19.44 (13.89,26.53)	16.43 (12.9,20.7)	17.47 (14.36,21.08)
4-5 times	5.72 (2.28,13.6)	6.96 (4.68,10.22)	6.53 (4.43,9.53)
6 or more times	1.97 (.69,5.51)	5.03 (3.15,7.95)	3.98 (2.59,6.06)

How many times driven a car within 3 hours of using alcohol and cannabis at same time during past 30 days

Response	<21	21+	Total
	n=221	n=439	
0 times	92.5 (84.76,96.47)	91.44 (87.4,94.27)	91.8 (88.37,94.29)
1 time	1.55 (.52,4.53)	4.59 (2.61,7.93)	3.54 (2.13,5.82)
2-3 times	4.82 (1.61,13.55)	2.83 (1.34,5.86)	3.51 (1.84,6.63)
4-5 times	0.26 (<.01,1.84)	0.46 (.14,1.52)	0.39 (.14,1.09)
6 or more times	0.88 (.18,.4.18)	0.68 (.16,2.92)	0.75 (.25,2.2)

Month or more when spent a lot of time getting, using, or getting over effects of marijuana

Response	<21	21+	Total
	n=311	n=588	
No	77.14	76.83	76.94
	(70.21,82.86)	(72.64,80.55)	(73.37,80.16)
Yes	22.86	23.17	23.06
	(17.14,29.79)	(19.45,27.36)	(19.84,26.63)

Tried to set limits on how much marijuana used

Response	<21	21+	Total
	n=311	n=588	
No	52.86	52.83	52.84
	(46.16,59.46)	(48.12,57.49)	(48.99,56.67)
Yes	47.14	47.17	47.16
	(40.54,53.84)	(42.51,51.88)	(43.33,51.01)

Using same amount of marijuana had less effect

Response	<21	21+	Total
No	62.68	67.43	65.77
	(55.71,69.15)	(62.97,71.6)	(61.98,69.36)
Yes	37.32	32.57	34.23
	(30.85,44.29)	(28.4,37.03)	(30.64,38.02)

Want or try to cut down or stop using marijuana

Response	<21	21+	Total
	n=311	n=587	
No	60.42	61.99	61.44
	(53.59,66.85)	(57.28,66.49)	(57.58,65.17)
Yes	39.58	38.01	38.56
	(33.15,46.41)	(33.51,42.72)	(34.83,42.42)

Any problems with emotions or mental health caused by marijuana use

Response	<21	21+	Total
	n=311	n=586	
No	82.41	78.33	79.75
	(75.98,87.4)	(74.32,81.86)	(76.42,82.72)
Yes	17.59	21.67	20.25
	(12.6,24.02)	(18.14,25.68)	(17.28,23.58)

Physical health problems caused by marijuana use

Response	<21	21+	Total
	n=311	n=588	
No	92.44	90.46	91.14
	(86.92,95.74)	(87.22,92.95)	(88.47,93.24)
Yes	7.56	9.54	8.86
	(4.26,13.08)	(07.05,12.78)	(6.76,11.53)

Able to keep to limits set on marijuana use during past 12 months

Response	<21	21+	Total
	n=151	n=279	
Usually kept to limits	78.66 (70.49,85.05)	81.22 (75.29,86.0)	80.33 (75.66,84.28)
Often used more than intended	17.71 (11.83,25.65)	17.95 (13.26,23.86)	17.87 (14.05,22.45)
Don't know	3.63 (1.65,7.81)	0.82 (.25,2.73)	1.81 (.93,3.47)

Able to cut down or stop using marijuana every time tried during past 12 months

Response	<21	21+	Total
	n=116	n=221	
No	26.21 (16.95,38.21)	22.96 (17.1,30.11)	24.13 (18.89,30.28)
Yes	73.79 (61.79,83.05)	77.04 (69.89,82.9)	75.87 (69.72,81.11)

Continue to use marijuana though causing physical or emotional problems during past 12 months

Response	<21	21+	Total
	n=60	n=158	
No	47.26 (31.16,63.96)	44.44 (35.71,53.52)	45.22 (37.4,53.28)
Yes	52.74 (36.04,68.84)	55.56 (46.48,64.29)	54.78 (46.72,62.6)

Drinks and hours spent drinking

Response	<21 n=316 Mean	21+ n=787 Mean
Number of drinks on occasion when drank the most during past 30 days	5.17	4.97
	(4.52,6.82)	(4.65,5.30)
Hours spend drinking on occasion when drank the most during the past 30 days	3.34	3.99
	(2.90,3.77)	(3.76,4.21)
Number of drinks during typical drinking occasion during past 30 days	2.94	2.35
	(2.41,3.46)	(2.15,2.54)
Hours spent drinking on typical drinking day	2.58	2.52
	(2.19,2.98)	(2.35,2.68)

Problems with emotions or mental health caused by alcohol use during past 30 days

Response	<21 n=311	21+ n=788	Total
No	80.77	80.28	80.43
	(75.34,85.25)	(77.06,83.15)	(77.7,82.89)
Yes	11.21	12.02	11.78
	(7.91,15.65)	(9.9,14.53)	(9.94,13.91)
Not sure	8.02	7.69	7.79
	(5.14,12.29)	(5.76,10.21)	(6.11,9.87)

Problems with physical health caused by alcohol use during past 30 days

Response	<21 n=311	21+ n=788	Total
No	83.88	81.92	82.49
	(78.65,88.03)	(78.63,84.8)	(79.77,84.92)
Yes	7.82	13.38	11.75
	(5.17,11.66)	(10.93,16.27)	(9.8,14.03)
Not sure	8.3	4.7	5.75
	(5.28,12.8)	(3.18,6.89)	(4.28,7.68)

Number of times drive a car after consuming alcohol during past 30 days

Response	<21	21+	Total
	n=311	n=788	
0 times	91.77	77.43	81.63
	(86.12,95.25)	(73.83,80.68)	(78.71,84.24)
1 time	3.83	12.04	9.64
	(2.08,6.96)	(9.64,14.95)	(.7.81,11.85)
2-3 times	1.35	9.06	6.8
	(.42,4.31)	(6.98,11.69)	(5.26,8.76)
4-5 times	2.57	0.63	1.2
	(.64,9.78)	(.20,1.97)	(.45,3.14)
6 or more times	0.48	0.83	0.73
	(<.01,3.31)	(.30,2.31)	(.29,1.81)

Cigarette use in past 30 days

Response	<21	21+
	n=82	n=182
	Mean	Mean
Number of days smoked cigarettes during past 30 days	3.03	4.09
	(1.50,4.56)	(2.72,5.47)
Number of cigarettes smoked on typical smoking day	1.47	1.9
	(.79,2.134)	(1.07,2.75)
Number of days used electronic cigarettes during past 30 days	11.24	10.43
	(8.1,14.4)	(8.2, 12.6)

Visit a doctor or health care provider for any reason in past year

Response	<21	21+	Total
	n=665	n=1075	
No	29.19	29.61	29.45
	(25.16,33.57)	(26.41,33.03)	(26.91,32.12)
Yes	70.81	70.39	70.55
	(66.43,74.84)	(66.97,73.59)	(67.88,73.09)

Supplemental tables – frequencies by cohort

Calendar years for each cohort:

Cohort 1: 2014, Cohort 2: 2015, Cohort 3: 2016, Cohort 4: 2017, Cohort 5: 2018, Cohort 6: 2019, Cohort 7: 2020, Cohort 8: 2020

How easy to obtain alcohol?

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
Very easy	72.1	75.0	74.6	72.6	76.5	71.1	71.8	76.2	73.8
Fairly easy	22.9	21.3	20.8	22.8	19.5	23.3	21.3	19.2	21.4
Fairly difficult	3.9	3.1	3.4	3.5	3.0	4.2	5.2	3.1	3.6
Very difficult	0.8	0.5	0.6	0.7	0.6	1.2	1.5	1.2	0.9
Probably impossible	0.3	0.1	0.6	0.5	0.4	0.2	0.3	0.4	0.4

How easy to obtain cannabis?

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
Very easy	47.7	54.7	62.8	66.1	65.9	62.3	64.6	65.9	61.4
Fairly easy	41.8	37.5	30.8	27.5	28.3	31.1	26.8	26.2	31.2
Fairly difficult	7.3	5.1	5.0	4.5	4.3	5.2	6.8	5.4	5.4
Very difficult	2.6	2.3	0.9	1.4	1.0	1.2	1.1	1.8	1.5
Probably impossible	0.7	0.3	0.5	0.5	0.6	0.3	0.8	0.7	0.5

How easy to obtain heroin?

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
Very easy	4.3	3.7	3.8	5.0	5.2	5.1	3.3	2.6	4.2
Fairly easy	19.3	17.3	20.0	20.0	18.7	17.6	16.2	14.5	18.2
Fairly difficult	36.9	42.5	41.1	42.2	42.1	39.9	39.6	42.0	40.8
Very difficult	31.0	28.8	29.2	27.2	26.9	29.8	30.8	32.5	29.3
Probably impossible	8.6	7.7	6.0	5.6	7.2	7.7	10.2	8.5	7.5

How easy to obtain pain relievers to get high?

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
Very easy	23.1	20.5	20.2	19.3	19.5	18.7	15.7	15.9	19.3
Fairly easy	40.9	41.7	41.4	41.2	40.0	39.4	39.5	41.1	40.7
Fairly difficult	24.2	27.7	28.2	29.7	28.5	29.4	30.0	27.3	28.1
Very difficult	9.6	8.5	9.0	8.1	9.3	10.4	10.7	12.1	9.6
Probably impossible	2.2	1.7	1.3	1.7	2.7	2.1	4.1	3.6	2.3

Perceived physical risk due if 1 or 2 drinks every day

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
No risk	14.3	12.0	12.3	10.5	10.4	8.5	9.4	7.1	10.7
Slight risk	34.3	39.1	33.6	37.4	31.5	33.6	32.2	30.0	34.0
Moderate risk	33.3	32.7	34.5	33.2	39.1	35.7	37.1	39.1	35.5
Great risk	17.5	15.8	18.6	17.7	18.1	21.4	20.3	22.6	18.9
Don't know	0.6	0.4	1.0	1.1	0.9	0.9	1.1	1.3	0.9

Perceived physical risk if 5 or more drinks once or twice each weekend

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
No risk	2.9	2.7	2.6	3.3	2.8	3.0	3.0	3.4	3.0
Slight risk	18.9	19.3	19.1	17.3	17.8	18.6	20.7	18.9	18.7
Moderate risk	46.4	48.3	45.8	46.7	47.5	44.5	46.1	46.3	46.4
Great risk	30.9	29.5	31.5	31.8	31.0	32.8	29.2	30.2	31.0
Don't know	0.8	0.2	0.9	0.9	1.0	1.1	1.1	1.2	0.9

Physical risk if smoke one or more packs per day

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
No risk	1.9	1.7	2.9	2.3	1.6	3.3	3.3	2.1	2.4
Slight risk	4.2	3.5	3.3	4.5	3.8	4.5	5.1	4.7	4.1
Moderate risk	10.6	10.1	9.9	9.6	8.6	10.1	11.8	10.1	10.0
Great risk	82.5	84.2	83.0	82.5	84.9	81.2	78.2	82.3	82.5
Don't know	0.9	0.5	1.0	1.2	1.1	1.0	1.6	1.0	1.0

Physical risk if use e-cigarettes regularly

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
No risk	7.4	6.7	6.6	6.0	5.4	5.6	4.3	3.2	5.7
Slight risk	23.4	20.9	18.8	22.1	20.4	15.2	13.0	13.7	18.8
Moderate risk	37.3	36.8	36.1	39.7	38.5	33.4	36.2	34.3	36.7
Great risk	23.5	28.9	33.1	27.5	30.9	42.6	43.4	47.3	34.0
Don't know	8.4	6.6	5.5	4.7	4.8	3.2	3.1	1.6	4.8

Physical risk if use e-cigarettes regularly

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
No risk	32.5	32.5	32.7	37.4	36.3	35.6	34.9	34.1	34.6
Slight risk	39.5	43.6	42.3	40.9	43.3	41.0	45.2	45.0	42.4
Moderate risk	18.5	16.2	17.7	16.1	14.1	15.5	14.0	14.5	15.9
Great risk	8.2	6.2	6.1	4.0	4.5	6.7	4.1	4.5	5.5
Don't know	1.3	1.6	1.1	1.7	1.8	1.3	1.8	2.0	1.5

Physical risk if use marijuana regularly

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
No risk	14.1	12.3	12.9	16.6	14.8	15.0	11.6	10.2	13.6
Slight risk	27.5	32.7	32.7	32.8	35.2	31.8	35.8	35.6	32.9
Moderate risk	31.7	33.2	32.4	31.7	31.7	31.8	34.7	36.5	32.8
Great risk	25.4	20.0	20.6	17.2	16.9	19.7	16.4	15.9	19.1
Don't know	1.4	1.7	1.4	1.7	1.4	1.7	1.6	1.8	1.6

Psychological risk if 1-2 drinks nearly every day

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
No risk	10.4	9.6	10.4	7.3	8.8	6.7	7.1	6.0	8.4
Slight risk	28.1	32.8	26.4	30.3	24.6	23.2	25.3	21.5	26.5
Moderate risk	31.8	30.7	32.3	31.9	33.8	34.8	32.1	34.2	32.7
Great risk	29.2	26.5	30.0	29.6	32.2	34.3	34.9	37.0	31.6
Don't know	0.6	0.4	1.0	0.9	0.7	1.1	0.6	1.3	0.8

Psychological risk if have 5 or more drinks once or twice each weekend

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
No risk	2.9	2.5	2.5	2.0	2.6	2.7	2.9	3.1	2.6
Slight risk	16.0	18.0	17.4	15.4	15.5	16.0	16.7	15.0	16.2
Moderate risk	37.9	41.5	37.4	38.8	37.1	37.6	40.5	40.3	38.7
Great risk	42.4	37.5	41.6	43.0	43.9	43.0	39.1	40.4	41.6
Don't know	0.8	0.5	1.1	0.8	0.9	0.8	0.8	1.3	0.9

Psychological risk if use marijuana occasionally

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
No risk	25.0	26.9	26.2	31.5	31.3	29.4	27.9	30.2	28.6
Slight risk	36.9	41.3	38.6	39.3	39.4	37.9	42.0	41.9	39.5
Moderate risk	24.6	20.9	24.5	20.0	19.5	21.2	20.6	18.4	21.3
Great risk	12.2	9.7	9.5	7.8	9.0	10.6	8.1	7.8	9.4
Don't know	1.4	1.2	1.2	1.4	0.9	0.9	1.5	1.6	1.2

Psychological risk if use marijuana regularly

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
No risk	8.7	8.3	8.7	12.1	10.4	9.3	7.1	6.7	9.1
Slight risk	21.2	24.6	25.9	25.9	25.6	27.0	25.6	26.9	25.3
Moderate risk	31.0	33.2	31.2	32.4	33.2	29.8	35.5	35.3	32.5
Great risk	37.7	32.8	33.1	28.2	29.8	32.4	30.1	29.4	31.7
Don't know	1.5	1.2	1.3	1.4	1.0	1.5	1.7	1.7	1.4

How acceptable for someone your age in your community to use marijuana just once or twice

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
Totally acceptable	54.7	60.3	61.4	62.8	64.2	63.3	64.7	68.1	62.3
Somewhat acceptable	26.7	24.5	22.9	24.3	22.2	22.1	21.1	20.5	23.1
Somewhat unacceptable	9.8	8.5	8.8	6.0	6.9	7.0	7.3	5.4	7.5
Totally unacceptable	8.8	6.7	6.9	6.9	6.7	7.6	6.8	6.0	7.1

How acceptable for someone your age in your community to use marijuana nearly every day

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
Totally acceptable	18.4	19.9	22.2	23.5	23.8	25.4	23.1	25.5	22.7
Somewhat acceptable	31.8	34.0	34.7	36.4	37.2	34.3	37.3	38.7	35.5
Somewhat unacceptable	26.8	28.4	26.3	25.6	25.2	25.4	24.4	23.5	25.7
Totally unacceptable	23.0	17.8	16.8	14.6	13.8	14.9	15.3	12.2	16.1

How often use alcohol in past year

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
Never	15.7	14.5	17.6	20.2	19.7	21.5	22.0	21.7	19.1
Once a year	5.5	3.3	4.4	4.6	4.8	5.3	5.1	4.9	4.8
2 to 3 times a year	14.1	10.5	12.5	12.8	12.3	13.0	12.3	15.3	12.8
Every other month	7.5	7.4	7.1	7.7	8.0	7.2	8.0	6.9	7.5
Once a month	8.9	11.4	9.2	7.4	8.7	8.9	7.7	6.9	8.6
2 to 3 times a month	19.0	20.3	20.0	18.0	18.7	17.7	14.9	16.7	18.3
Once per week	11.5	12.4	11.3	11.6	10.3	10.7	10.0	9.3	10.9
More than once a week	13.0	15.0	12.8	12.8	12.4	11.0	13.4	13.3	12.9
Every other day	4.0	3.9	3.9	3.1	3.7	2.9	4.4	3.0	3.6
Every day	0.9	1.3	1.2	1.8	1.6	1.9	2.1	2.1	1.6

How often use e-cigarettes

Response	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%
Never	84.3	79.8	73.5	71.5	75.0	72.3	76.5
Once a year	3.7	3.8	4.8	4.4	3.1	4.2	4.0
2 to 3 times a year	4.7	5.0	6.0	6.1	6.1	4.4	5.4
Every other month	1.5	2.2	1.9	1.6	1.7	3.0	2.0
Once a month	1.0	1.8	1.2	2.2	1.5	1.3	1.5
2 to 3 times a month	1.2	1.4	2.3	2.5	2.3	2.1	1.9
Once per week	0.7	1.1	1.4	1.6	0.7	1.0	1.1
More than once a week	0.5	0.9	2.0	2.1	1.7	2.9	1.6
Every other day	0.5	0.6	1.4	1.2	1.2	1.1	1.0
Every day	1.9	3.3	5.5	6.7	6.8	7.8	5.1

How often use cigarettes

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
Never	69.3	72.6	77.6	75.3	78.8	81.1	83.3	83.1	77.4
Once a year	5.1	5.9	4.7	5.8	4.3	3.7	4.0	4.5	4.8
2 to 3 times a year	6.7	5.6	4.8	4.9	5.4	4.2	4.1	4.0	5.0
Every other month	2.2	1.8	1.8	2.0	1.2	1.6	2.2	1.3	1.8
Once a month	1.7	1.6	0.7	1.7	1.1	1.5	1.2	1.7	1.4
2 to 3 times a month	2.5	2.0	1.7	2.0	2.2	1.1	1.0	2.1	1.9
Once per week	1.3	1.5	0.9	1.3	0.9	0.9	0.5	0.5	1.0
More than once a week	2.3	2.1	1.1	0.9	1.5	1.3	0.8	0.9	1.4
Every other day	1.4	0.8	0.6	1.3	0.5	0.6	0.1	0.6	0.8
Every day	7.6	6.2	6.1	5.0	4.0	4.0	2.8	1.4	4.7

How often use marijuana for medical purposes

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
Never	85.3	85.5	87.3	85.0	84.6	84.5	86.3	86.5	85.6
Once a year	1.2	1.6	0.9	1.5	1.6	0.8	0.3	1.2	1.2
2 to 3 times a year	1.9	1.8	1.8	1.8	1.9	2.2	1.5	1.2	1.8
Every other month	0.9	1.0	0.6	0.7	0.7	1.1	0.9	0.9	0.8
Once a month	0.9	1.4	1.2	1.4	1.0	1.3	1.1	0.9	1.2
2 to 3 times a month	1.2	1.1	2.1	1.9	1.6	1.4	1.2	1.6	1.5
Once per week	1.6	1.1	0.7	0.7	1.1	1.2	1.5	0.9	1.1
More than once a week	1.7	2.2	1.5	2.4	2.0	1.7	1.9	1.8	1.9
Every other day	0.9	1.1	0.8	0.9	1.2	0.5	1.5	1.3	1.0
Every day	4.6	3.3	3.1	3.9	4.4	5.2	3.9	3.8	4.0

How often use marijuana for recreational purposes

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
Never	56.5	53.7	55.2	52.6	51.5	52.8	52.1	48.8	53.0
Once a year	7.5	8.3	8.0	6.4	6.7	6.4	5.9	7.1	7.0
2 to 3 times a year	8.6	9.6	9.7	10.2	10.5	9.8	8.8	9.8	9.7
Every other month	3.6	4.4	3.2	4.4	3.7	4.0	3.4	4.2	3.8
Once a month	3.2	3.6	3.1	3.6	3.2	3.7	4.3	3.7	3.5
2 to 3 times a month	3.9	5.2	3.9	5.5	5.4	4.8	4.8	4.8	4.8
Once per week	2.5	2.8	2.9	2.4	2.6	2.9	3.4	3.2	2.8
More than once a week	5.3	4.4	4.6	4.3	4.8	4.6	5.3	6.4	4.9
Every other day	2.6	3.4	2.4	3.6	3.6	2.9	3.9	4.3	3.3
Every day	6.3	4.7	7.0	7.1	8.0	8.2	8.3	7.7	7.2

How often use synthetic marijuana

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
Never	95.6	97.8	98.2	98.7	98.5	98.6	97.7	96.9	97.8
Once a year	1.8	1.5	1.1	0.5	0.4	0.5	0.5	0.8	0.9
2 to 3 times a year	1.3	0.3	0.5	0.3	0.5	0.3	0.3	0.8	0.5
Every other month	0.1	0.0	0.1	0.1	0.3	0.1	0.4	0.2	0.2
Once a month	0.2	0.0	0.1	0.1	0.1	0.1	0.3	0.1	0.1
2 to 3 times a month	0.3	0.0	0.0	0.1	0.0	0.1	0.3	0.2	0.1
Once per week	0.1	0.0	0.0	0.1	0.0	0.0	0.3	0.3	0.1
More than once a week	0.0	0.2	0.0	0.0	0.1	0.0	0.1	0.3	0.1
Every other day	0.2	0.0	0.0	0.1	0.0	0.2	0.0	0.0	0.1
Every day	0.5	0.2	0.0	0.0	0.1	0.2	0.1	0.6	0.2

How often use heroin

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
Never	97.4	99.1	99.0	98.8	99.4	99.2	99.1	99.2	98.9
Once a year	0.6	0.2	0.3	0.3	0.1	0.1	0.0	0.2	0.2
2 to 3 times a year	0.3	0.1	0.4	0.1	0.2	0.1	0.1	0.1	0.2
Every other month	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Once a month	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
2 to 3 times a month	0.4	0.1	0.0	0.0	0.1	0.1	0.4	0.1	0.1
Once per week	0.2	0.1	0.1	0.0	0.0	0.0	0.2	0.0	0.1
More than once a week	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.3	0.1
Every other day	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.0
Every day	0.8	0.2	0.1	0.5	0.1	0.3	0.1	0.0	0.3

How often use pain relievers to get high

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
Never	90.4	90.5	93.7	94.1	94.0	95.5	95.2	96.0	93.7
Once a year	3.4	3.9	2.7	1.9	2.9	2.1	2.1	1.6	2.6
2 to 3 times a year	3.0	3.4	2.7	2.5	2.3	1.8	1.2	1.3	2.3
Every other month	0.9	0.8	0.1	0.3	0.3	0.0	0.6	0.2	0.4
Once a month	1.0	0.9	0.3	0.2	0.1	0.1	0.2	0.0	0.3
2 to 3 times a month	0.5	0.2	0.2	0.5	0.3	0.2	0.4	0.1	0.3
Once per week	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1
More than once a week	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2
Every other day	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1
Every day	0.3	0.2	0.0	0.4	0.1	0.1	0.1	0.2	0.2

How often use methamphetamines

Response	5	6	7	8	Total
	%	%	%	%	%
Never	97.9	98.3	97.8	97.7	97.9
Once a year	0.8	0.5	0.4	0.3	0.5
2 to 3 times a year	0.4	0.2	0.4	0.7	0.4
Every other month	0.3	0.2	0.6	0.3	0.3
Once a month	0.1	0.2	0.0	0.0	0.1
2 to 3 times a month	0.0	0.2	0.0	0.1	0.1
Once per week	0.0	0.1	0.1	0.0	0.0
More than once a week	0.1	0.0	0.2	0.1	0.1
Every other day	0.1	0.1	0.3	0.5	0.2
Every day	0.3	0.3	0.2	0.3	0.3

How often "Juling"

Response	5	6	7	8	Total
	%	%	%	%	%
Never	85.6	79.1	82.3	80.0	82.0
Once a year	3.7	5.1	3.6	3.4	3.9
2 to 3 times a year	3.0	4.3	4.4	4.4	3.9
Every other month	0.9	1.2	1.3	2.0	1.3
Once a month	1.5	1.3	0.9	0.4	1.1
2 to 3 times a month	1.2	2.0	1.2	1.5	1.5
Once per week	0.8	1.2	0.7	0.8	0.9
More than once a week	1.2	1.5	1.4	1.8	1.5
Every other day	0.3	0.9	0.9	0.8	0.7
Every day	1.8	3.5	3.3	4.8	3.2

Have you used the following for non-medical use in past 30 days

Response	5	6	7	8	Total
	%	%	%	%	%
Did not take any	91.5	90.5	91.3	89.8	90.8
Used a stimulant	3.4	2.9	2.9	3.4	3.2
Used a painkiller	1.7	1.2	1.6	1.3	1.5
used a tranquilizer	1.3	0.8	1.1	1.0	1.1
used another kind of prescription drug	1.7	2.3	1.5	2.0	1.9
used an over-the-counter drug	3.2	4.8	2.7	4.7	3.8

Perceived how often typical person your age uses alcohol past year

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
Never	0.9	0.5	0.8	0.9	1.0	0.6	1.1	0.9	0.9
Once a year	0.6	0.4	0.3	0.4	0.5	0.2	0.6	0.5	0.4
2 to 3 times a year	2.7	1.2	2.6	2.0	1.8	2.1	1.8	3.0	2.2
Every other month	2.6	3.7	2.8	3.6	2.3	2.4	3.9	2.6	2.9
Once a month	6.2	6.5	6.2	6.6	5.5	6.4	4.6	5.1	5.9
2 to 3 times a month	19.9	20.1	19.1	20.0	15.8	16.9	17.3	17.1	18.3
Once per week	22.9	25.0	25.9	23.8	21.9	22.3	22.0	22.4	23.3
More than once a week	36.6	36.0	35.8	35.5	40.0	39.2	37.0	39.0	37.4
Every other day	5.9	4.9	5.4	5.1	8.0	6.4	8.6	7.1	6.4
Every day	1.7	1.6	1.2	2.2	3.2	3.7	3.1	2.4	2.4

Perceived how often typical person your age uses e-cigarettes past year

Response	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%
Never	9.8	8.4	5.6	3.3	5.0	4.1	6.3
Once a year	3.5	2.8	2.3	0.9	1.5	1.6	2.2
2 to 3 times a year	7.1	7.1	4.7	3.4	3.8	4.6	5.3
Every other month	4.8	5.5	3.3	2.8	2.6	3.4	3.9
Once a month	7.3	8.3	6.2	3.6	5.1	4.7	6.0
2 to 3 times a month	12.1	11.2	9.8	8.5	9.7	8.2	10.1
Once per week	9.7	9.5	9.7	9.1	10.4	10.3	9.8
More than once a week	21.6	18.9	23.8	23.9	26.0	23.2	22.7
Every other day	7.5	8.9	10.6	11.1	10.2	12.0	9.9
Every day	16.6	19.4	24.1	33.4	25.7	27.9	23.9

Perceived how often typical person your age uses marijuana for medical purposes past year

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
Never	34.1	34.4	32.9	27.4	29.0	27.7	27.2	27.9	30.1
Once a year	8.1	8.2	7.2	8.6	7.4	5.3	5.5	5.5	7.1
2 to 3 times a year	9.6	10.5	10.3	11.1	8.6	8.4	10.1	9.0	9.7
Every other month	6.5	6.3	4.9	6.4	4.4	5.1	4.6	5.3	5.4
Once a month	7.8	6.5	8.5	7.6	7.8	7.0	8.7	7.5	7.7
2 to 3 times a month	7.8	9.0	9.2	11.0	8.0	9.2	9.4	9.6	9.1
Once per week	5.3	5.8	6.3	7.2	8.9	9.0	8.3	9.3	7.5
More than once a week	11.4	8.9	10.9	11.0	12.4	12.2	13.0	13.1	11.6
Every other day	3.8	4.3	3.2	3.8	4.3	4.5	4.4	5.3	4.1
Every day	5.7	6.2	6.6	6.1	9.3	11.5	8.8	7.5	7.7

Perceived how often typical person your age uses marijuana for medical purposes past year

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
Never	2.4	2.4	1.6	2.3	2.1	1.5	2.4	1.9	2.1
Once a year	1.8	2.1	1.7	1.9	1.3	0.8	1.3	1.2	1.5
2 to 3 times a year	8.2	10.1	6.7	6.4	3.9	3.3	2.2	3.9	5.6
Every other month	7.0	7.3	5.3	4.6	3.1	3.9	4.4	3.5	4.9
Once a month	9.7	11.2	10.4	9.1	6.9	5.5	6.4	7.1	8.3
2 to 3 times a month	18.0	19.7	19.8	18.9	13.5	13.9	14.3	14.0	16.6
Once per week	12.7	12.7	15.4	13.9	14.3	12.9	12.6	14.1	13.7
More than once a week	22.1	20.7	21.4	23.9	27.1	25.9	28.6	29.2	24.7
Every other day	9.3	6.9	8.6	8.7	11.1	12.3	13.1	10.5	10.0
Every day	8.8	7.0	9.0	10.3	16.8	20.0	14.6	14.8	12.6

Perceived how often typical person your age uses marijuana for medical purposes past year

Response	6	7	8	Total
	%	%	%	%
Never	1.5	2.4	1.9	2.1
Once a year	0.8	1.3	1.2	1.5
2 to 3 times a year	3.3	2.2	3.9	5.6
Every other month	3.9	4.4	3.5	4.9
Once a month	5.5	6.4	7.1	8.3
2 to 3 times a month	13.9	14.3	14.0	16.6
Once per week	12.9	12.6	14.1	13.7
More than once a week	25.9	28.6	29.2	24.7
Every other day	12.3	13.1	10.5	10.0
Every day	20.0	14.6	14.8	12.6

How often typical person your age uses alcohol and marijuana at the same time

Response	6	7	8	Total
	%	%	%	%
Never	3.1	3.3	4.1	3.5
Once a year	6.1	5.2	5.0	5.5
2 to 3 times a year	12.3	13.5	13.2	13.0
Every other month	8.2	11.2	9.6	9.6
Once a month	16.6	16.0	17.1	16.6
2 to 3 times a month	21.5	20.7	20.4	20.9
Once per week	13.0	12.6	13.2	12.9
More than once a week	11.8	12.7	10.9	11.8
Every other day	3.2	2.6	2.7	2.9
Every day	4.1	2.3	3.8	3.5

How often typical person your age uses alcohol and marijuana at the same time

Response	6	7	8	Total
	%	%	%	%
Never	8.1	10.7	10.4	9.7
Once a year	15.5	15.5	15.9	15.6
2 to 3 times a year	17.5	20.9	18.5	18.9
Every other month	9.1	10.1	9.4	9.5
Once a month	12.5	12.1	10.5	11.7
2 to 3 times a month	14.1	13.5	13.4	13.7
Once per week	7.9	6.4	8.4	7.6
More than once a week	8.8	6.9	8.4	8.1
Every other day	2.2	2.2	1.8	2.0
Every day	4.2	1.8	3.2	3.1

How often typical person your age been passenger in car when driver used alcohol and marijuana at same time within 3 hours

Response	6	7	8	Total
	%	%	%	%
Never	7.3	10.0	10.4	9.1
Once a year	14.7	16.3	15.6	15.5
2 to 3 times a year	19.3	22.2	21.0	20.8
Every other month	10.0	9.9	9.7	9.8
Once a month	12.3	12.7	10.9	12.0
2 to 3 times a month	14.5	12.6	12.2	13.2
Once per week	7.2	5.8	6.8	6.6
More than once a week	8.7	7.1	8.5	8.1
Every other day	2.4	1.7	2.1	2.1
Every day	3.6	1.7	3.0	2.8

Mean age (years) at first substance use

Response	1	2	3	4	5	6	7	8
	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
Mean age at first alcohol use	16.6	16.4	16.7	16.7	16.7	16.7	16.8	16.8
Mean age at first cigarette use	16.4	16.6	16.6	16.5	16.6	16.4	16.4	16.8
Mean age at first cannabis use	16.7	17.0	17.1	17.0	17.1	16.9	17.1	17.1

How long since last used alcohol

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
I have never used	13.2	11.7	14.5	15.2	15.4	16.7	17.7	16.9	15.2
Within the past 30 days	63.2	67.2	63.1	59.3	61.1	56.5	56.3	56.9	60.6
More than 30 days ago, but within past 12 months	18.9	16.5	18.3	19.0	18.0	20.2	19.9	19.9	18.8
More than 12 months ago	4.7	4.6	4.1	6.5	5.4	6.6	6.0	6.3	5.5

How long since last used e-cigarettes

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
I have never used	70.6	68.9	73.6	68.0	63.6	60.2	64.1	59.5	66.4
Within the past 30 days	12.1	10.6	6.6	10.8	15.4	16.4	15.6	16.9	12.8
More than 30 days ago, but within past 12 months	12.5	12.6	9.3	9.9	10.3	12.0	8.3	9.2	10.5
More than 12 months ago	4.8	7.9	10.5	11.4	10.8	11.4	12.1	14.4	10.3

How long since last used tobacco

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
I have never used	53.6	54.6	59.6	59.5	61.8	65.9	69.0	69.0	61.3
Within the past 30 days	20.8	18.2	14.8	14.8	13.8	11.8	8.5	8.4	14.1
More than 30 days ago, but within past 12 months	11.6	11.4	9.6	11.1	10.4	8.7	10.1	9.2	10.3
More than 12 months ago	14.1	15.8	15.9	14.6	14.0	13.7	12.4	13.5	14.3

How long since last used cannabis

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
I have never used	44.3	40.7	42.1	40.3	38.6	40.5	41.5	38.1	40.8
Within the past 30 days	25.0	27.8	26.4	29.3	30.7	30.6	31.5	33.7	29.2
More than 30 days ago, but within past 12 months	16.1	16.4	16.5	17.5	16.2	16.3	15.7	16.4	16.4
More than 12 months ago	14.6	15.1	15.0	12.9	14.6	12.6	11.3	11.8	13.6

Related to cannabis, which would you be most likely to do in the next 12 months

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
Not use it	58.8	54.9	56.6	52.4	52.3	52.4	50.6	45.9	53.2
Try it	4.6	5.9	5.1	5.6	5.8	6.0	5.9	7.1	5.7
Use it about as often as I do now	23.0	24.4	24.5	27.3	26.2	26.7	26.7	28.1	25.8
Use it more often than I do now	3.3	3.8	2.9	2.6	3.6	3.6	3.6	5.2	3.5
Use it loess often than I do now	6.3	6.8	5.9	7.0	7.6	7.0	8.3	9.6	7.2
Don't know	4.1	4.2	5.1	5.0	4.4	4.3	5.0	4.2	4.6

How often typical person your age been passenger in car when driver used alcohol and marijuana at same time within 3 hours

Response	6	7	8	Total
	%	%	%	%
0 times	89.1	92.8	88.8	90.2
1 time	7.9	4.2	6.6	6.3
2-3 times	2.5	2.5	3.0	2.6
4-5 times	0.3	0.4	0.9	0.5
6 or more times	0.3	0.1	0.7	0.4

Past 30 days passenger in car with driver who had too much to drink

Response	6	7	8	Total
	%	%	%	%
0 times	89.1	92.8	88.8	90.2
1 time	7.9	4.2	6.6	6.3
2-3 times	2.5	2.5	3.0	2.6
4-5 times	0.3	0.4	0.9	0.5
6 or more times	0.3	0.1	0.7	0.4

Past 30 days been passenger in car when driver used cannabis within 3 hours

Response	6	7	8	Total
	%	%	%	%
0 times	79.1	82.5	76.9	79.4
1 time	7.6	5.4	9.5	7.6
2-3 times	7.1	8.1	7.9	7.7
4-5 times	2.6	1.4	1.9	2.0
6 or more times	3.6	2.6	3.8	3.4

Past 30 days passenger in car when driver used alcohol and cannabis within 3 hours of driving

Response	6	7	8	Total
	%	%	%	%
0 times	94.8	96.3	93.8	94.9
1 time	3.2	2.0	2.6	2.6
2-3 times	1.4	1.5	1.8	1.6
4-5 times	0.6	0.2	0.6	0.4
6 or more times	0.0	0.1	1.2	0.4

Have medical marijuana card

Response	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%
No	92.5	94.8	95.8	96.4	97.6	96.3	96.0	95.8
Yes	7.5	5.2	4.2	3.6	2.5	3.7	4.0	4.2

Past 30 day injected any drug

Response	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%
No	98.8	99.2	98.6	99.0	98.7	98.5	98.9	98.9
Yes	1.2	0.8	1.4	1.0	1.3	1.5	1.1	1.2

How high usually get when using cannabis

	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
Not at all	2.8	5.1	5.3	3.9	4.1	4.3	3.5	4.1	4.2
A little	28.2	32.0	28.8	28.7	28.7	33.1	31.1	29.2	29.8
Moderately	52.3	51.3	55.1	53.5	52.3	46.4	53.7	51.8	52.1
Very	16.7	11.6	10.8	13.9	14.8	16.3	11.7	14.9	13.9

How long usually stay high on typical cannabis use day

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
usually don't get high	4.8	6.9	6.8	6.2	6.2	6.1	6.1	5.5	6.1
less than 1 hour	10.5	7.1	7.7	6.8	8.6	8.1	8.2	6.4	7.9
1-2 hours	36.0	37.5	34.8	36.3	32.3	33.1	31.7	30.9	34.1
3-4 hours	34.9	34.9	41.0	35.6	37.3	36.2	37.0	39.6	37.2
5-6 hours	9.4	9.0	6.7	11.3	11.1	10.3	10.8	11.9	10.0
7-8 hours	2.0	2.1	0.7	1.9	2.4	2.6	3.0	2.7	2.1
9-10 hours	0.9	0.9	0.9	0.7	1.0	1.0	1.0	0.3	0.8
11-12 hours	0.3	0.8	0.6	0.4	0.6	0.8	0.5	0.9	0.6
13-18 hours	0.6	0.7	0.4	0.4	0.4	0.6	1.1	0.3	0.5
19-24 hours	0.6	0.3	0.6	0.6	0.2	1.4	0.8	1.5	0.7

How has frequency of cannabis use changed over last year

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
Declined sharply	28.0	26.7	22.8	23.2	23.3	28.0	18.4	19.7	23.7
Down a little	14.9	17.5	17.2	13.9	15.8	15.4	11.5	15.1	15.2
About the same	35.3	26.9	31.4	30.4	30.4	26.5	26.1	23.8	29.1
Up a little	14.9	21.2	19.6	20.6	19.7	18.1	25.5	20.7	19.9
Up sharply	7.0	7.6	9.1	11.9	10.8	12.0	18.6	20.7	12.1

How has cannabis use affected alcohol use

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
Led to less alcohol use	35.0	34.6	37.6	35.6	40.0	35.0	34.9	34.0	36.1
Led to more alcohol use	5.2	4.8	3.7	3.3	4.4	5.4	5.7	5.7	4.7
No effect	55.1	55.0	52.4	55.3	49.0	53.3	51.8	52.9	53.0
Don't know	4.7	5.6	6.3	5.8	6.7	6.4	7.6	7.4	6.3

Mean number of alcohol and cannabis use days in past 30 days

Response	1	2	3	4	5	6	7	8
	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
Number of days used alcohol	5.0	5.4	5.2	5.2	5.0	4.6	5.2	5.0
Number of days used cannabis	8.6	8.2	8.5	8.6	9.4	9.1	10.1	9.8

How has cannabis use affected alcohol use

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
Bought from retail store using fake ID	0.9	0.8	2.0	0.7	1.0	0.6	2.4	3.5	1.5
Bought from retail store not using fake ID	5.7	35.8	52.5	51.7	52.6	51.0	55.3	49.3	45.3
Got it from medical dispensary	17.8	15.1	10.6	8.2	8.9	12.3	12.9	14.4	12.2
Gave money to someone	21.2	16.1	15.7	17.5	17.0	17.9	15.5	16.7	17.2
Stole it from store	1.7	0.1	0.4	0.2	0.1	0.1	1.9	1.1	0.7
Got it from parents with their permission	5.0	4.4	5.0	6.3	7.0	6.7	5.7	7.9	6.1
Took it from parents without their permission	1.2	1.1	0.5	0.3	1.2	0.5	0.2	1.4	0.8
Got it from other family member	9.1	7.2	6.3	7.9	7.7	6.7	6.7	6.1	7.2
Got it from friends	69.7	62.1	50.4	50.0	44.4	38.2	33.9	39.9	48.1
Got it at a party	16.3	14.6	14.4	13.6	11.3	11.9	3.9	13.1	12.4
Got it from someone with medical marijuana card	18.4	11.0	3.0	3.1	1.1	1.4	1.6	2.0	4.7
Grew it myself	1.7	2.4	1.5	1.3	1.7	1.5	1.3	1.3	1.6
Got it some other way	7.8	5.8	4.1	5.3	5.0	4.6	2.3	3.5	4.8

How used marijuana, if used

Response	5	6	7	8	Total
	%	%	%	%	%
Smoked it	83.6	76.4	71.9	70.8	76.2
Ate it	36.9	39.8	46.4	48.8	42.5
Drank it	6.0	5.8	9.9	7.5	7.1
Vaporized it	37.6	43.0	43.7	47.2	42.5
Dabbing	23.2	24.2	23.0	19.2	22.4
Some other way	1.8	2.2	2.0	1.7	1.9

Preferred method of use

Response	5	6	7	8	Total
	%	%	%	%	%
Smoked it	56.7	52.2	46.9	44.0	50.4
Ate it	16.9	20.3	23.8	28.4	22.0
Drank it	0.7	0.3	2.7	0.8	1.1
Vaporized it	15.8	16.6	17.0	20.2	17.3
Dabbing	8.5	9.3	8.1	5.6	7.9
Some other way	1.4	1.4	1.6	1.0	1.3

In past 30 days, how much marijuana used on average day when used

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
<.5 grams	34.2	46.6	40.4	44.4	45.2	47.1	41.5	47.7	43.1
.5 grams	21.7	22.5	20.9	22.8	21.5	18.7	20.7	22.6	21.3
1 gram	24.8	18.8	22.9	19.1	13.4	15.6	18.1	13.4	18.0
2 gram	8.7	8.9	8.3	6.2	9.9	7.7	9.7	6.6	8.1
3 grams	4.3	1.6	2.5	3.2	3.4	3.3	3.6	3.1	3.3
4 grams	2.5	0.6	2.1	2.6	1.2	3.7	0.7	1.8	2.1
5 grams	1.0	0.2	0.9	0.1	1.2	1.0	0.8	0.9	0.8
>5 grams	2.9	0.7	2.1	1.7	4.3	2.9	5.0	4.0	3.2

During past 30 days, problems with emotions or mental health caused by cannabis use

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
No	87.0	81.0	79.9	84.3	79.7	77.3	76.8	75.6	80.2
Yes	8.1	13.4	13.3	9.6	12.5	15.5	16.4	14.3	12.8
Not sure	5.0	5.6	6.8	6.1	7.8	7.3	6.9	10.1	7.0

During past 30 days, problems with physical health caused by cannabis use

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
No	91.0	91.1	88.6	88.9	88.8	87.5	84.2	85.2	88.2
Yes	7.9	5.2	8.2	6.0	8.9	7.8	10.0	9.3	7.9
Not sure	1.1	3.8	3.2	5.1	2.3	4.7	5.8	5.5	3.9

How many times had munchies during the past 30 days due to marijuana use

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
0 times	10.2	16.5	15.3	14.1	13.9	14.9	12.4	14.5	14.0
1-2 times	33.4	34.1	34.4	33.8	28.2	32.4	33.4	26.9	32.0
3-5 times	22.0	21.3	20.3	20.6	23.5	17.8	15.1	25.1	20.9
6-10 times	10.4	8.5	11.6	10.0	10.1	11.0	14.4	12.3	11.0
More than 10 times	24.0	19.6	18.4	21.5	24.3	23.8	24.7	21.2	22.2

How many times had trouble sleeping during past 30 days due to marijuana use

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
0 times	85.5	85.5	84.1	83.6	83.0	83.6	75.6	75.6	82.1
1-2 times	8.9	11.6	11.7	10.4	11.1	12.8	13.4	16.7	12.0
3-5 times	2.5	2.3	3.5	2.8	2.9	2.1	4.6	3.3	3.0
6-10 times	2.5	0.4	0.5	1.9	1.2	0.6	3.9	2.1	1.6
More than 10 times	0.7	0.3	0.2	1.4	1.8	0.9	2.6	2.3	1.3

How many times had low motivation during past 30 days due to marijuana use

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
0 times	49.6	48.8	51.8	52.1	54.2	49.8	43.0	44.1	49.5
1-2 times	31.5	30.5	28.2	29.5	25.3	26.5	28.1	29.9	28.5
3-5 times	10.0	13.6	12.6	11.5	12.3	13.0	16.0	15.8	13.0
6-10 times	5.3	5.1	5.1	3.4	4.0	7.7	6.4	6.6	5.3
More than 10 times	3.6	2.1	2.4	3.5	4.2	3.1	6.6	3.6	3.6

How many times had trouble concentrating during the past 30 days due to marijuana use

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
0 times	48.9	50.1	43.9	45.1	41.8	40.9	35.7	31.4	42.1
1-2 times	27.5	32.0	33.2	32.2	34.0	31.3	34.8	38.5	33.0
3-5 times	16.3	12.4	15.0	14.5	16.3	15.9	16.9	17.3	15.6
6-10 times	4.2	4.5	4.2	4.9	5.1	8.1	9.7	7.5	5.9
More than 10 times	3.1	1.0	3.7	3.3	2.8	3.9	2.9	5.4	3.3

How many times had trouble remembering things during the past 30 days due to marijuana use

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
0 times	45.3	47.6	41.9	46.9	44.9	42.6	35.0	36.9	42.7
1-2 times	29.9	33.6	33.6	28.7	29.1	30.2	33.8	30.9	31.1
3-5 times	14.9	12.8	13.0	15.4	15.2	14.3	17.9	17.1	15.1
6-10 times	6.5	3.7	5.7	5.3	6.9	7.8	7.0	7.4	6.3
More than 10 times	3.5	2.4	5.8	3.6	3.9	5.2	6.3	7.7	4.8

How many times drive after using cannabis while still feeling high during the past 30 days

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
0 times	64.1	63.7	70.9	70.0	71.9	70.5	77.7	77.2	70.9
1 time	10.3	11.9	9.1	9.5	7.9	9.8	6.4	7.9	9.0
2-3 times	10.4	9.5	7.2	10.7	7.5	7.5	7.6	7.5	8.5
4-5 times	3.8	3.3	2.9	3.3	3.7	2.7	2.9	3.2	3.2
6 or more times	11.4	11.6	9.9	6.5	9.0	9.6	5.4	4.4	8.4

How many times drive after using cannabis within 3 hours of use during the past 30 days

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
0 times	50.6	55.3	58.2	58.6	58.7	61.8	65.0	66.4	59.4
1 time	14.1	13.1	12.5	12.9	12.1	8.3	9.6	10.3	11.6
2-3 times	13.3	12.3	12.0	12.0	10.6	11.7	11.2	10.5	11.7
4-5 times	6.4	4.4	3.5	4.5	6.0	4.0	4.5	4.4	4.7
6 or more times	15.6	14.9	13.9	12.1	12.5	14.2	9.7	8.5	12.6

How many times used alcohol and cannabis at the same time during past 30 days

Response	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%
0 times	60.4	38.0	46.1	44.3	52.7	48.8	48.5	48.3
1 time	20.1	27.2	22.7	25.5	21.1	22.2	23.5	23.3
2-3 times	12.0	21.8	20.7	18.5	16.1	18.6	17.5	17.9
4-5 times	2.6	6.2	5.7	5.6	4.5	6.3	6.5	5.3
6 or more times	5.0	6.8	4.9	6.1	5.6	4.2	4.0	5.3

How many times driven a car within 3 hours of using alcohol and cannabis at same time during past 30 days

Response	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%
0 times	89.5	89.1	91.8	92.6	91.7	92.5	91.8	91.3
1 time	3.8	5.4	4.4	4.2	4.2	3.4	3.5	4.2
2-3 times	3.3	3.5	2.6	2.4	1.7	3.2	3.5	2.9
4-5 times	0.8	0.6	0.3	0.1	0.6	0.7	0.4	0.5
6 or more times	2.5	1.5	0.9	0.7	1.9	0.3	0.8	1.2

Month or more when spent a lot of time getting, using, or getting over effects of marijuana

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
No	80.6	82.7	80.1	81.8	79.1	76.5	77.6	76.8	79.4
Yes	19.4	17.3	19.9	18.2	21.0	23.5	22.4	23.2	20.6

Tried to set limits on how much marijuana used

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
No	57.8	58.7	56.6	53.4	53.5	52.1	52.4	52.7	54.6
Yes	42.2	41.3	43.4	46.6	46.5	47.9	47.6	47.3	45.4

Using same amount of marijuana had less effect

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
No	71.1	75.2	71.2	70.8	70.3	68.6	64.2	65.6	69.7
Yes	29.0	24.8	28.8	29.2	29.8	31.4	35.8	34.4	30.3

Want or try to cut down or stop using marijuana

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
No	68.1	67.5	68.9	66.6	65.0	64.6	64.2	61.5	65.8
Yes	31.9	32.5	31.1	33.4	35.0	35.4	35.9	38.5	34.2

Any problems with emotions or mental health caused by marijuana use

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
No	87.8	84.8	85.3	86.6	82.2	80.9	79.9	79.6	83.5
Yes	12.2	15.2	14.7	13.4	17.8	19.2	20.1	20.4	16.5

Physical health problems caused by marijuana use

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
No	94.3	95.9	93.9	94.8	92.6	93.0	90.6	91.0	93.3
Yes	5.8	4.1	6.2	5.2	7.4	7.1	9.4	9.0	6.7

Able to keep to limits set on marijuana use during past 12 months

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
Usually kept to limits	84.5	85.2	84.2	84.8	83.0	81.8	79.9	80.0	82.9
Often used more than intended	11.9	13.8	13.0	12.8	15.0	13.6	17.6	18.2	14.5
Don't know	3.6	1.1	2.8	2.4	2.0	4.6	2.5	1.8	2.6

Able to cut down or stop using marijuana every time tried during past 12 months

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
No	12.5	12.7	15.2	12.6	14.9	16.7	23.2	24.1	16.5
Yes	87.6	87.4	84.8	87.4	85.2	83.3	76.8	75.9	83.5

Continue to use marijuana though causing physical or emotional problems during past 12 months

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
No	46.0	48.3	46.5	47.8	44.2	43.7	34.5	44.9	44.2
Yes	54.0	51.7	53.5	52.2	55.8	56.3	65.5	55.1	55.8

Number of drinks and hours drinking

Response	1	2	3	4	5	6	7	8
	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
Number of drinks on occasion when drank the most during past 30 days	4.8	4.6	4.4	4.2	5.2	5.1	5.0	5.0
Hours spend drinking on occasion when drank the most during the past 30 days	3.4	3.3	3.1	3.1	3.8	3.8	3.7	3.8
Number of drinks during typical drinking occasion during past 30 days	2.4	2.3	2.2	2.1	2.5	2.6	2.5	2.5
Hours spent drinking during typical drinking occasions during past 30 days	2.4	2.2	2.2	2.1	2.5	2.5	2.4	2.5

Problems with emotions or mental health caused by alcohol use during past 30 days

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
No	86.7	84.2	87.4	86.7	80.2	84.0	80.3	80.3	84.3
Yes	8.0	10.3	8.3	8.3	12.4	10.1	12.8	11.8	9.9
Not sure	5.3	5.5	4.4	5.0	7.4	5.9	6.9	7.9	5.8

Problems with physical health caused by alcohol use during past 30 days

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
No	86.2	84.7	88.3	85.8	83.1	84.7	81.9	82.5	85.1
Yes	10.4	12.4	9.0	10.9	12.7	10.4	14.1	11.7	11.0
Not sure	3.4	3.0	2.8	3.3	4.3	4.8	3.9	5.7	3.8

Number of times drive a car after consuming alcohol during past 30 days

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
0 times	81.9	78.5	82.6	84.1	80.9	81.1	84.8	81.7	82.4
1 time	10.6	10.5	10.0	8.9	11.7	10.6	8.4	9.6	10.0
2-3 times	5.8	8.8	5.6	5.4	5.5	6.2	5.2	6.8	5.7
4-5 times	0.8	1.2	0.8	0.9	0.9	0.9	1.1	1.2	0.9
6 or more times	0.9	1.1	1.0	0.7	0.9	1.2	0.6	0.7	0.9

Cigarette and e-cigarette use

Response	1	2	3	4	5	6	7	8
	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
Number of days smoked cigarettes during past 30 days	9.7	8.9	9.4	8.1	7.0	8.6	6.4	3.8
Number of cigarettes smoked on typical smoking day	3.4	3.3	3.3	3.0	2.8	3.2	3.2	1.8
number of days used electronic cigarettes during past 30 days	2.9	2.6	2.1	3.8	5.7	8.2	8.4	10.7

Visit a doctor or health care provider for any reason in past year

Response	1	2	3	4	5	6	7	8	Total
	%	%	%	%	%	%	%	%	%
No	25.8	21.4	25.0	26.3	28.3	31.8	30.2	29.4	27.9
Yes	74.2	78.6	75.0	73.7	71.7	68.3	69.8	70.6	72.1

Technical notes

Overview

The Washington Young Adult Health Survey (YAHS) is an online annual assessment of marijuana, alcohol, and other substance use as well as risk and protective factors related to use, assessed in the context of other health behaviors relevant to the young adult populations. The goal of the survey is to evaluate the impact over time of Initiative 502 (I-502) and Initiative 1183 (I-1183) legislation on young adults (ages 18-25 at study entry) sampled from across Washington State in a way that reaches less easily accessible populations (e.g., rural participants, those outside a college setting, etc.) than are typically included in research studies (e.g., those in high school or college settings). In consultation with the Washington State Health Care Authority's Division of Behavioral Health and Recovery and numerous stakeholder groups within Washington, the methodology was developed to conduct a cohort-sequential research design utilizing a combination of online and direct mail advertising for recruitment. The Center for the Study of Health & Risk Behaviors (CSHRB) at the University of Washington was contracted to conduct the YAHS starting in 2014. Results for this report are from the baseline (Year 1) survey from Cohort 8 in 2021.

Recruitment

Participants for this survey were recruited using a combination of both online and direct mail advertising. Direct mail advertising was facilitated through access to Washington State Department of Licensing (DOL) records. Advertising strategies included ads on social media and online sites including Facebook, Craigslist (both free and paid advertising in multiple counties statewide), and Amazon Mechanical Turk (MTurk), as well as a dedicated study website and Facebook Fan Page. Although the DOL advertising was sent to a random sample of licensed drivers within the state and thus could be considered representative of this population, participants from all sources were combined in the current study and thus the sample overall should be considered a sample of convenience. Nonetheless, the respondents were recruited from a broad geographic region, and the sampling strategy was successful in identifying individuals from all ages within the target range and from a variety of racial, ethnic, sexual minority, gender identity, and socioeconomic backgrounds. Participation was confidential, and participants received an electronic gift card with a value of \$10 for survey responses.

Participants completed a brief screening survey to determine whether they met inclusion criteria of age (18-25) and residence (Washington State), prior to completing a baseline survey about their behaviors and attitudes regarding substance use and related health risk behaviors. The screening survey was open to all respondents regardless of how they were reached (i.e., both direct mail and online advertising provided the identical link for screening participation). Only participants who were determined to be eligible for participation based on their screening responses (age 18-25, Washington resident) were routed to the baseline Washington Young Adult Health Survey. Both the screening and baseline surveys were implemented using DatStat Illume survey software, using a secure server supporting 128-bit encryption. All measures and procedures were reviewed and approved by the University of Washington Institutional Review Board.

Weighting procedures

There were some differences in the distribution of demographic characteristics between the Washington Young Adult Health Survey (YAHS) samples and the general young adult population in Washington State according to the 2010 U.S. Census. In order to account for these differences in selection probabilities and improve generalizability of findings, post-stratification weighting was used. Post-stratification weighting is commonly used to account for unequal study selection probabilities after data have been collected in research surveys

(Kish, 1992; Little, 1993) and can yield minimally-biased estimates when using data from convenience (non-representative) samples (Wang et al, in press). This method has also been used to match survey samples to the general population according to selected demographics after accounting for sampling design in large descriptive epidemiologic studies such as the National Comorbidity Study (Kessler et al, 1994). The general principle of post-stratification weighting is that those within demographic strata that have a low selection probability in relation to their representation in the general population are up-weighted and those with a high selection probability are down-weighted. By doing so, the weighted sample will be similar to the population of inference according to the characteristics defined by the strata.

Creation of the post-stratification weights required multiple steps. First, the demographic strata on which to base the weights were defined. In the DBHR sample, strata were defined according to three characteristics: sex, race/ethnicity, and DSHS region. Because there were two possible categories for sex, eight categories for race/ethnicity, and three DSHS regions, participants were assigned to one of 48 (2 x 8 x 3) sex-race-region strata. Next, for each stratum, the proportions that were observed in the Washington young adult general population according to the Census and in the DBHR study sample were calculated by dividing the number in that stratum by the total number in the respective sample. Finally, the weights for each stratum were calculated by dividing its proportion in the Census by its proportion in the DBHR sample. Weights were calculated separately for each cohort.

These weights were then applied to analyses of the DBHR sample. As an illustration, to obtain weighted prevalence estimates, the weighted count, N_{rc} for the cell with row r and column c , was divided by the sample size. The weighted cell count is derived as:

$$N_{rc} = \sum_{j=1}^m w_j y_{(rc)j}$$

where $j=1\dots m$, indexes participants in the sample, w is the post-stratification weight, y is 1 if in the given cell rc and 0 otherwise. After applying the weights to the study sample, the distribution of the demographic characteristics used to create the strata for weighting were nearly identical to the general population. Weighted analyses including estimates of standard errors and 95 confidence intervals were performed in Stata 16 using the survey commands and the “pweight” option to specify the post-stratification weights (StataCorp, 2015).

Contact information

To learn more about the WYHAS, please visit the [University of Washington's website](#). If you have questions or concerns, feel free to [email the University of Washington](#) or call 206-685-5679.