

Marijuana Use and Public Perceptions in Los Angeles County:



Findings from the 2017 Community Needs Assessment

Health Outcomes and Data Analytics Unit
Substance Abuse Prevention and Control
Los Angeles County Department of Public Health



September 2018

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Acknowledgements

Special thanks to the Community Needs Assessment (CNA) Workgroup members from SAPC-contracted prevention service agencies for their participation in the project conception, planning, survey design and development, pilot testing, community outreach, participant recruitment, and data collection, as well as the participating agencies for their enormous effort in data collection and making the project possible.

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Avalon Carver Community Center	Jewish Family Service of Los Angeles	Prototypes
Behavioral Health Services	Koreatown Youth & Community Center	Pueblo Y Salud
California Hispanic Commission on Alcohol and Drug Abuse	Los Angeles County Office of Education	San Fernando Valley Partnership, Inc.
Cambodian Association of America	Friday Night Live	Social Model Recovery Systems, Inc.
Children's Hospital Los Angeles	National Council on Alcoholism and Drug Dependence of East San Gabriel and Pomona Valleys	South Central Prevention Coalition
City of Pasadena Public Health	National Council on Alcoholism and Drug Dependence of the San Fernando Valley	SPIRITT Family Services
Clare Foundation	Pacific Clinics	Tarzana Treatment Centers
Community Coalition for Substance Abuse Prevention & Treatment	People Coordinated Services of Southern California	The Wall Las Memorias Project
Day One		Volunteers of America
Helpline Youth Counseling, Inc.		Watts Healthcare Foundation, Inc.



Executive Summary

Prevalence and Use Behaviors

- Nearly half (48.1%) of LAC residents aged 12 or older used marijuana at least once in their lifetime, and 13.8% used marijuana in the past 30 days.
- LAC residents were an average age of 17 years when they first used marijuana, with 61.0% first using marijuana before age 18.
- The most common reasons for using marijuana were for fun (63.6%), to relax (52.4%), and to get high (32.7%). Nearly all marijuana users (95.4%) had used marijuana by smoking. More than half had used marijuana edibles (54.6%), and 27.7% had vaped marijuana.
- Marijuana users were more likely than non-users to have close friends (67.0% vs. 20.7%) or family members who use marijuana (58.8% vs. 19.5%).
- Overall, most LAC residents typically used marijuana with friends (65.6%), while 24.5% used alone and 8.3% used with family members.
- In addition, 5.4% of LAC residents aged 12 or older used synthetic marijuana (e.g., K2/Spice), at least once in their lifetime, and 1.2% used synthetic marijuana in the past 30 days.

Accessibility/Availability

- Over three-fifths (61.8%) of LAC residents aged 12 or older perceived easy marijuana access around their neighborhood. Among marijuana users, 81.2% reported that marijuana was easy for them to obtain.

- Marijuana users most commonly obtained their marijuana from a friend (57.8%), followed by a dispensary (21.0%), family/relative (11.1%), and dealer (5.6%).

Harms and Risks of Use

- Over a third of marijuana users (39.1%) reported driving under the influence of marijuana (DUI); however, when asked about ways their marijuana use caused harm, only 16.4% reported DUI as a harm.
- Over half of marijuana users (59.4%) reported their marijuana use did not cause any harms. In addition to DUI, the most common harms reported were decreased personal motivation to succeed (12.5%) and engagement in illegal activities (11.6%).
- 27.2% of users had gone to work/school under the influence of marijuana.
- Over a third of LAC residents (35.5%) had been a passenger in a car when the driver was driving under the influence of marijuana. Among those passengers, the driver was most commonly a friend (72.2%), followed by a family member (21.6%), and partner (21.4%).
- Half (49.8%) of LAC residents aged 12 or older perceived that it is a great risk for youth to use marijuana 1-2 times per week (i.e., regular use), while a third (32.7%) perceived that it is a great risk for adults to regularly use marijuana. Marijuana users were less likely than non-users to perceive that regular marijuana use is a great risk for youth (33.5% vs. 64.8%) and adults (14.8% vs. 49.2%).

Purpose

The Community Needs Assessment (CNA) was a community-wide effort to address the current data gap for smaller regions, specific topics, and underrepresented demographic groups related to marijuana use and associated problems and perceptions, and to identify disparities and potential risk or protective factors to target communities in Los Angeles County (LAC). The CNA provides a comprehensive profile of marijuana use problems that will facilitate community prevention service providers, other stakeholders, and policymakers in making informed decisions about prioritizing problems, strategic planning, and resource allocation for implementing solutions to address the needs of the target communities.

CNA Workgroup

The CNA Workgroup was established to oversee and conduct the CNA, to ensure geographic and sociodemographic coverage, and to conduct the CNA in a culturally competent way throughout the process. The CNA Workgroup was comprised of representatives from the Health Outcomes and Data Analytics (HODA) Unit and Prevention Services at the LAC Department of Public Health (DPH), Substance Abuse Prevention and Control (SAPC), and SAPC-contracted community prevention service providers. The CNA Workgroup was led by HODA and worked closely together in the project conception, planning, survey design and development, pilot testing, community outreach, participant recruitment, and data collection.

Research Ethics

The CNA project was approved by the LAC DPH Institutional Review Board.

Survey Tool

The survey was a comprehensive 72-item questionnaire that included questions on marijuana and prescription drug use and related domains, along with sociodemographic and geographic questions. Paper (about 20-30 minutes) and online SurveyMonkey (about 10-15 minutes) versions of the CNA were available in English, Spanish, and Khmer. Several questions on the youth survey (aged 12-17) were worded differently from the adult survey (aged 18+).

Participant Recruitment

The prevention providers promoted the CNA efforts by mailing SAPC support letters to school administrators and community and business leaders, and by distributing flyers and delivering presentations to prevention agencies, community centers, public events, and other public places (e.g., libraries). Some survey participants also recruited their friends and acquaintances to take the survey. All providers offered incentives (e.g. gift cards of \$5-\$20, pizza, t-shirts, coffee, raffle drawings) to participants depending on their funding availability, resources, and/or donations from their community members.

Data Collection

During June to October 2017, SAPC-contracted prevention service providers and the Long Beach Department of Health and Human Services (LB-DHHS) administered the survey to a diverse sample of youth and adult participants across LAC from a wide array of community settings, including schools, after-school programs, parks, libraries, neighborhood council meetings, public and senior housing developments, churches, farmer's markets, health fairs, health and social services waiting rooms, community events, government buildings, and YMCAs.

Population Weights

Sampling weights accounting for differences in the age, gender, and race/ethnicity distribution between the sample and population were calculated based on the American Community Survey (ACS) population data. These sampling weights were applied to the sample data to reduce sampling error and to produce estimates representative of the population. Since the ACS questionnaire does not include transgender as an option, their sampling weights could not be calculated. Therefore, population estimates for transgender group were not provided in this report.

Analytic Sample

A total of 9,487 surveys were collected by SAPC contracted prevention providers. Although 799 additional surveys were collected by LB-DHHS, they were excluded from this report because an abbreviated version of the survey and alternative data collection methods were employed that may not be comparable to those used by the SAPC-contracted prevention providers. Of those 9,487 surveys, records with missing values on any of the weighting variables (i.e., age, gender, race/ethnicity) were excluded (N=1,849). The final analysis sample consisted of 7,638 surveys.

All missing and unknown response values were excluded from individual calculations where applicable. Estimates with big proportion of missing values for some categories (e.g., SPA/SD) should be interpreted with caution.

Statistical Methods

Estimates and their variances were calculated using statistical procedures PROC SURVEYFREQ and PROC

SURVEYMEANS. Criteria for determining that the estimate is statistically stable included a relative standard error (RSE) less than 30% and a sample size for subgroup analyses larger than 70. Statistically unstable estimates are not reliable and may not be appropriate to use for planning or policy purposes.

Report Organization

This report provides an overview of the findings of the countywide CNA, including prevalence of use; use behaviors; perceived risk, accessibility, and availability; and consequences of use within LAC communities. Results are presented for LAC overall, geographic region (SPA and SD) and by demographic. Key findings are presented in the *Executive Summary* section, and a detailed summary of the findings are presented at the end of the report. Detailed result tables with confidence intervals for all items in the main report are presented in *Appendices A-W*.

Data for Native Hawaiian and other Pacific Islanders (N=67) and American Indian/Alaskan Natives (N=68) were presented only for prevalence indicators and suppressed in all other instances due to the small sample size.

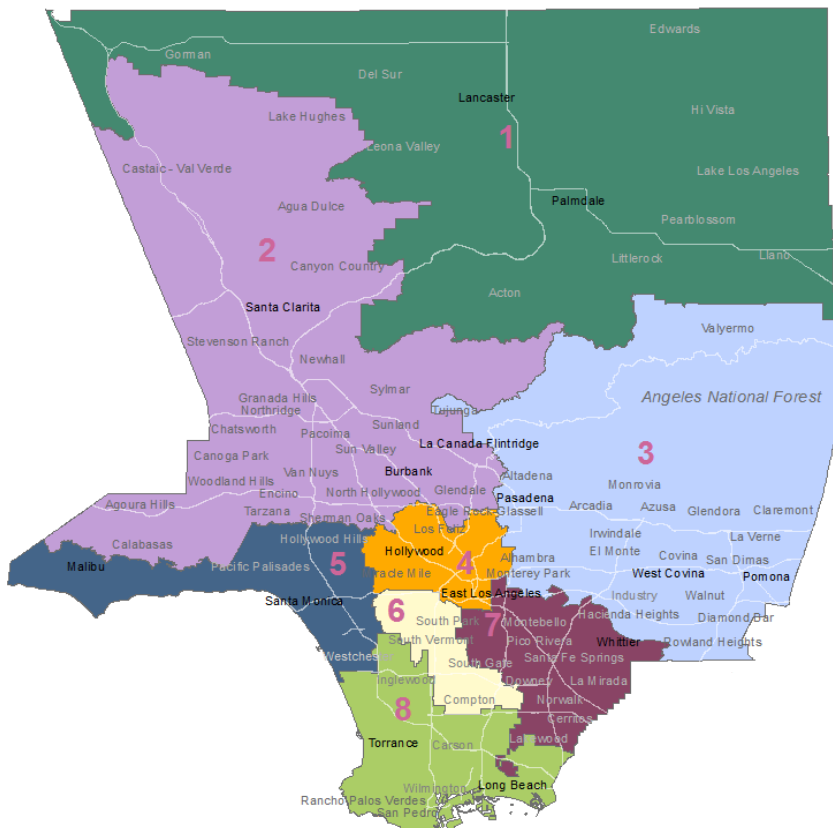
Limitations of CNA

The convenience sampling method may not result in a representative sample of the general LAC population. Non-response bias may be present. All data collected were self-reported, which may not accurately reflect actual use, related behaviors, or perceptions. Thus, the results should be interpreted with caution.

Los Angeles County

Service Planning Areas

Los Angeles County (LAC) has been divided into 8 Service Planning Areas (SPA) due to its large size. The Department of Public Health (DPH) develops and provides relevant public health and clinical services targeted to the specific health needs of the residents in these geographic areas.

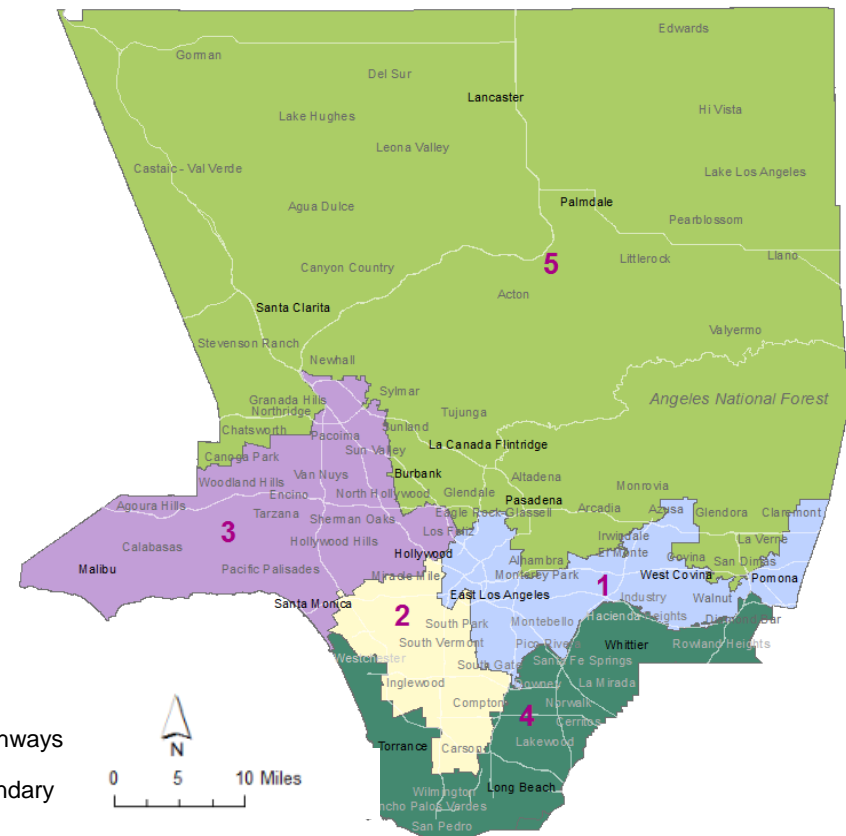


Population, 2017

SPA 1: 392,465	SPA 4: 1,188,412	SPA 7: 1,314,749
SPA 2: 2,258,664	SPA 5: 671,830	SPA 8: 1,576,679
SPA 3: 1,801,299	SPA 6: 1,068,550	

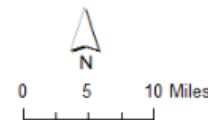
Supervisory Districts

Los Angeles County (LAC) is divided into 5 Supervisory Districts (SD), with each County Supervisor representing a district of approximately 2 million people.



White Lines: Highways

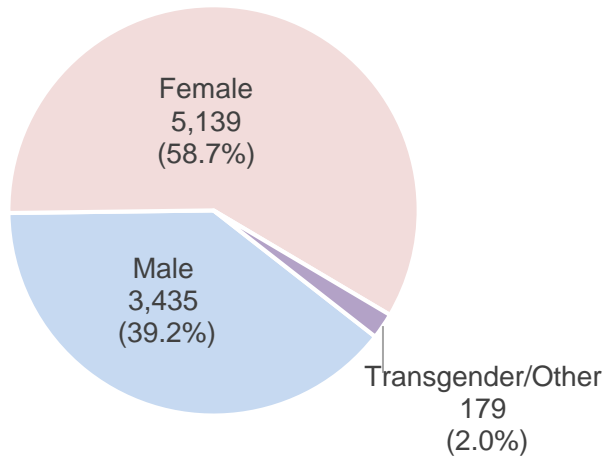
□ : Area Boundary



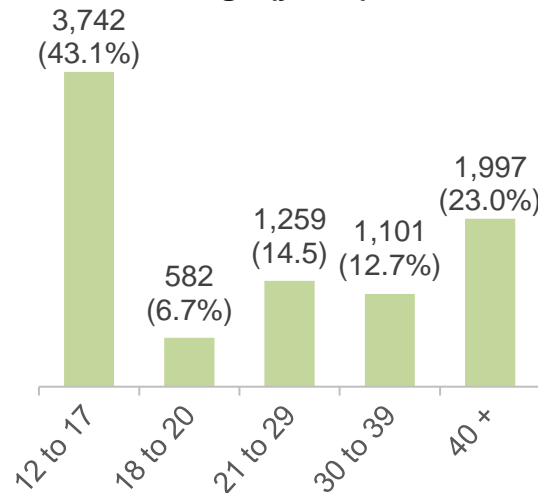
SD 1: 2,040,155	SD 4: 2,016,667
SD 2: 2,093,936	SD 5: 2,045,091
SD 3: 2,076,799	

Sample Demographics (N=9,487)

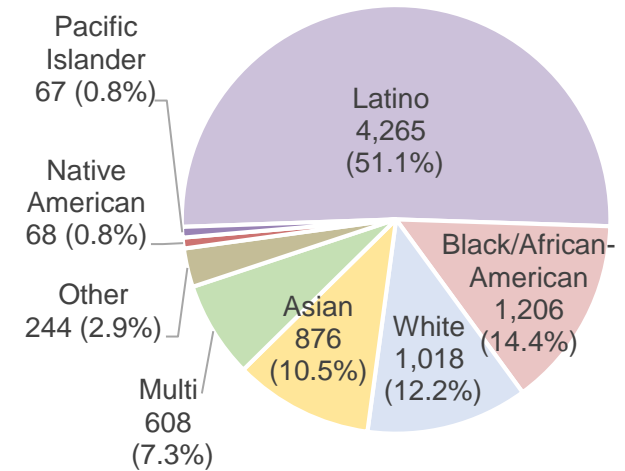
Gender



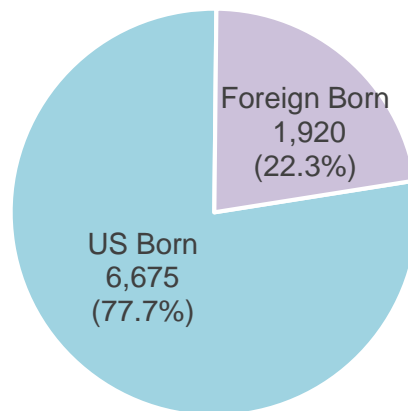
Age (years)



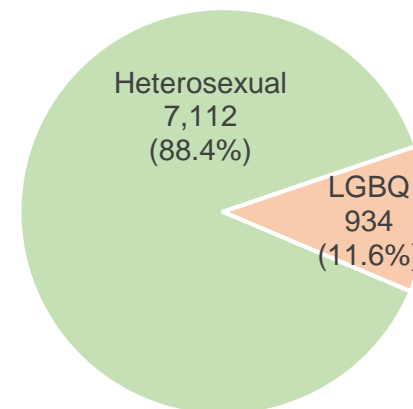
Race/Ethnicity



Nativity



Sexual Orientation



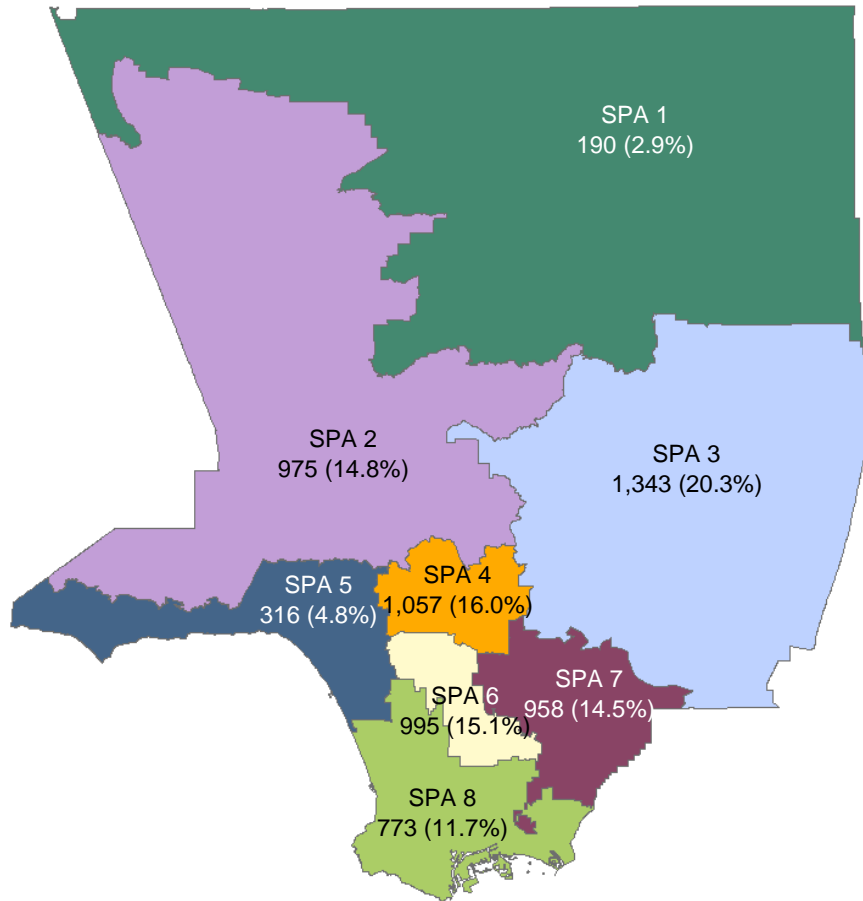
Notes: "Multi" race/ethnicity includes multi-racial or multi-ethnic.

"LGBTQ" includes Lesbian, gay, bisexual, questioning.

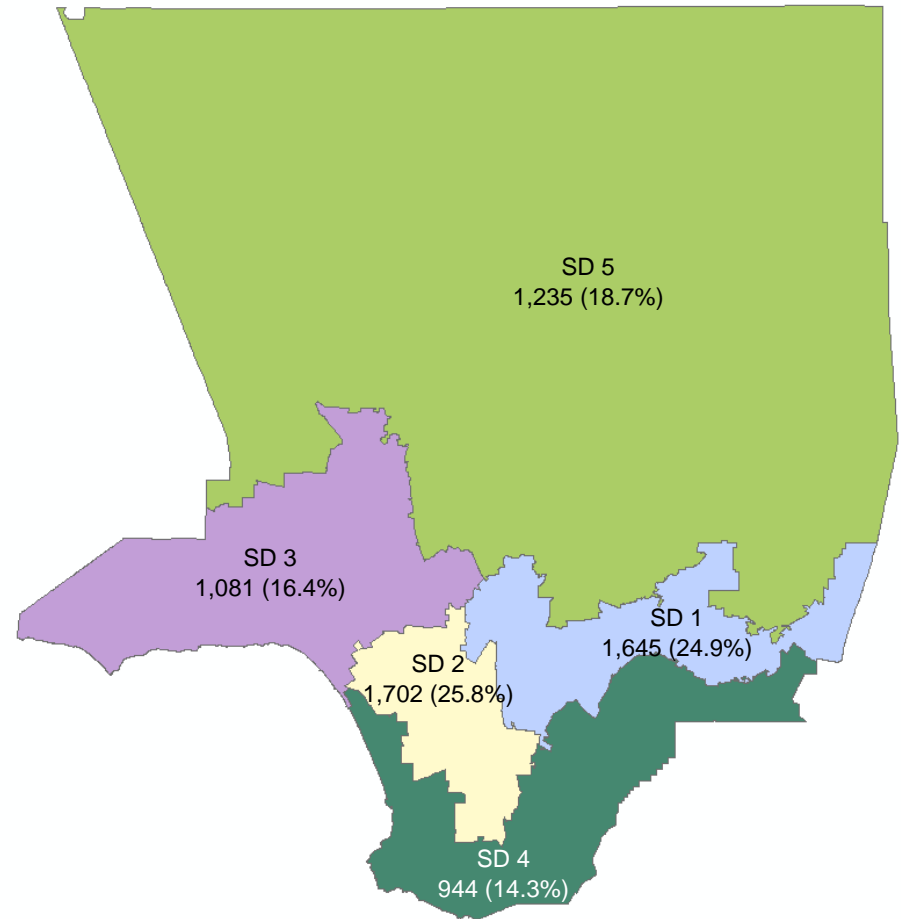
Since the sampling weights for transgender was not available, transgender was not included in the final analysis sample. In addition, records with missing values on any of the weighting variables (i.e., age, gender, race/ethnicity) were excluded (N=1,849) in the final analysis sample (N=7,638). Please refer to Appendix A for the demographics of the final analysis sample.

Geographic Distribution of Sample (N=6,607)

Service Planning Area (SPA)



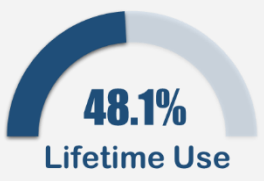
Supervisorial District (SD)



Notes: SPA and SD were based on zip code of residence. 69.6% of respondents (N=6,607) provided their current residence zip codes. Records with missing values on any of the weighing variables (i.e., age, gender, race/ethnicity) were excluded (N=662) from the final geographic analytical sample (N=5,945). Please refer to Appendix A for the geographic distribution of the final analysis sample.

Prevalence of Marijuana Use

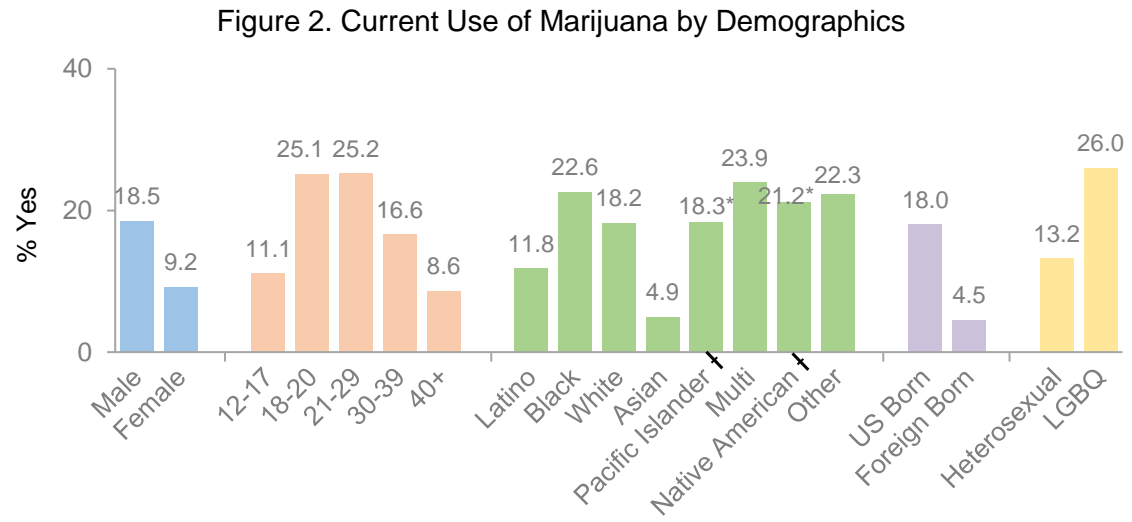
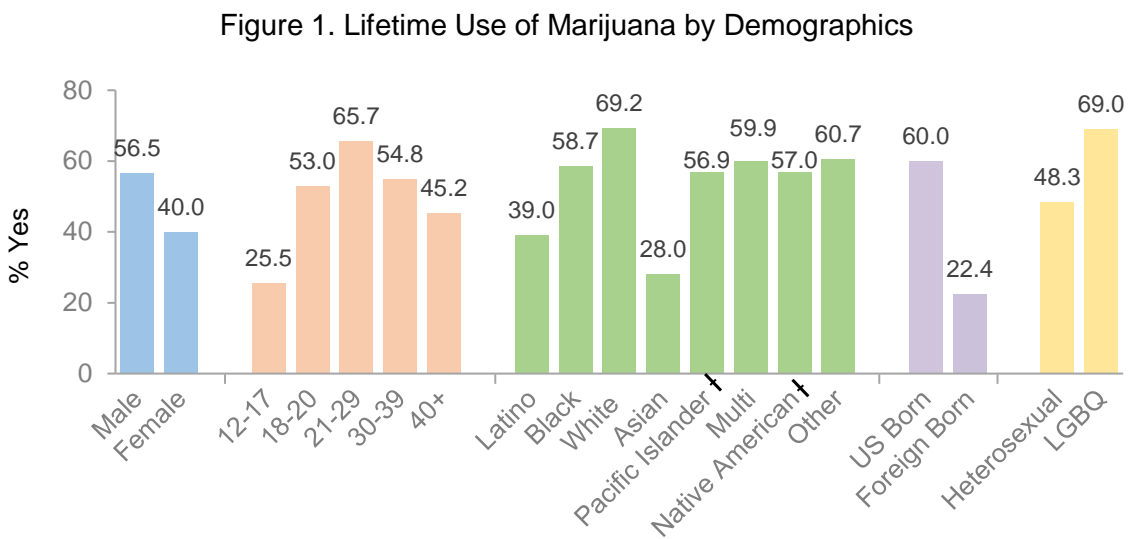
Have you **ever** used marijuana? (%Yes)



Have you used marijuana in the **past 30 days**? (%Yes)



Area	Lifetime Use	Current Use
Service Planning Area (SPA)		
SPA 1	53.9	16.9
SPA 2	39.9	10.5
SPA 3	54.3	14.1
SPA 4	50.1	15.5
SPA 5	70.5	15.4
SPA 6	46.9	17.2
SPA 7	40.7	9.8
SPA 8	41.0	12.7
Supervisorial District (SD)		
SD 1	44.4	11.4
SD 2	48.9	16.2
SD 3	53.8	15.1
SD 4	39.5	10.5
SD 5	53.6	14.4



Gender Age Race/Ethnicity Nativity Sexual Orientation

Notes: Data for Native Hawaiian or other Pacific Islanders (N=67) and American Indian/ Native Americans (N=68) are reported here but are subsequently suppressed due to small sample size.

* The estimate is statistically unstable (RSE >30%);
 † The estimate is statistically unstable (sample size ≤ 70); Interpret with caution.

Frequency of Use

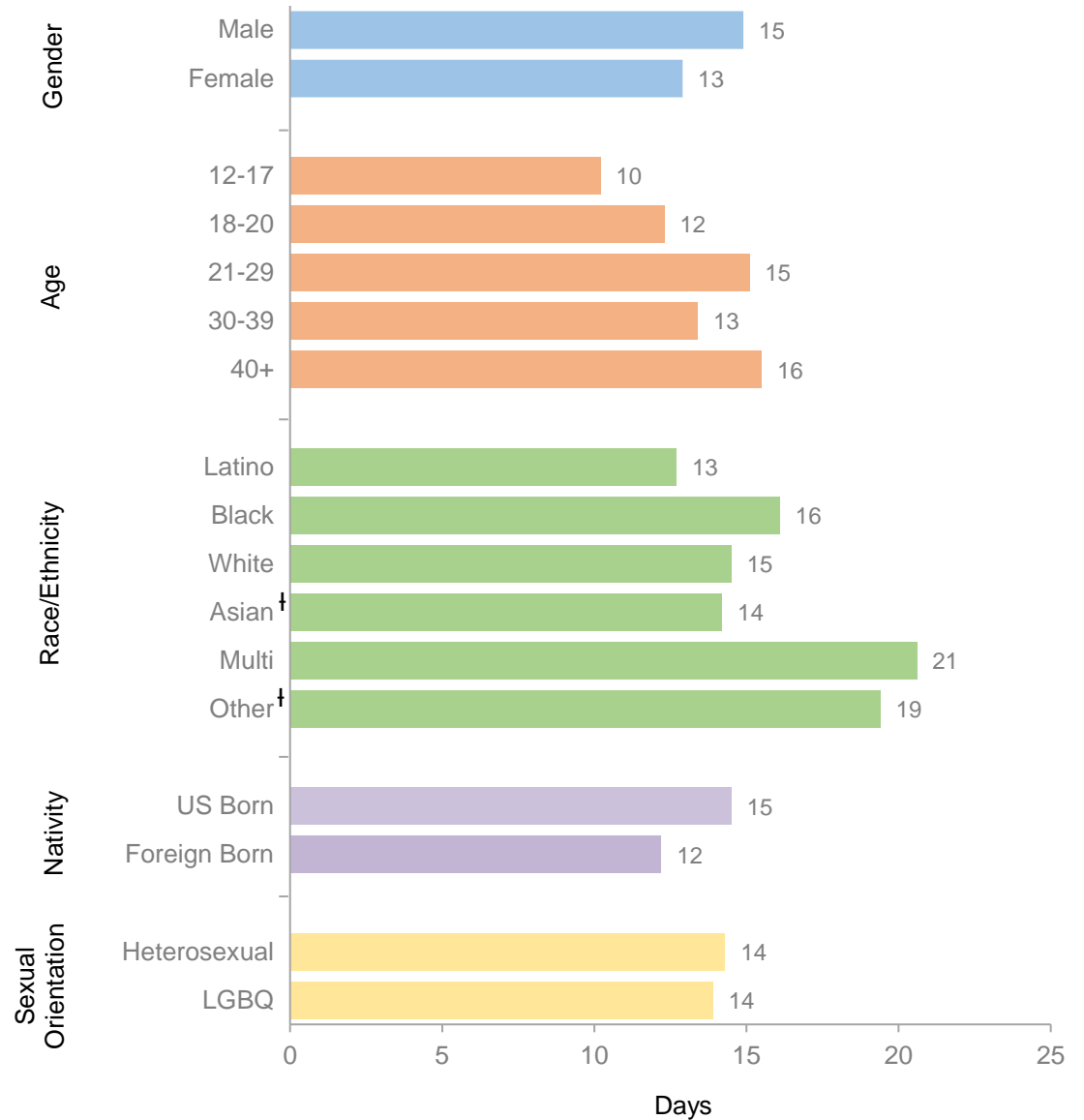
During the **past 30 days**, on how many days did you use marijuana? (Average # of days)



Area	Use Days
Service Planning Area (SPA)	
SPA 1	16
SPA 2	16
SPA 3	14
SPA 4	15
SPA 5	12
SPA 6	14
SPA 7	15
SPA 8	15
Supervisorial District (SD)	
SD 1	15
SD 2	15
SD 3	14
SD 4	15
SD 5	15

Notes: Only those who have used marijuana during the past 30 days (current users) were asked this question.
 † The estimate is statistically unstable (sample size ≤ 70).
 Interpret with caution.

Figure 3. Average Number of Days Used in the Past 30 Days by Demographics



Age of Initiation

How old were you when you **first used** marijuana?

17 years: Average Age of Initiation



Area	Average Age	% Used Before Age 18
Service Planning Area (SPA)		
SPA 1	16	71.1
SPA 2	17	60.7
SPA 3	17	63.3
SPA 4	18	50.6
SPA 5	19	52.2
SPA 6	17	64.2
SPA 7	17	63.1
SPA 8	17	63.8
Supervisory District (SD)		
SD 1	17	62.2
SD 2	17	58.6
SD 3	19	48.3
SD 4	17	65.3
SD 5	17	67.0

Notes: Only those who have used marijuana at least once in their lifetimes were asked this question.

† The estimate is statistically unstable (sample size ≤ 70). Interpret with caution.

Figure 4. Average Age of Initiation by Demographics

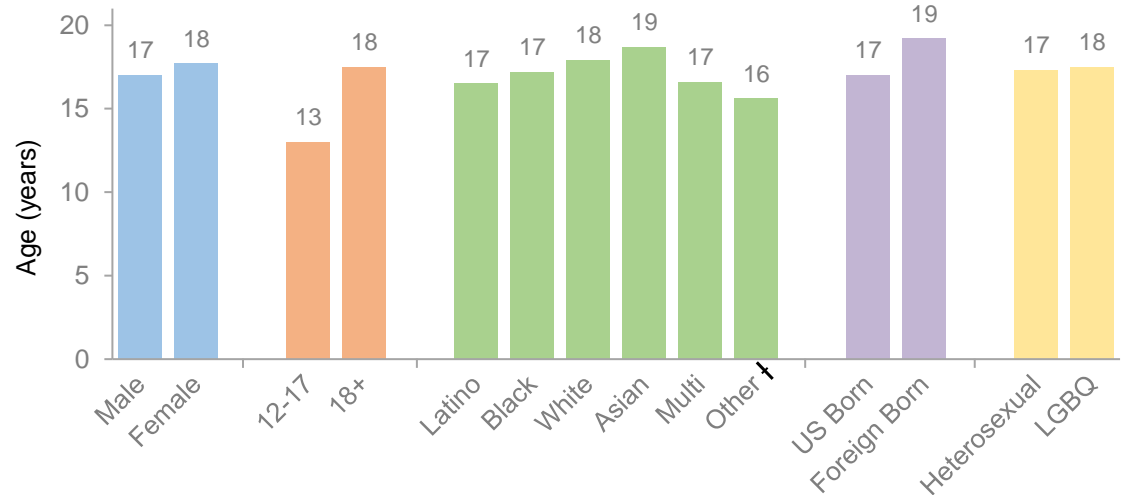
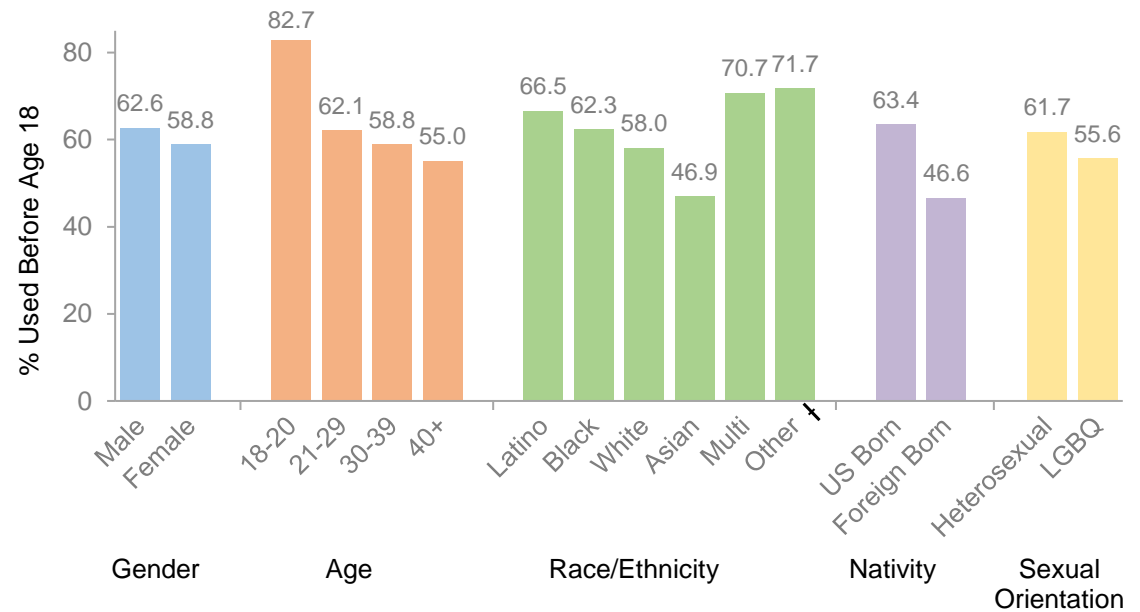


Figure 5. Used Before Age 18 by Demographics



Easy Access

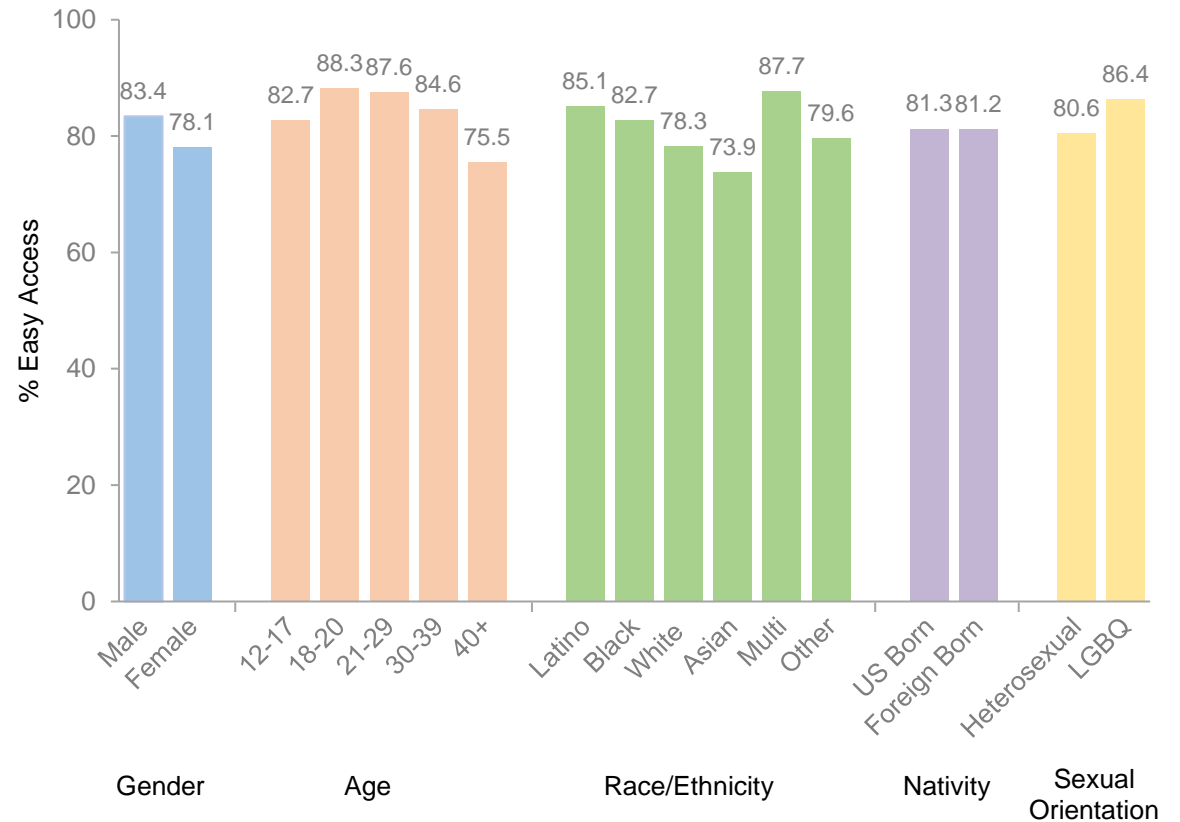
How **easy** is it for **you** to get marijuana? (%Easy)



Area	% Easy Access
Service Planning Area (SPA)	
SPA 1	84.9
SPA 2	81.1
SPA 3	82.9
SPA 4	86.4
SPA 5	79.5
SPA 6	79.5
SPA 7	78.1
SPA 8	86.5
Supervisory District (SD)	
SD 1	82.9
SD 2	81.9
SD 3	82.3
SD 4	81.6
SD 5	83.5

Notes: Only those who have used marijuana at least once in their lifetimes were asked this question.
Easy Access includes response options "Very Easy" and "Somewhat Easy".

Figure 6. Easy Access to Marijuana by Demographics



Reasons for Use

For what **reason(s)** have you used marijuana? (%)



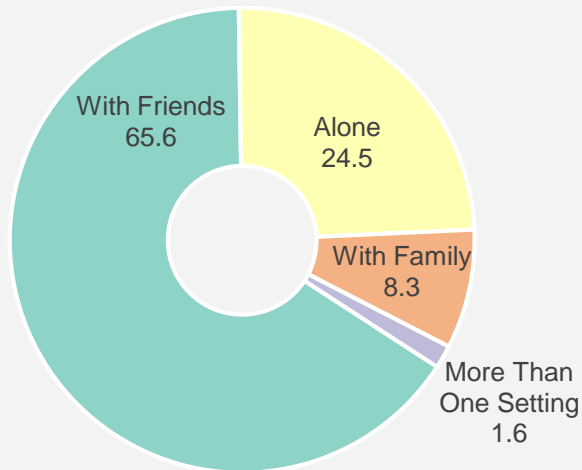
Notes: Only those who have used marijuana at least once in their lifetimes were asked this question. Respondents selected all choices that applied.

Table 1. Common Reasons for Marijuana Use by Demographics

	Fun	Relax	Get high	Sleep	Anxiety/ Stress	Pain	Fit in
Most Common Reasons (%)							
	1st	2nd	3rd	4th	5th		
Gender							
Male	64.6	54.2	36.0	28.9	25.7		
Female	62.2	49.9	28.3	25.9	25.1		
Age							
12-17	59.9	58.1	40.7	28.8	25.4		
18-20	65.5	62.4	42.8	33.1	32.6		
21-29	65.7	63.2	38.8	38.2	36.9		
30-39	63.4	62.6	33.9	29.6	29.1		
40+	62.9	40.5	29.7	18.6	17.8		
Race/Ethnicity							
Latino	62.1	54.7	31.6	29.6	27.7		
Black	59.0	53.7	32.4	24.5	23.6		
White	66.3	49.7	35.5	25.5	24.7		
Asian	64.6	51.4	23.5	22.5	21.2		
Multi	61.7	58.6	46.6	46.2	39.8		
Other	67.2	59.6	42.8	34.0	30.7		
Nativity							
US Born	63.6	54.0	33.9	28.2	26.9		
Foreign Born	63.5	42.8	25.9	21.4	20.0		
Sexual Orientation							
Heterosexual	64.3	51.8	33.5	26.8	24.8		
LGBQ	61.1	58.6	34.4	31.4	29.8		

Setting of Use

When you use marijuana, do you typically **use alone**, **with friends**, or **with family members**? (%)

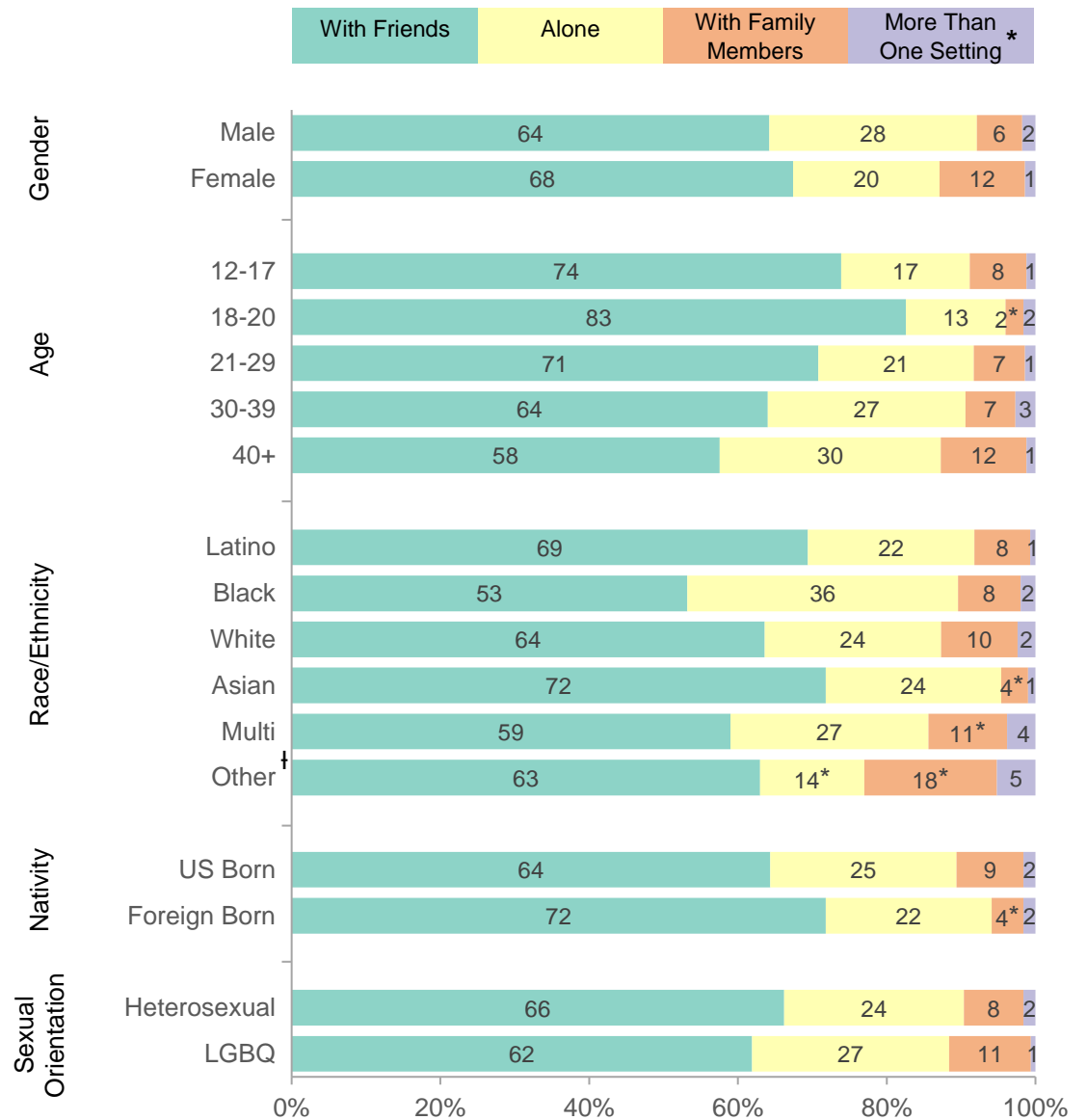


Notes: Only those who have used marijuana at least once in their lifetimes were asked this question.

* The estimate is statistically unstable (RSE >30%).

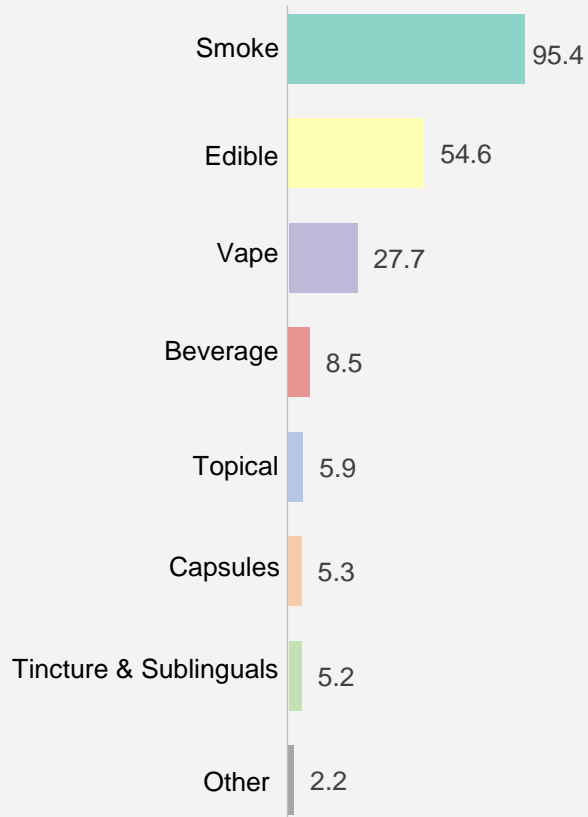
† The estimate is statistically unstable (sample size ≤ 70). Interpret with caution.

Figure 7. Setting of Use by Demographics (%)



Route of Administration

How have you used marijuana? (%)



Notes: Only those who have used marijuana at least once in their lifetimes were asked this question.

Respondents selected all choices that applied.

* The estimate is statistically unstable (RSE >30%).

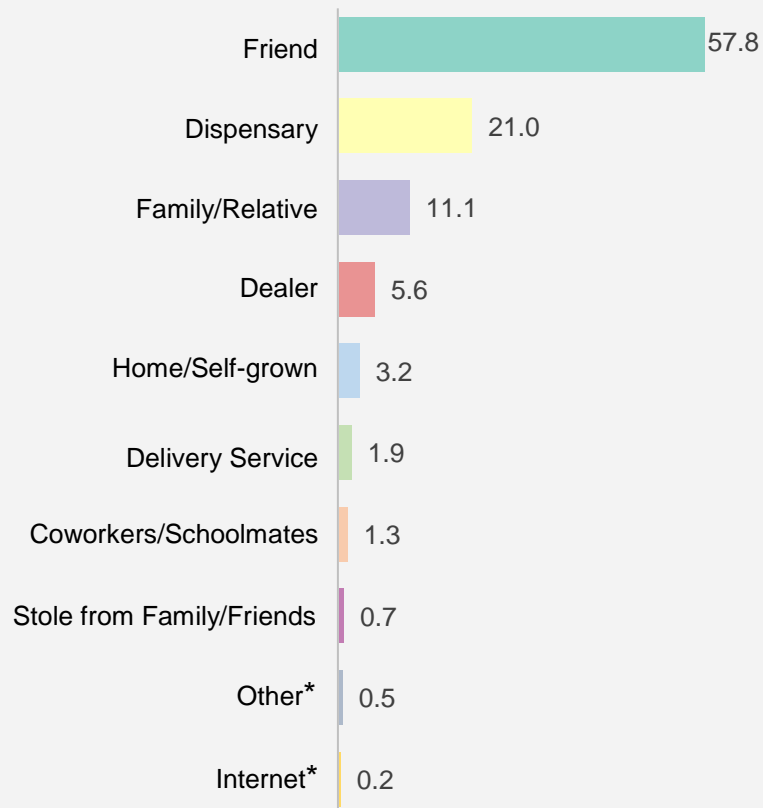
Interpret with caution.

Table 2. Common Routes of Administration of Marijuana by Demographics

	Smoke	Edible	Vape	Beverage	Topical	Capsules	Tincture
	Most Common Ways (%)						
	1st	2nd	3rd	4th	5th	6th	7th
Gender							
Male	95.0	54.6	28.5	10.2	6.8	6.8	6.0
Female	96.0	54.7	26.6	6.1	4.7	4.1	3.2
Age							
12-17	89.0	61.6	36.7	11.4	8.2	5.1	4.9
18-20	95.4	72.9	43.0	14.7	13.0	6.2	5.5*
21-29	96.7	68.0	42.6	12.7	8.6	8.1	7.3
30-39	95.9	60.4	33.2	9.0	7.5	6.2	4.6
40+	95.5	42.9	15.5	5.2	4.3	3.8	2.6
Race/Ethnicity							
Latino	94.1	55.0	29.3	9.8	6.2	4.9	4.2
Black	96.3	39.6	16.5	5.9	2.3	1.9*	1.2*
White	96.7	57.4	29.3	7.5	7.4	7.0	6.3
Asian	95.4	54.2	22.4	5.8*	2.6*	2.4*	2.0*
Multi	93.4	62.4	39.1	23.9	12.5	10.7	10.2
Other	98.9	61.0	32.8	12.0*	10.4*	9.2*	8.4*
Nativity							
US Born	96.2	56.2	28.7	9.0	6.0	5.7	5.6
Foreign Born	91.9	47.1	22.3	5.8	5.7	3.0*	2.6*
Sexual Orientation							
Heterosexual	95.8	53.2	26.5	7.9	5.2	5.2	4.1
LGBQ	94.8	67.5	37.0	13.0	12.4	9.9	6.6

Source of Marijuana

Where did you get marijuana the last time you used it? (%)



Notes: Only those who have used marijuana at least once in their lifetimes were asked this question.

Respondents selected all choices that applied.

“Other” included “everywhere”, “people”, “stranger”, “prison”, etc.

* The estimate is statistically unstable (RSE >30%);

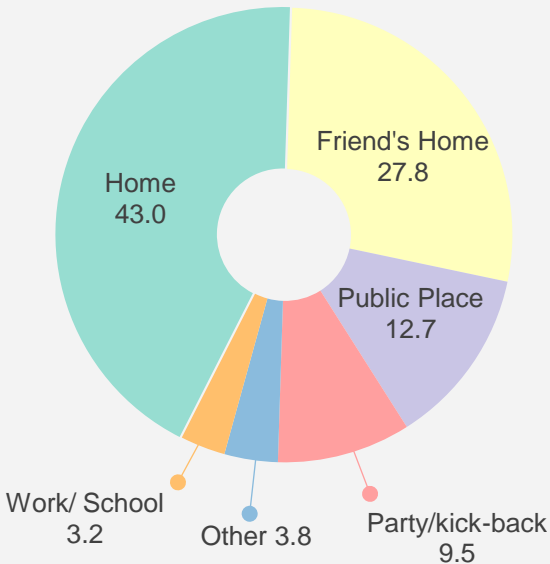
† The estimate is statistically unstable (sample size ≤ 70); Interpret with caution.

Table 3. Source of Marijuana by Demographics

	Friend	Dispensary	Family/Relative	Dealer	Home/ Self-Grown	Delivery Service	Coworker/ Schoolmate	Other	Internet
	Most Common Sources (%)								
		1st	2nd	3rd	4th	5th	6th		
Gender									
Male		56.9	22.5	8.1	6.7	4.3	2.5		
Female		59.1	18.9	15.2	4.1	1.7	1.1*		
Age									
12-17		56.3	12.2	10.6	9.8	4.3	4.2		
18-20		58.7	19.5	10.3	6.8*	3.3*	3.1*		
21-29		50.4	29.5	10.2	4.4	3.4	3.2*		
30-39		55.2	25.3	14.1	3.1*	2.6*	2.4		
40+		62.8	16.4	10.8	5.9	3.4	0.9*		
Race/Ethnicity									
Latino		55.7	20.5	11.3	6.9	3.5	2.1		
Black		39.2	32.9	13.7	9.1	3.3*	1.3*		
White		61.9	20.2	10.8	4.2	3.3	2.1		
Asian		73.6	8.9*	8.8	3.9*	3.3*	1.7*		
Multi		37.4	36.6	12.4	4.6*	4.5*	3.4*		
Other †		41.1	34.7	13.5*	3.7*	2.9*	2.9*		
Nativity									
US Born		55.9	22.0	11.8	6.0	3.3	2.0		
Foreign Born		71.0	12.2	7.7	3.5	3.3*	2.1*		
Sexual Orientation									
Heterosexual		58.6	19.8	11.9	5.5	3.1	1.8		
LGBQ		53.8	26.5	7.6	7.1	4.0*	3.2*		

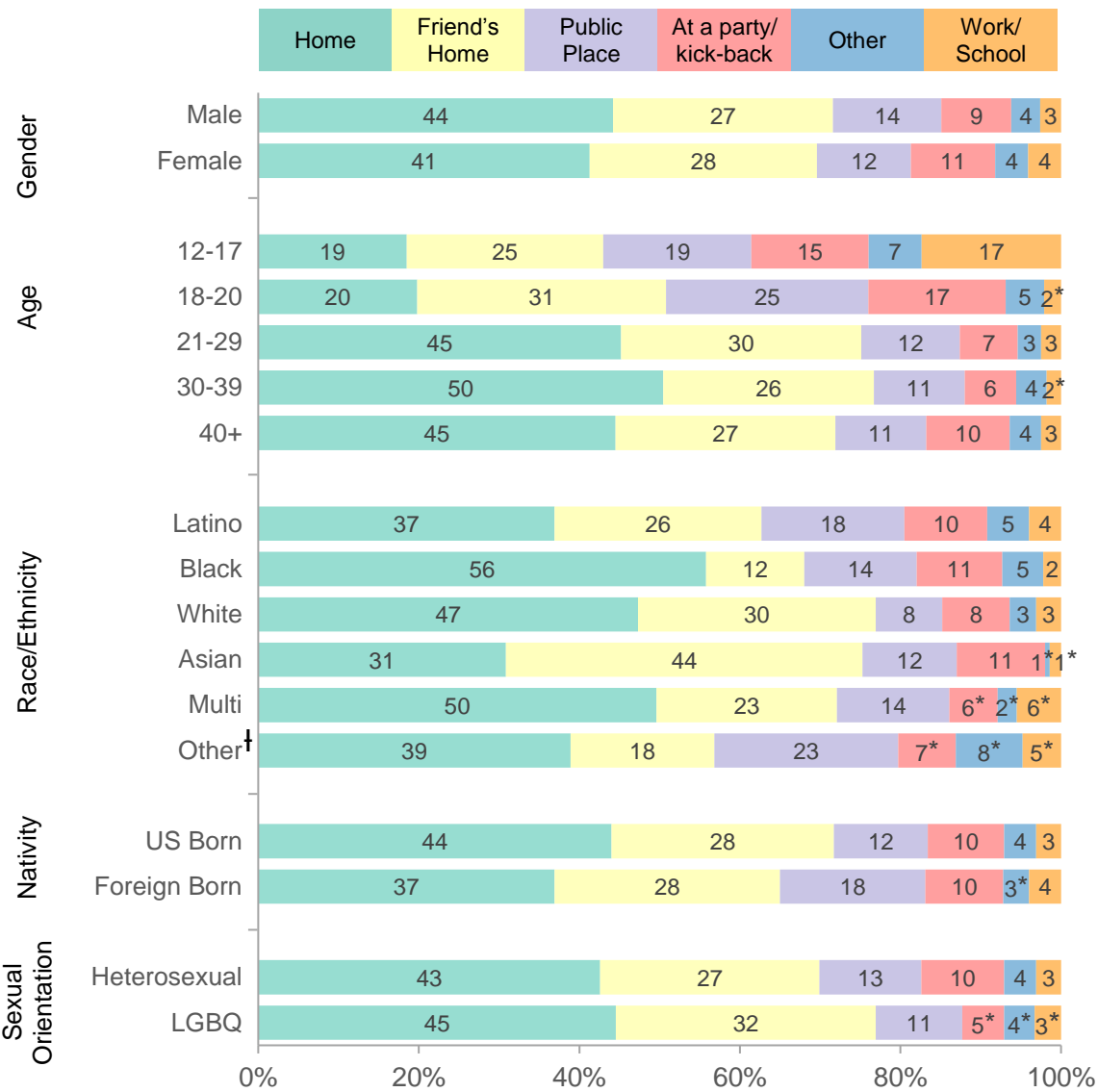
Place of Last Marijuana Use

Please indicate the **last place** you used marijuana: (%)



Notes: Only those who have used marijuana at least once in their lifetimes were asked this question.
 Public Place included indoor and outdoor public places such as “bars”, “clubs”, “parks”, “mountains”, “hiking trails”, “beaches”, and “around the neighborhood”.
 “Other” included car/parking lot, “everywhere”, etc.
 * The estimate is statistically unstable (RSE >30%);
 † The estimate is statistically unstable (sample size ≤ 70); Interpret with caution.

Figure 8. Location of Marijuana Use by Demographics



Harms of Use

In what ways did your marijuana use cause harm? (%)

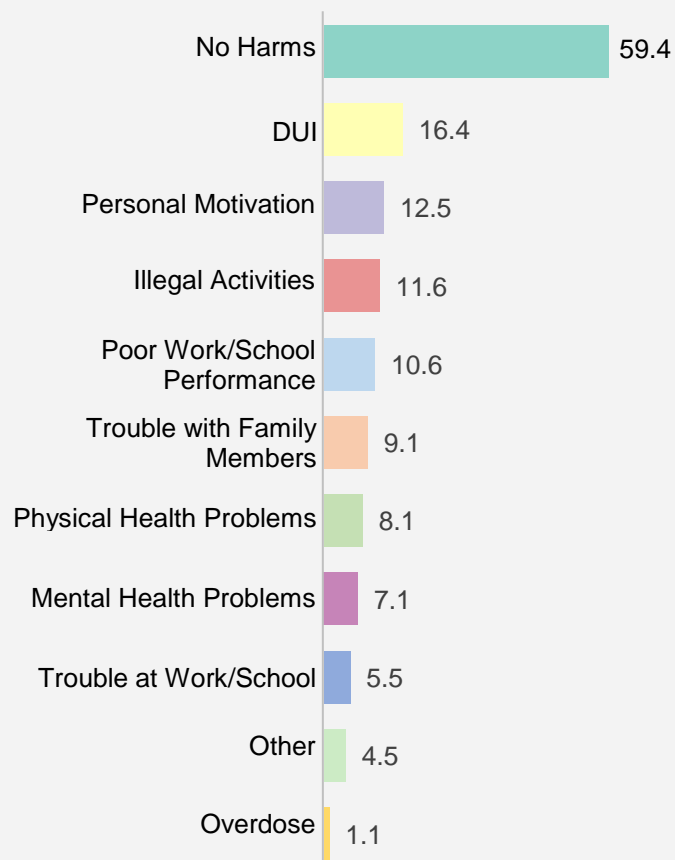


Table 4. Common Harms Reported from Marijuana Use by Demographics

No Harms	DUI	Motivation	Illegal Activities	Perform poorly	Family trouble	Physical health	Mental health	Work/school	Other	Overdose
----------	-----	------------	--------------------	----------------	----------------	-----------------	---------------	-------------	-------	----------

	Most Common Harms Reported (%)										
	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th
Gender											
Male	58.0	19.0	13.3	12.6	11.7	10.2	6.3	6.3	6.1	3.7	1.2
Female	61.5	12.9	12.4	10.7	9.2	9.1	8.4	7.7	5.7	4.3	1.0
Age											
12-17	53.3	15.0	14.7	13.6	13.6	10.1	9.2	6.3	5.6	3.2	2.1*
18-20	68.5	9.8	9.5	8.1	7.9	7.4	7.0	5.5	4.6	1.6*	1.3*
21-29	58.1	17.5	12.7	11.9	11.2	9.9	8.9	8.4	3.8	2.2	0.7*
30-39	64.6	17.3	13.8	12.7	11.5	11.1	7.8	7.6	6.3	2.6	2.0*
40+	57.6	17.4	13.9	11.0	8.7	7.9	7.8	7.3	6.5	4.8	0.7*
Race/Ethnicity											
Latino	60.9	15.8	11.6	11.1	10.1	9.4	7.8	7.1	5.8	2.7	1.5
Black	61.4	20.4	10.5	8.4	8.3	7.7	6.3	4.2	4.0	2.3*	0.5*
White	58.2	16.1	15.7	12.8	10.6	9.2	9.1	7.8	5.6	3.8	0.6*
Asian	56.8	17.1	12.3	11.7	10.9	10.3	9.5	9.2	7.2	4.8*	2.6*
Multi	63.1	14.6	11.9	10.6	10.1	8.1	7.0	7.0*	5.2*	3.9*	0.6*
Other	49.0	21.2	18.2	17.0	14.2*	12.5*	8.0*	7.9*	7.6*	3.4*	1.2*
Nativity											
US Born	59.5	16.2	12.8	12.2	10.3	9.3	7.8	7.2	5.2	4.5	0.9
Foreign Born	59.3	18.5	13.4	10.5	9.5	8.9	8.4	6.8	6.2*	5.1*	2.8*
Sexual Orientation											
Heterosexual	59.8	16.3	12.7	11.6	10.9	9.3	7.7	7.0	5.5	4.5	1.2
LGBQ	59.6	16.7	11.7	11.1	11.0	8.8	8.5	7.8	4.9	4.6	0.4*

Notes: Only those who have used marijuana at least once in their lifetimes were asked this question.

Respondents selected all choices that applied.

“Illegal activities” included theft, arrest, property damage, obtaining from dealer.

“Other” included “all of the above”, “gateway drug”, “overeat”, etc.

* The estimate is statistically unstable (RSE >30%).

Interpret with caution.

Gone to Work/School Under the Influence

Have you ever gone to **work/school** under the influence of marijuana? (%Yes)



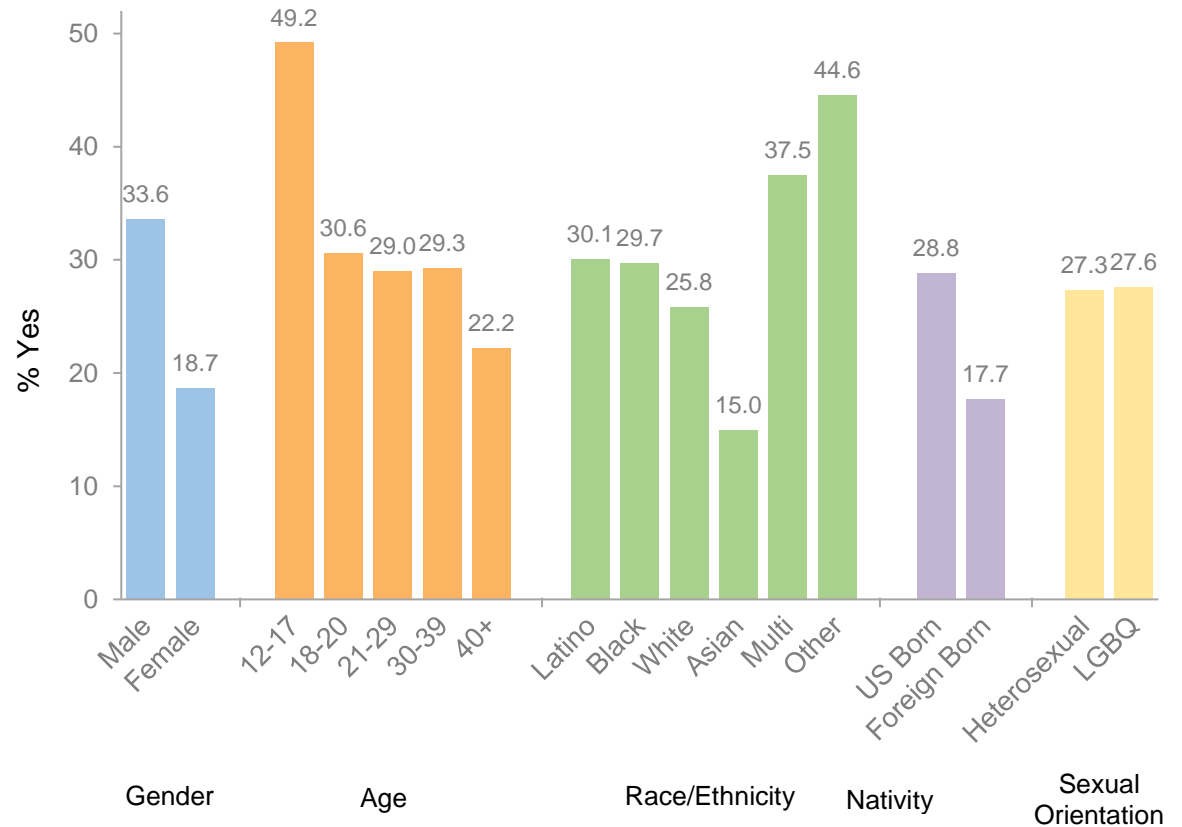
Area	% Yes
Service Planning Area (SPA)	
SPA 1	34.8
SPA 2	22.7
SPA 3	31.1
SPA 4	27.3
SPA 5	12.3*
SPA 6	26.4
SPA 7	26.0
SPA 8	23.7
Supervisorial District (SD)	
SD 1	30.9
SD 2	26.1
SD 3	17.9
SD 4	24.3
SD 5	29.0

Notes: Only those who have used marijuana at least once in their lifetimes were asked this question.

Adults were asked if they had gone to *work*, and youth were asked if they had gone to *school* under the influence of marijuana.

* The estimate is statistically unstable (RSE >30%). Interpret with caution.

Figure 9: Gone to Work/School Under the Influence of Marijuana by Demographics



Driving Under the Influence

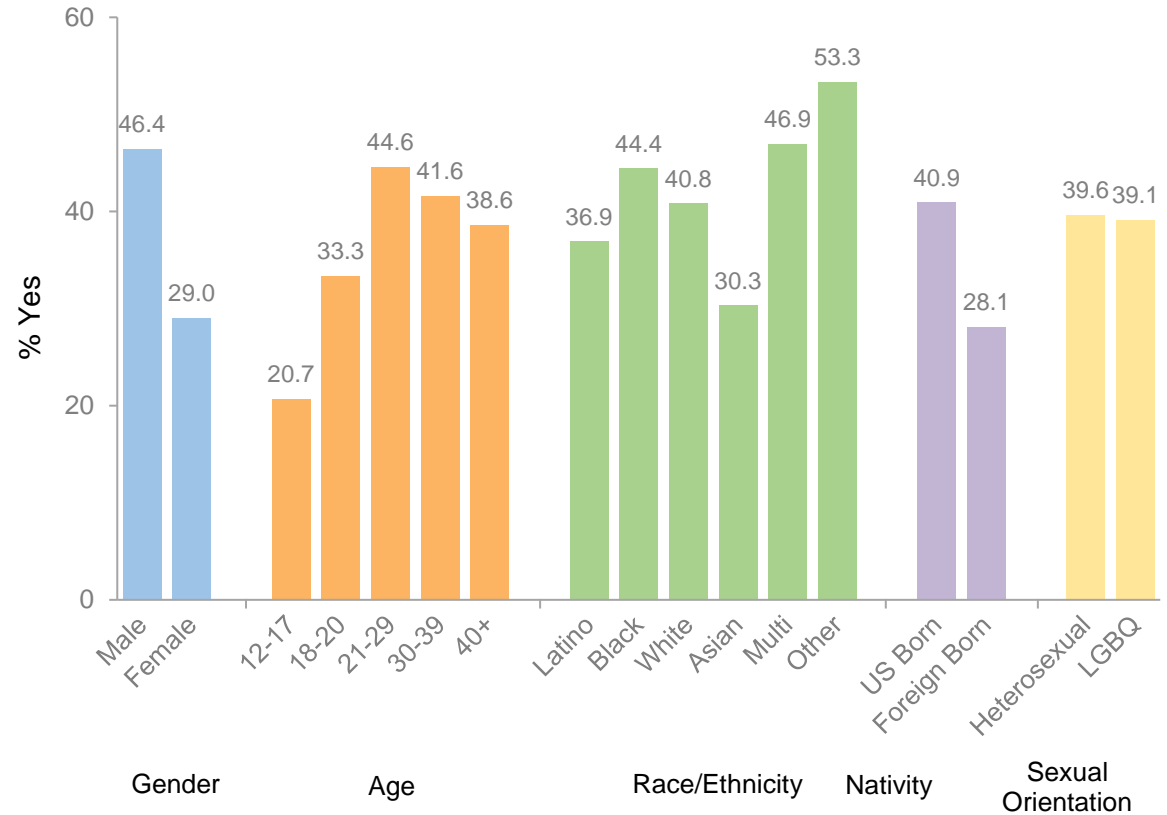
Have you ever **driven a car** while under the influence of marijuana? (% Yes)



Area	Ever DUI
Service Planning Area (SPA)	
SPA 1	45.7
SPA 2	34.9
SPA 3	41.5
SPA 4	37.7
SPA 5	31.6
SPA 6	37.7
SPA 7	39.7
SPA 8	41.4
Supervisory District (SD)	
SD 1	40.2
SD 2	37.9
SD 3	34.0
SD 4	41.9
SD 5	40.0



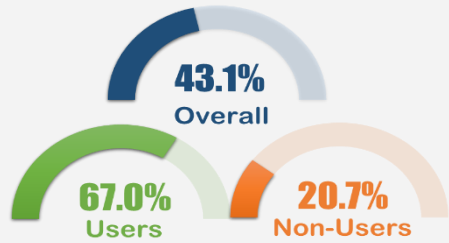
Figure 10. Driven a Car Under the Influence of Marijuana by Demographics



Note: Only those who have used marijuana at least once in their lifetimes were asked this question.

Marijuana Use Among Close Friends

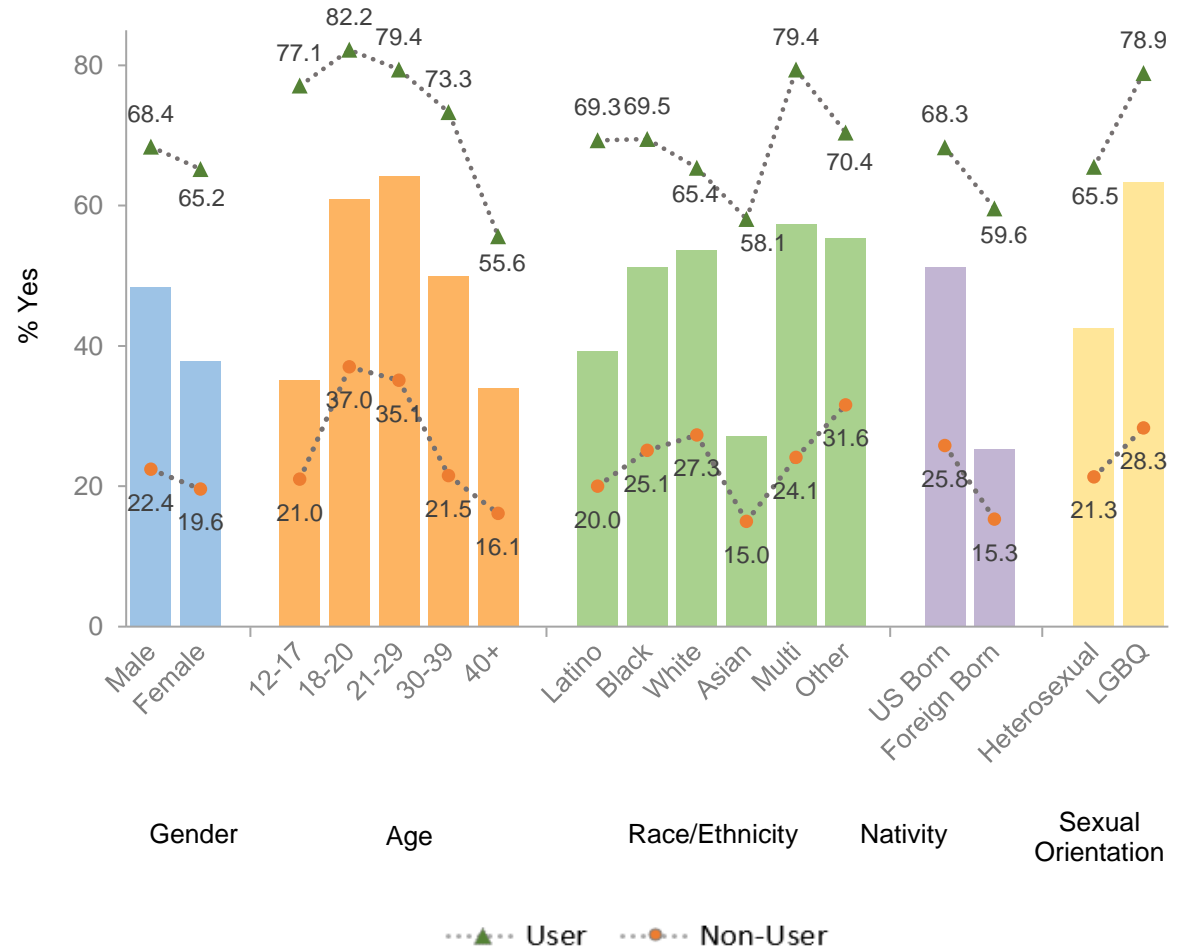
Do your **close friends** use marijuana? (%Yes)



Area	Close Friends Use	
	All	Users
Service Planning Area (SPA)		
SPA 1	48.7	67.6
SPA 2	37.8	68.7
SPA 3	46.5	66.8
SPA 4	44.8	67.6
SPA 5	58.0	69.3
SPA 6	47.1	73.7
SPA 7	34.0	58.5
SPA 8	37.9	69.4
Supervisory District (SD)		
SD 1	39.4	62.1
SD 2	45.9	72.3
SD 3	48.2	73.4
SD 4	33.7	61.2
SD 5	47.2	66.8

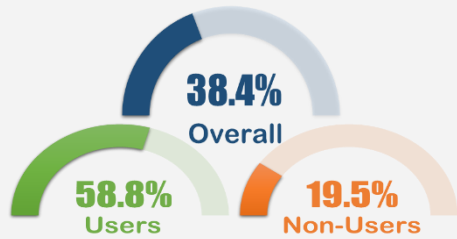
Notes: Users included those who had ever used marijuana. Non-Users included those who had never used marijuana.

Figure 11. Marijuana Use Among Close Friends by Demographics



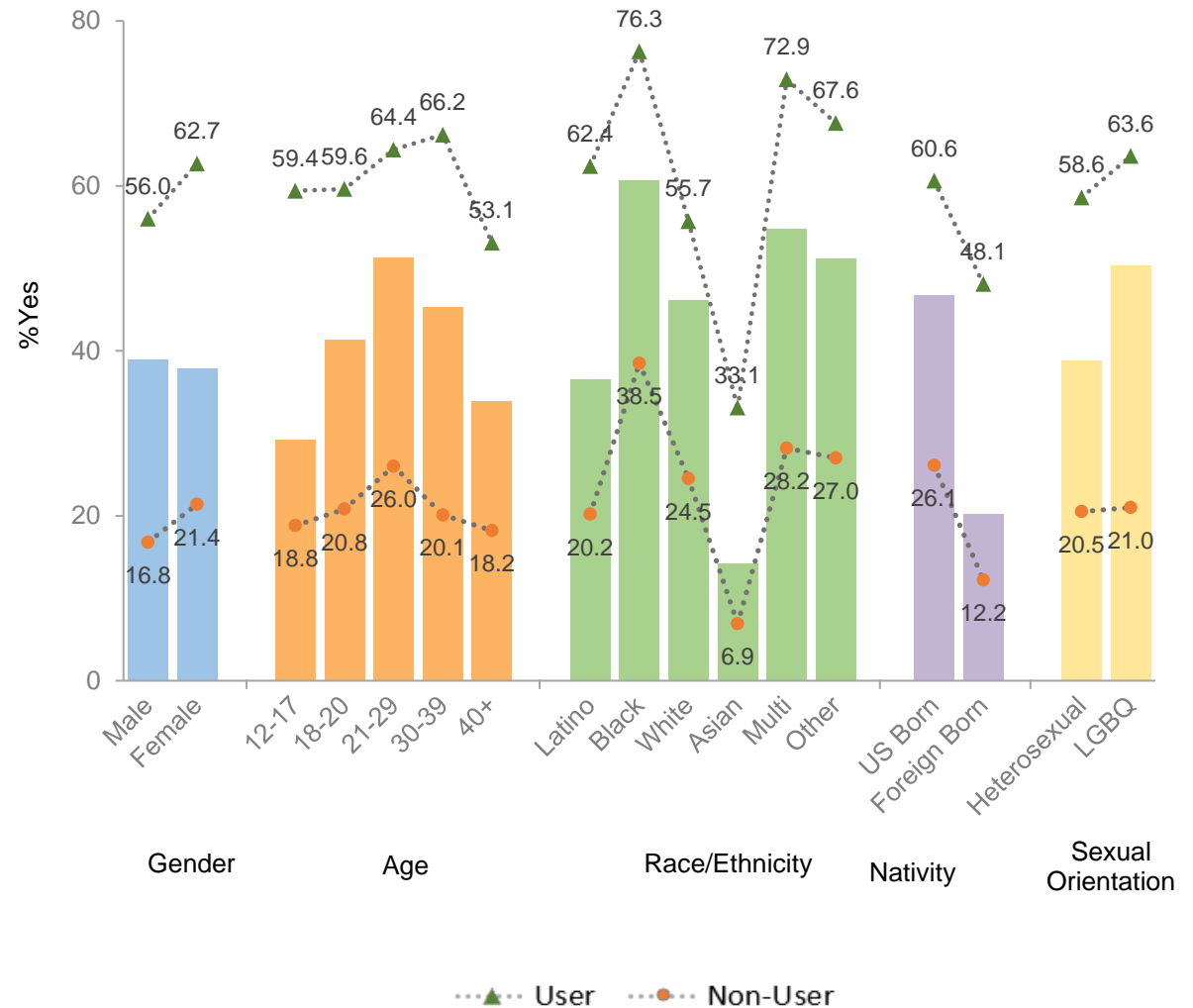
Marijuana Use Among Family Members

Do any of your family members use marijuana? (%Yes)



Area	Family Members Use		
	All	Users	Non-Users
Service Planning Area (SPA)			
SPA 1	45.6	66.1	21.3
SPA 2	33.4	56.1	18.1
SPA 3	40.1	56.2	21.0
SPA 4	37.4	59.1	15.6
SPA 5	43.5	52.3	22.8
SPA 6	47.5	67.1	30.0
SPA 7	33.9	57.1	18.1
SPA 8	34.4	61.7	15.6
Supervisorial District (SD)			
SD 1	36.2	59.9	17.3
SD 2	43.0	62.6	24.1
SD 3	39.2	58.0	17.3
SD 4	31.6	56.4	15.7
SD 5	40.4	55.7	22.8

Figure 12. Marijuana Use Among Family Members by Demographics



Notes: Users included those who had ever used marijuana. Non-Users included those who had never used marijuana.

Prevalence of Synthetic Marijuana Use

Have you **ever used** synthetic marijuana? (%Yes)

Have you used synthetic marijuana in the **past 30 days?** (%Yes)



Area	Lifetime Use	Current Use
Service Planning Area (SPA)		
SPA 1	7.3	0.5*
SPA 2	3.9	1.2*
SPA 3	6.5*	0.8*
SPA 4	6.6	1.8*
SPA 5	3.2*	0.8*
SPA 6	3.8	1.3*
SPA 7	3.9	1.1*
SPA 8	3.0	0.5*
Supervisorial District (SD)		
SD 1	6.0	1.7
SD 2	4.5	1.2*
SD 3	4.7	1.2*
SD 4	2.8	0.5*
SD 5	5.8	0.5*

* The estimate is statistically unstable (RSE >30%). Interpret with caution.

Figure 13. Lifetime Use of Synthetic Marijuana by Demographics

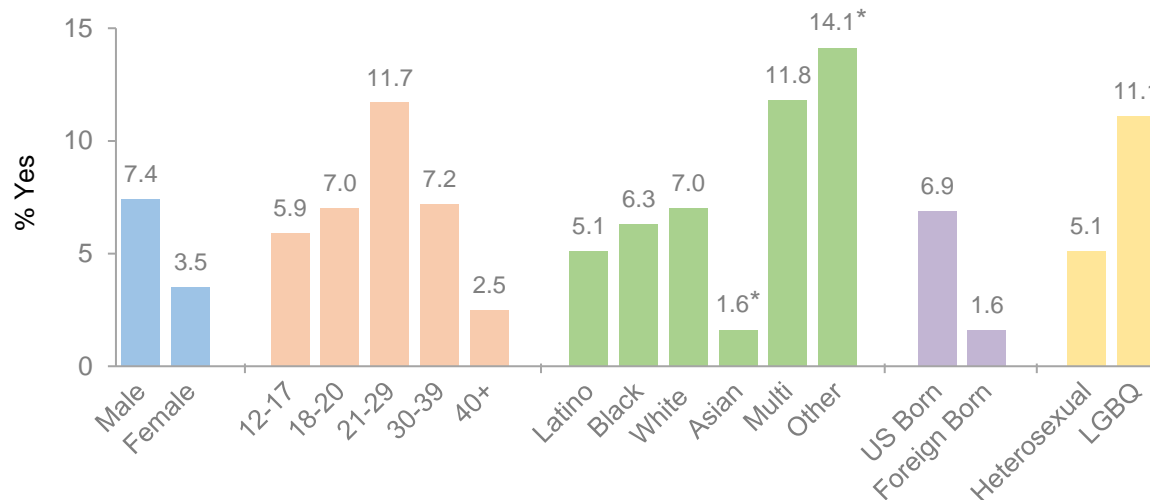
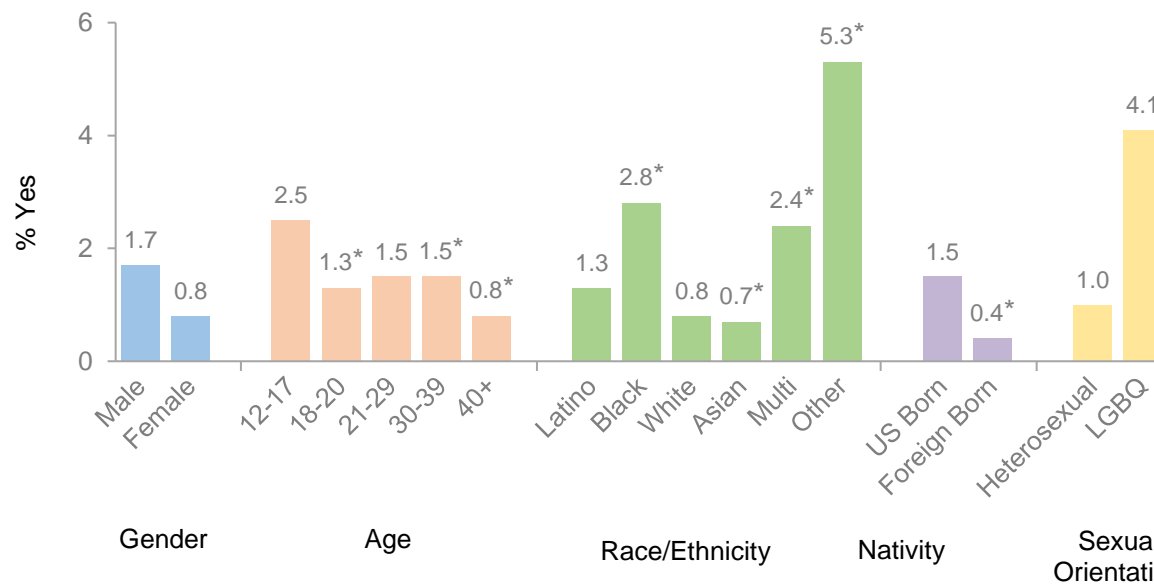
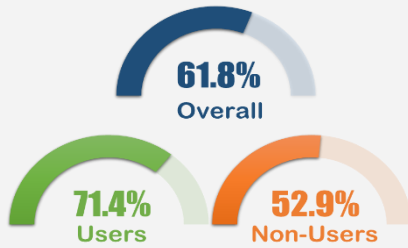


Figure 14. Current Use of Synthetic Marijuana by Demographics



Perceived Easy Access

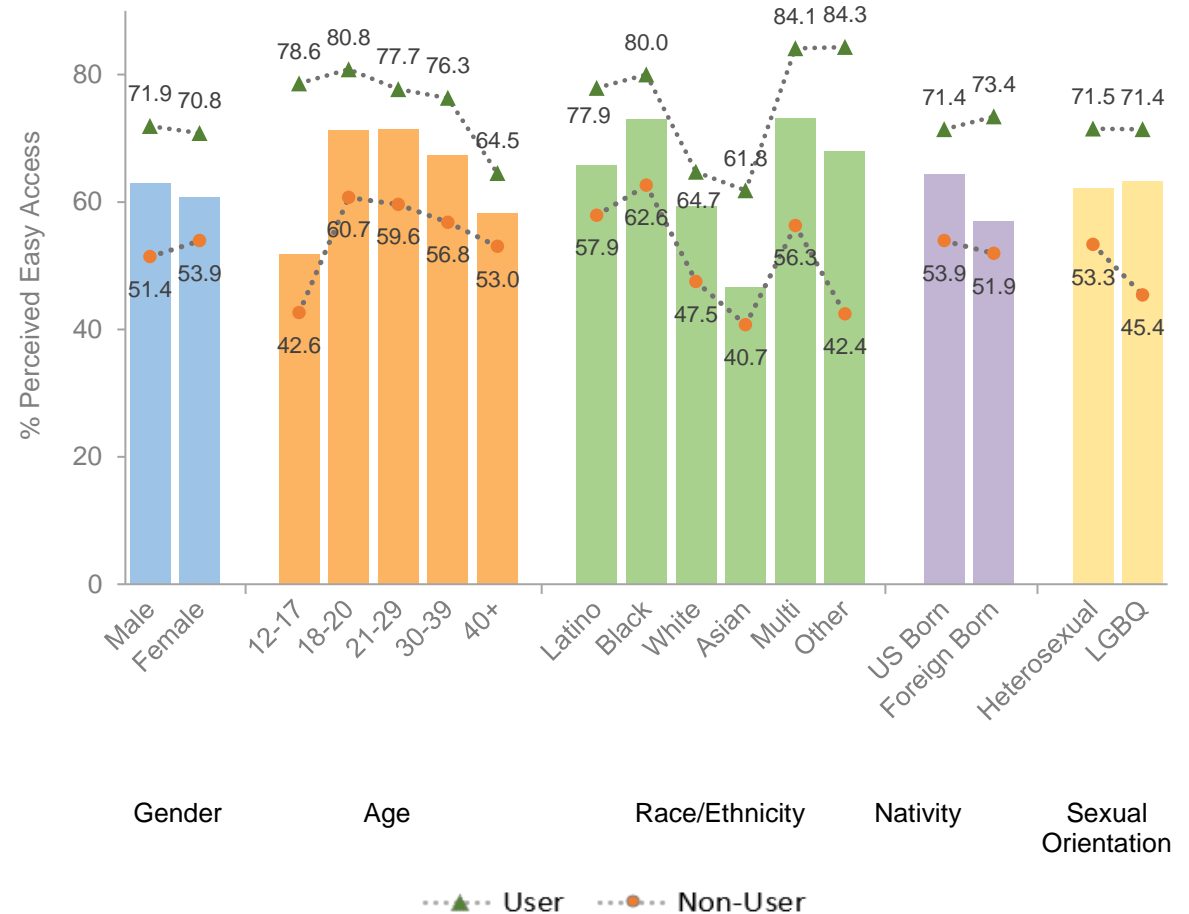
How **easy** would it be for **someone** to get marijuana on the street around your neighborhood? (%Easy)



Area	% Perceived Easy Access		
	All	Users	Non-Users
Service Planning Area (SPA)			
SPA 1	68.5	80.8	53.8
SPA 2	62.9	75.1	54.3
SPA 3	60.1	70.0	48.3
SPA 4	64.8	71.5	58.2
SPA 5	61.7	67.3	48.1
SPA 6	75.4	81.2	70.1
SPA 7	59.8	67.4	54.6
SPA 8	58.0	75.4	46.2
Supervisory District (SD)			
SD 1	64.7	74.6	57.0
SD 2	70.0	78.8	62.1
SD 3	62.8	71.5	52.1
SD 4	54.2	65.6	46.6
SD 5	61.8	70.6	51.5

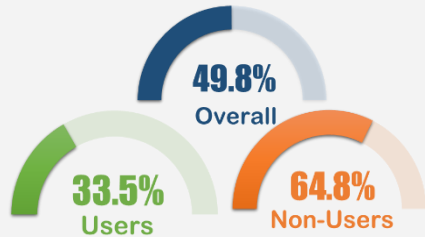
Notes: Users included those who had ever used marijuana. Non-Users included those who had never used marijuana. Easy access included response options “very easy” and “somewhat easy”.

Figure 15. Perceived Easy Access to Marijuana by Demographics



Perceived Risk of Youth Harm

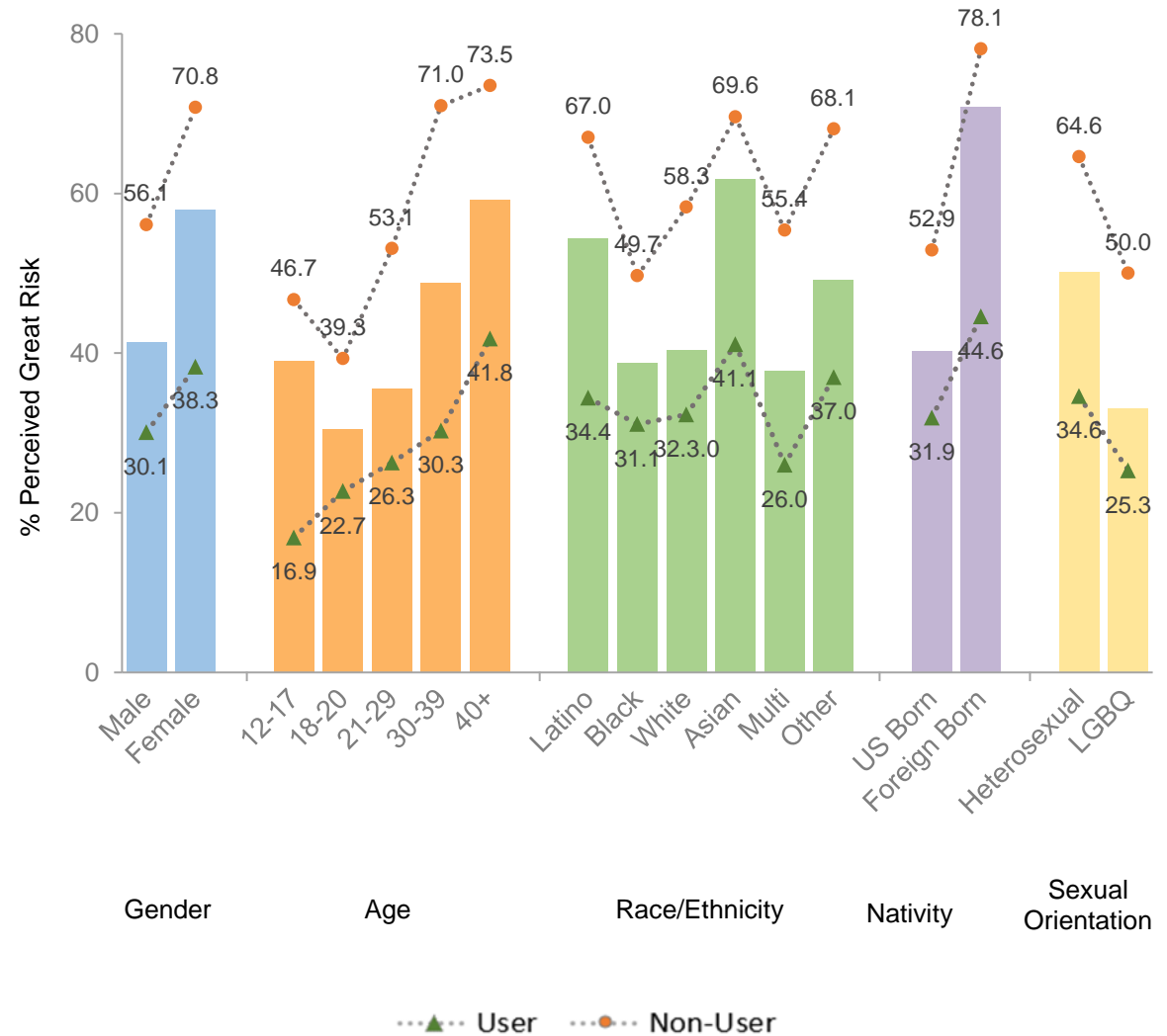
How much do you think **youth risk** harming themselves if they use marijuana regularly?
(%Great Risk)



Area	% Great Risk		
	All	User	Non-User
Service Planning Area (SPA)			
SPA 1	43.0	28.1	60.4
SPA 2	56.4	32.6	72.3
SPA 3	47.2	35.0	61.6
SPA 4	51.9	37.7	66.0
SPA 5	43.3	37.2	57.8
SPA 6	47.4	35.4	57.9
SPA 7	57.6	33.5	74.3
SPA 8	55.1	32.0	70.8
Supervisory District (SD)			
SD 1	54.4	36.5	68.7
SD 2	46.7	32.5	60.1
SD 3	53.2	39.2	69.2
SD 4	58.2	31.8	75.1
SD 5	45.7	32.4	61.1

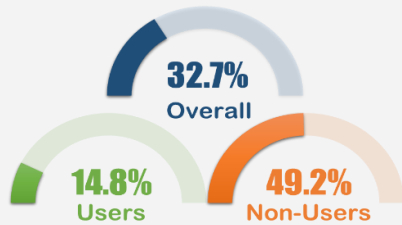
Notes: Users included those who had ever used marijuana. Non-Users included those who had never used marijuana. Regular marijuana use was defined as using marijuana at least once or twice a week.

Figure 16. Perceived Great Risk of Youth Using Marijuana Regularly by Demographics



Perceived Risk of Adult Harm

How much do you think **adult risk** harming themselves if they use marijuana regularly?
(%Great Risk)

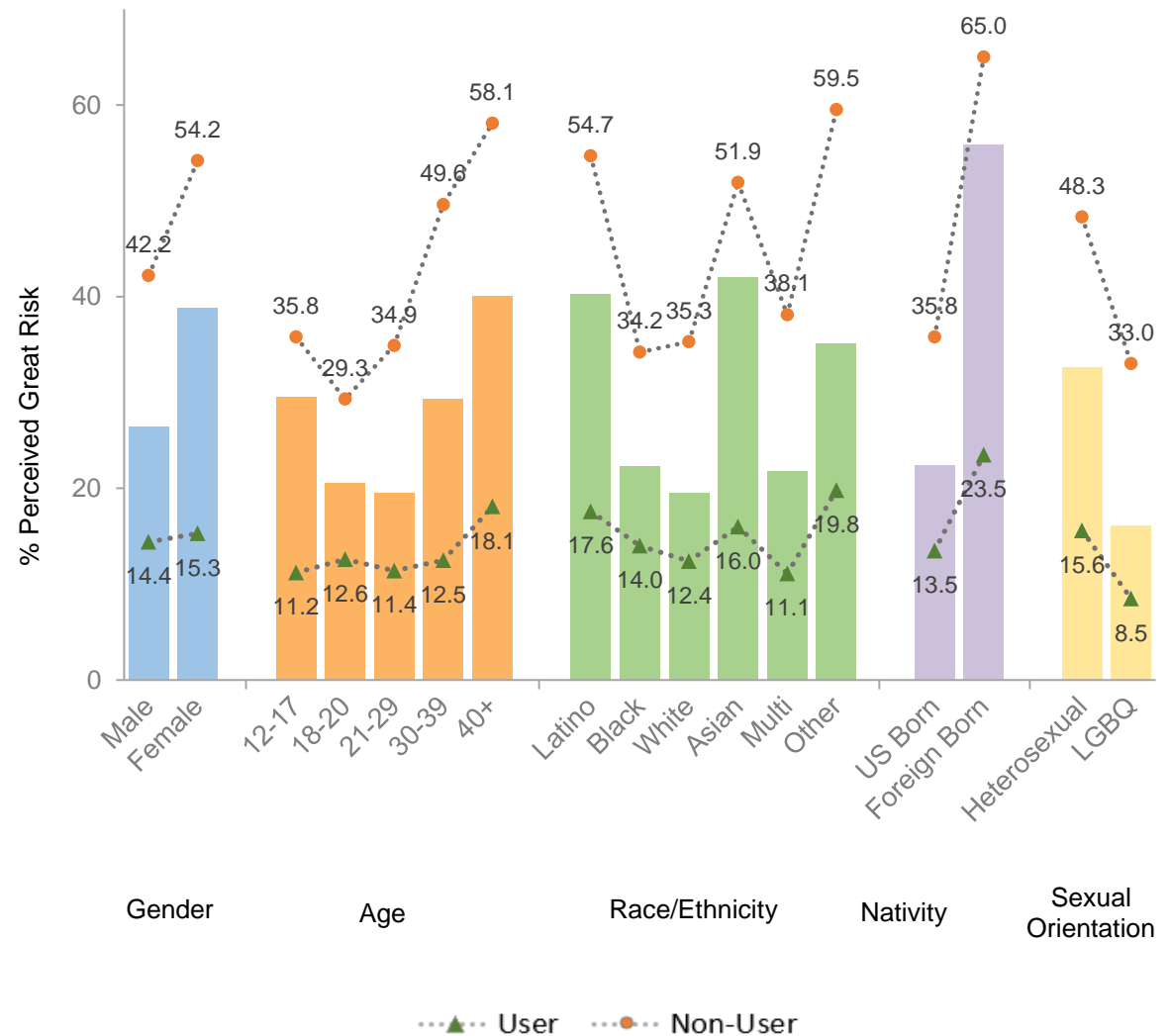


Area	% Great Risk		
	All	Users	Non-Users
Service Planning Area (SPA)			
SPA 1	23.7	7.6	42.4
SPA 2	38.9	17.0	53.3
SPA 3	28.9	13.9	46.6
SPA 4	34.1	15.8	52.3
SPA 5	18.8*	10.5*	38.6
SPA 6	30.5	17.6	42.0
SPA 7	42.8	19.0	59.3
SPA 8	38.1	12.2	55.8
Supervisory District (SD)			
SD 1	39.9	19.8	55.9
SD 2	31.2	15.8	46.1
SD 3	30.5	12.4	51.3
SD 4	40.1	13.0	57.4
SD 5	26.9	12.6	43.4

Notes: Users included those who had ever used marijuana. Non-Users included those who had never used marijuana. Regular marijuana use was defined as using marijuana at least once or twice a week.

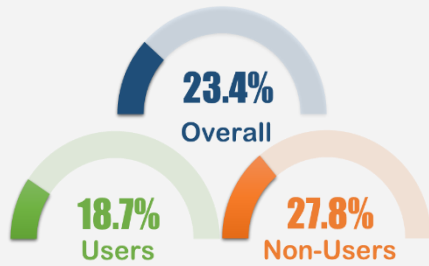
* The estimate is statistically unstable (RSE >30%). Interpret with caution.

Figure 17. Perceived Great Risk of Adults Using Marijuana Regularly by Demographics



Perceived Problem in Neighborhood

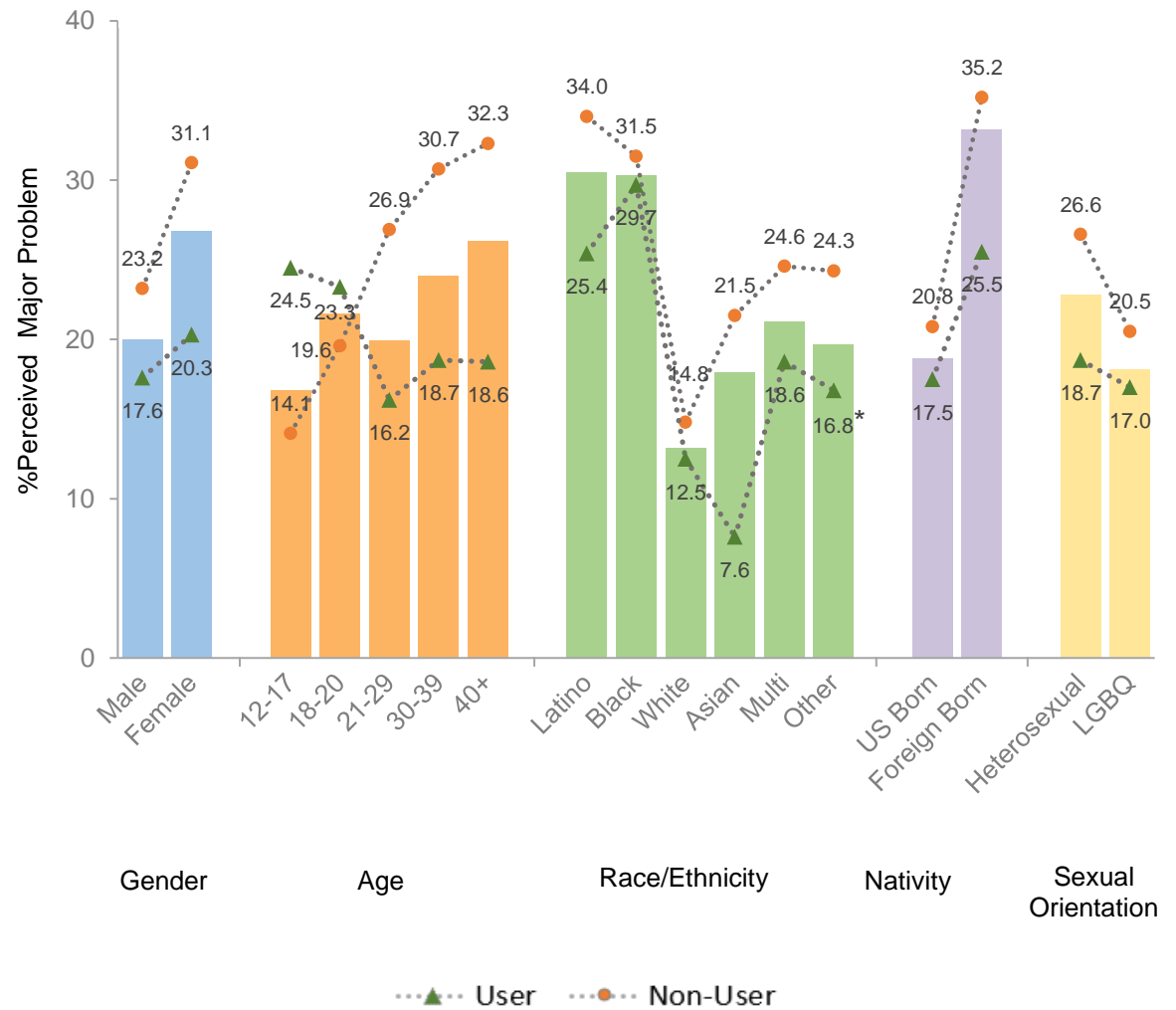
How much of a **problem** is marijuana use in your neighborhood? (%Major Problem)



Area	% Major Problem		
	All	Users	Non-Users
Service Planning Area (SPA)			
SPA 1	16.6	18.5	14.5
SPA 2	27.7	17.4	34.7
SPA 3	15.0	13.1	17.3
SPA 4	33.5	27.6	39.7
SPA 5	14.0	10.2	23.0
SPA 6	39.0	34.8	42.8
SPA 7	25.0	23.0	26.4
SPA 8	22.4	15.0	26.8
Supervisory District (SD)			
SD 1	30.4	25.9	34.2
SD 2	32.6	27.6	37.5
SD 3	25.4	16.5	35.9
SD 4	19.6	15.1	21.9
SD 5	14.9	12.5	17.8

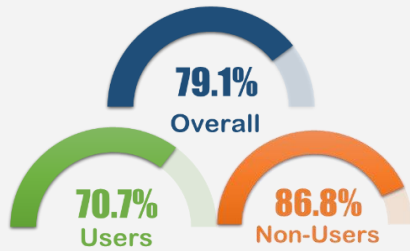
Notes: Users included those who had ever used marijuana. Non-Users included those who had never used marijuana.

Figure 18. Perception that Marijuana Use is a Major Problem in the Neighborhood by Demographics



Perceived Harm to Brain Development

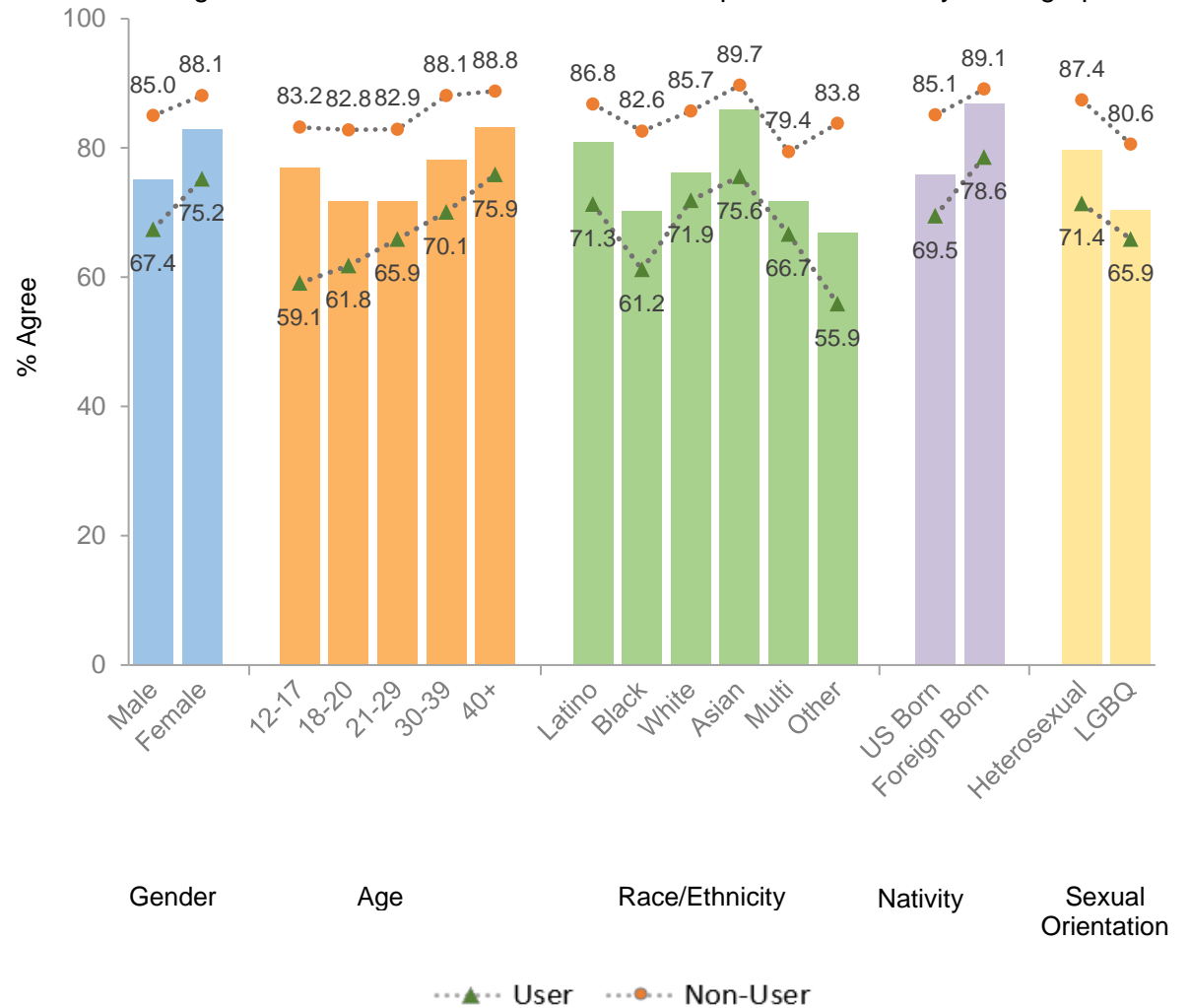
Marijuana is harmful to the **brain development** of youth? (%Agree)



Area	% Agree		
	All	Users	Non-Users
Service Planning Area (SPA)			
SPA 1	77.0	66.5	89.4
SPA 2	84.1	75.9	89.5
SPA 3	77.1	69.2	86.4
SPA 4	76.4	69.2	83.9
SPA 5	78.7	76.1	84.9
SPA 6	76.3	65.2	86.0
SPA 7	83.0	73.2	89.7
SPA 8	83.5	71.0	91.9
Supervisorial District (SD)			
SD 1	78.1	69.4	85.2
SD 2	78.8	68.9	88.2
SD 3	80.9	74.2	88.6
SD 4	82.7	69.9	91.0
SD 5	79.0	71.7	87.3

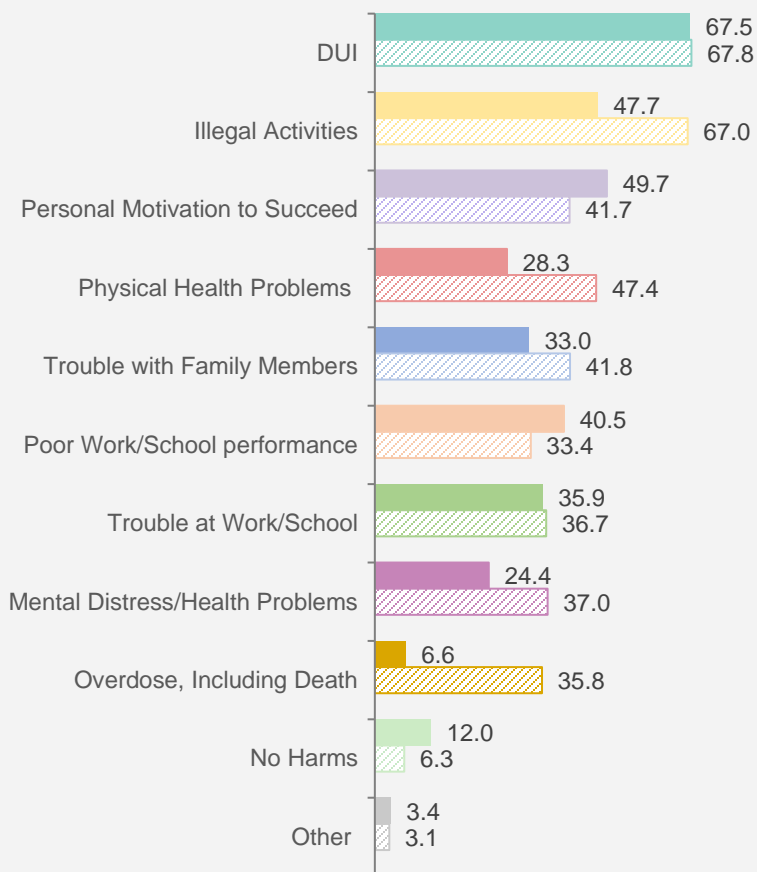
Notes: Users included those who had ever used marijuana. Non-Users included those who had never used marijuana. Agree includes response options "Agree" and "Strongly Agree".

Figure 19. Perceived Harm to Brain Development of Youth by Demographics



Perceived Harms

In what ways do you think marijuana use can cause harm? (%)



□ : Users ▨ : Non-Users

Notes: Only those who have used marijuana at least once in their lifetimes were asked this question.

Respondents selected all choices that applied.

“Illegal activities” included theft, arrest, property damage, obtaining from dealer.

“Other” included “all of the above”, “gateway drug”, “overeat”, etc.

* The estimate is statistically unstable (RSE >30%).

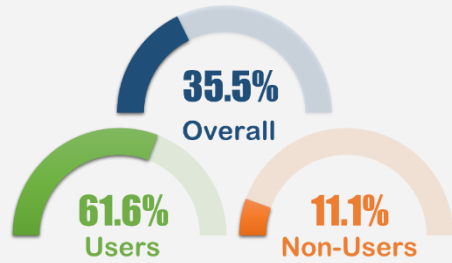
Interpret with caution.

Table 5. Perceived Harms of Marijuana Use by Demographics

	DUI	Illegal Activities	Personal Motivation	Physical health	Family trouble	Perform poorly	Work/school	Mental health	Overdose	No Harms	Other	
Most Common Perceived Harms (%)												
		1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th
Overall		67.7	57.6	45.5	38.3	37.7	36.9	36.3	31.0	21.8	9.1	3.2
Gender												
Male		64.2	53.4	41.8	36.5	35.8	35.0	32.2	26.1	16.0	11.4	3.2
Female		71.1	61.7	49.1	44.1	40.2	38.0	36.2	35.6	27.5	6.8	3.3
Age												
12-17		60.8	47.3	41.6	39.2	36.9	33.4	32.3	27.7	27.2	14.0	2.2
18-20		56.8	54.0	36.3	34.4	32.9	32.6	28.3	23.6	16.3	15.4	2.1
21-29		63.4	52.5	42.5	35.2	34.9	34.2	29.7	26.4	12.6	12.6	2.5
30-39		69.1	58.1	46.1	37.7	36.5	35.7	35.0	29.9	19.9	10.6	3.0
40+		74.5	58.8	51.8	42.3	40.1	37.7	36.8	33.2	24.6	5.6	3.9
Race/Ethnicity												
Latino		63.6	61.4	41.2	41.0	38.0	37.6	32.9	32.8	26.3	10.1	3.5
Black		58.7	52.6	33.7	32.8	30.6	27.3	26.3	21.5	16.6	11.3	2.1
White		74.8	58.8	48.0	45.2	37.5	35.0	34.4	29.4	10.6	7.9	4.1
Asian		72.7	67.5	51.4	40.7	40.7	36.5	35.0	34.6	34.2	3.5	1.1*
Multi		64.8	54.3	40.6	40.3	34.8	33.3	32.5	26.9	15.3	11.4	5.5
Other		54.9	52.8	40.4	37.7	36.4	33.4	32.1	30.1	20.3	16.4	13.1
Nativity												
US Born		66.6	52.3	48.1	39.6	36.2	34.1	33.6	27.7	13.4	10.8	3.3
Foreign Born		71.7	69.7	48.6	45.8	41.1	40.5	38.6	38.0	32.1	5.1	3.4
Sexual Orientation												
Heterosexual		69.1	57.9	46.3	38.6	37.7	37.7	36.9	30.4	21.4	8.7	3.2
LGBQ		58.7	51.0	45.3	37.4	36.8	34.2	32.3	31.0	13.4	9.7	2.9

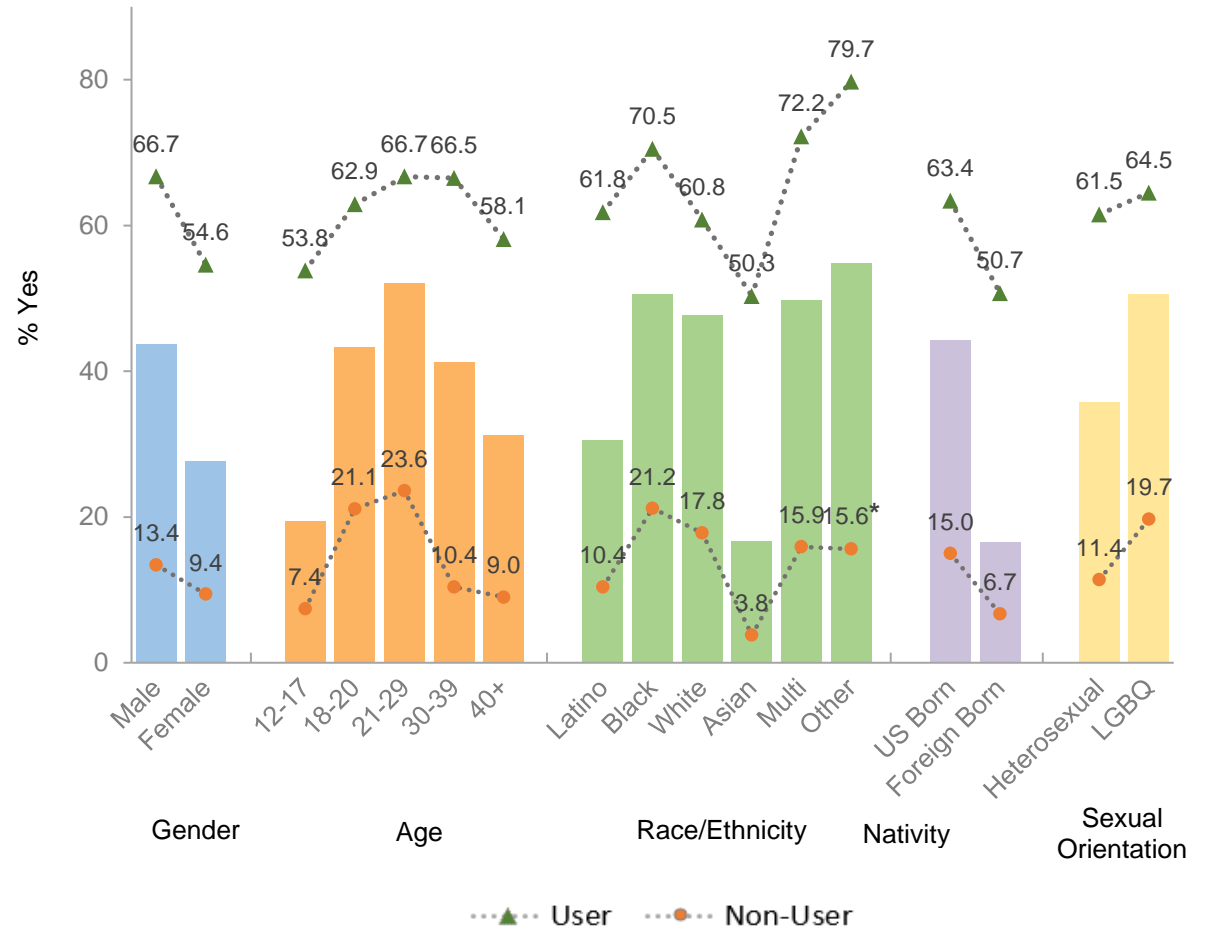
Passengers of Drivers Under the Influence

Have you ever been a **passenger** in a car when the driver was under the influence of marijuana? (%Yes)



Area	% Yes		
	All	Users	Non-Users
Service Planning Area (SPA)			
SPA 1	49.2	73.0	21.0
SPA 2	28.2	58.5	8.5
SPA 3	40.1	65.1	10.4
SPA 4	36.5	60.2	12.5
SPA 5	45.0	56.7	16.8
SPA 6	43.4	68.2	19.4
SPA 7	29.0	55.4	10.9
SPA 8	28.3	59.9	6.4
Supervisory District (SD)			
SD 1	35.4	63.1	13.2
SD 2	40.7	65.9	15.4
SD 3	37.2	59.6	11.2
SD 4	26.3	57.1	6.4
SD 5	37.3	60.7	10.3

Figure 20. Ever Been a Passenger of a Driver Under the Influence of Marijuana by Demographics



Notes: Users included those who had ever used marijuana. Non-Users included those who had never used marijuana
* The estimate is statistically unstable (RSE >30%). Interpret with caution.

Relationship to Drivers Under the Influence of Marijuana

Who drove under the influence of marijuana when you were the passenger? (%)

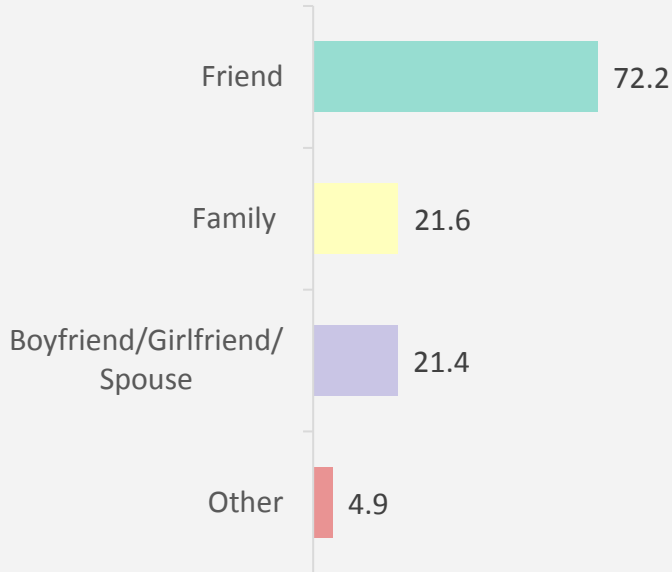


Table 6. Relationship of Driver Under the Influence of Marijuana to Passengers by Demographics

	Most Common Relationship (%)			
	Friend	Family	Boyfriend/ Girlfriend/ Spouse	Other
	1st	2nd	3rd	4th
Gender				
Male	79.9	19.8	15.1	4.3
Female	60.5	30.9	24.2	5.7
Age				
12-17	51.4	36.9	15.8	7.3
18-20	71.3	22.7	20.3	3.4*
21-29	74.7	24.0	22.2	2.8
30-39	73.1	28.3	23.0	4.9
40+	73.6	18.6	17.7	5.8
Race/Ethnicity				
Latino	70.5	24.0	19.4	5.0
Black	62.7	30.3	22.5	3.6
White	76.5	23.6	17.6	4.7
Asian	76.2	15.9	11.9	6.4*
Multi	67.1	32.8	26.7	6.4*
Other †	61.5	27.1	23.4*	11.3*
Nativity				
US Born	72.3	22.9	22.8	3.7
Foreign Born	73.1	14.6	11.1	10.8
Sexual Orientation				
Heterosexual	72.7	22.2	20.7	4.4
LGBQ	71.0	26.9	18.7	6.2

Notes: Question shown here is modified from the original question for clarity.

Only those who answered “Yes” to “If ‘yes’ to ‘Have you ever been a passenger in a car when the driver was under the influence of marijuana’, who was the driver?” were asked this question.

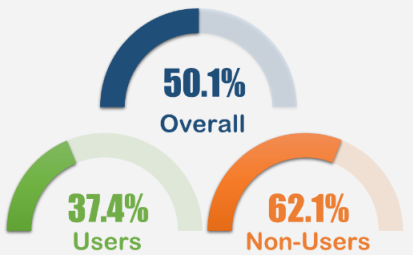
Respondents selected all choices that applied.

* The estimate is statistically unstable (RSE >30%);

† The estimate is statistically unstable (sample size ≤ 70); Interpret with caution.

Likelihood of Seeking Help

If you had a problem with marijuana use, how likely would you **seek professional help**? (%Very Likely)



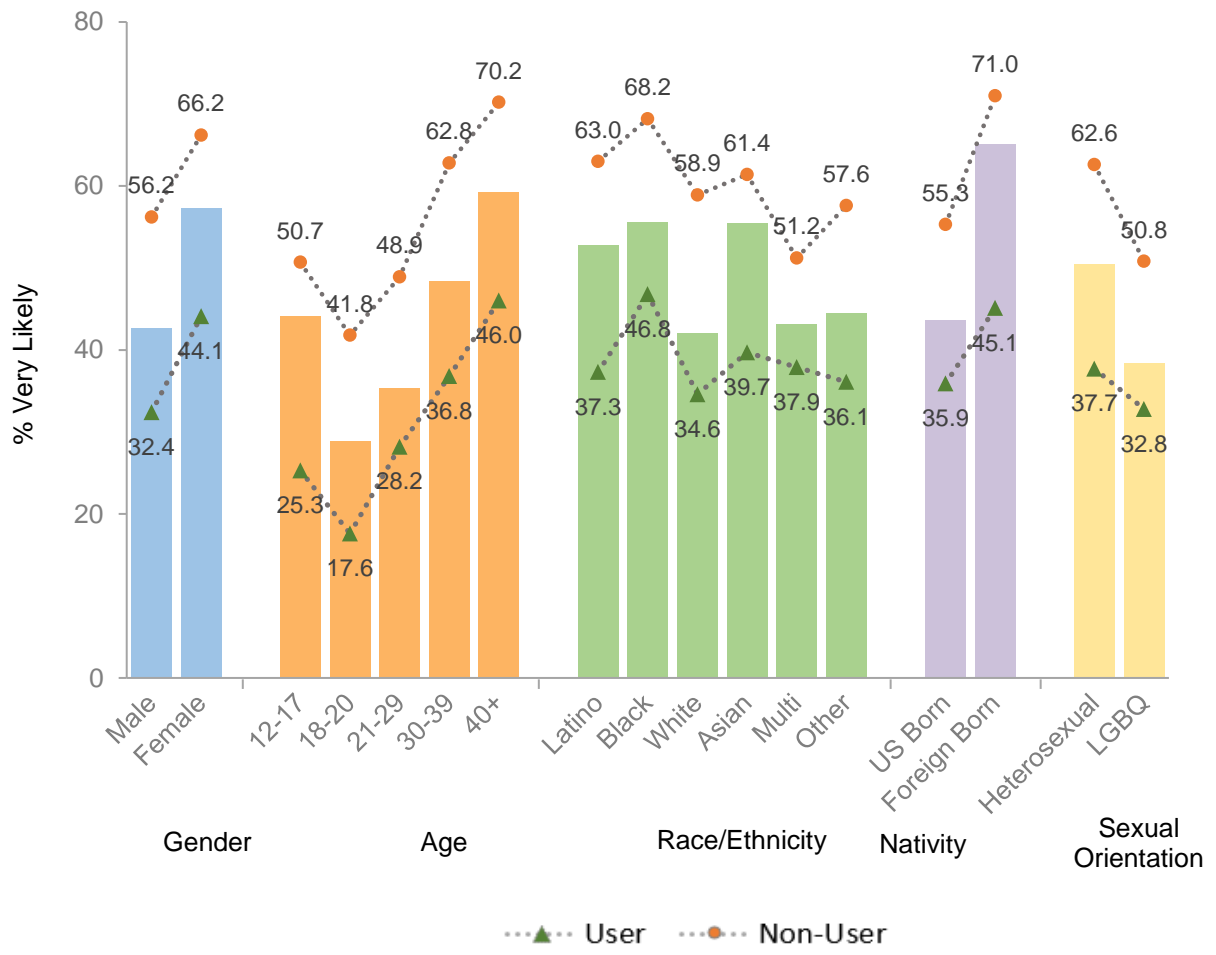
Area	% Very Likely		
	All	Users	Non-Users
Service Planning Area (SPA)			
SPA 1	53.6	42.7	66.0
SPA 2	52.8	40.0	61.6
SPA 3	44.7	31.6	60.1
SPA 4	49.6	39.4	59.9
SPA 5	43.5	38.3	55.9
SPA 6	55.0	46.3	63.7
SPA 7	60.1	42.7	72.0
SPA 8	51.9	34.0	64.3



Area	% Very Likely		
	All	Users	Non-Users
Supervisorial District (SD)			
SD 1	54.6	40.8	65.6
SD 2	50.7	42.8	58.9
SD 3	48.0	37.4	61.0
SD 4	55.6	33.7	69.3
SD 5	46.6	35.1	59.9

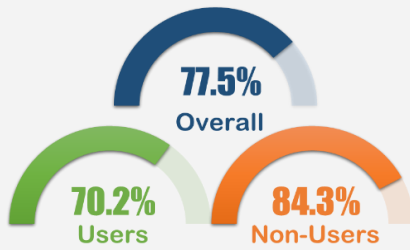
Notes: Users included those who had ever used marijuana. Non-Users included those who had never used marijuana.

Figure 21. Likelihood of Seeking Professional Help for Marijuana Use Problem by Demographics



Public Advertising

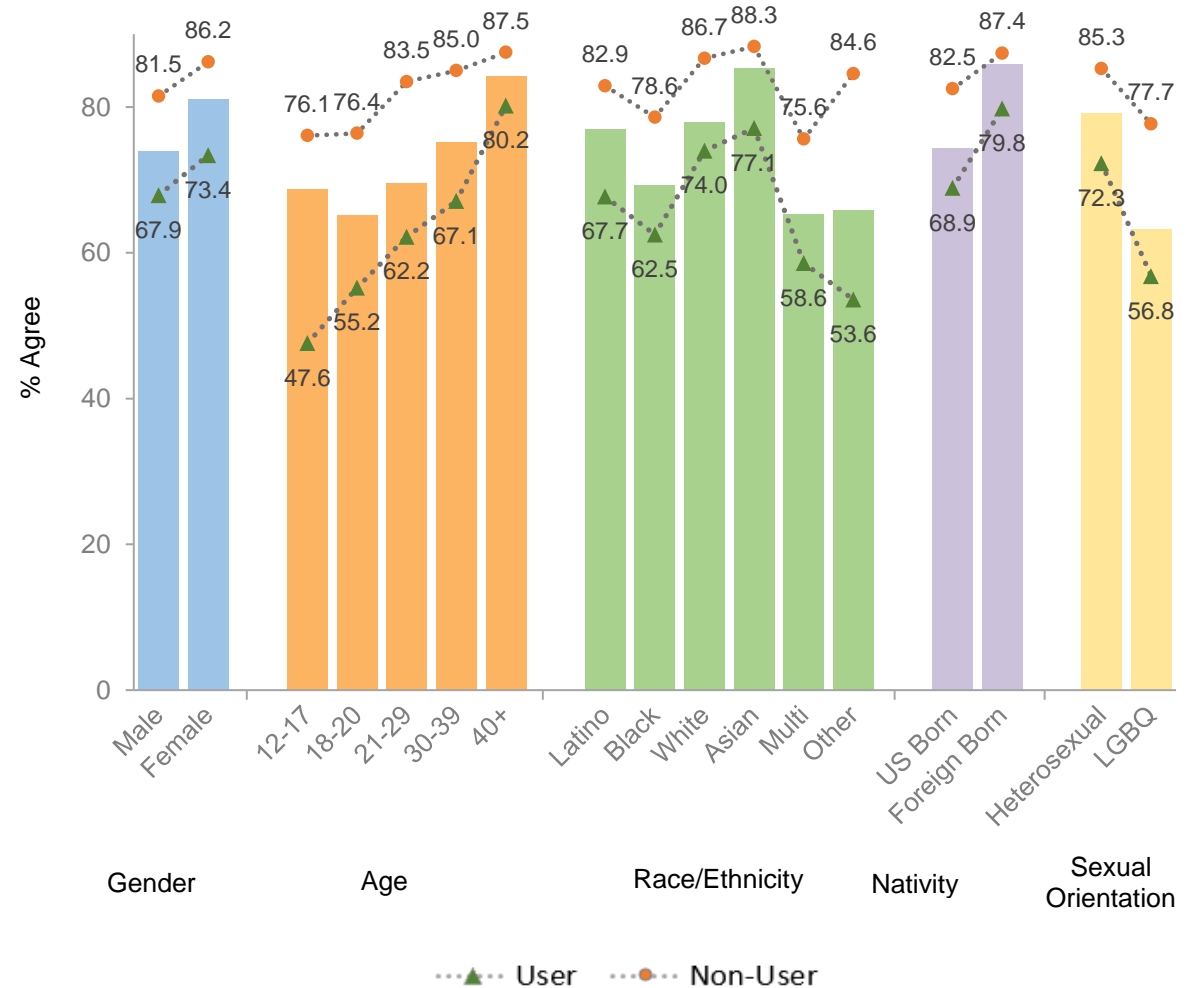
State law should **prohibit advertising** of marijuana products on billboards, commercials, and public places in the same way it is restricted for tobacco products.
(%Agree)



Area	% Agree		
	All	Users	Non-Users
Service Planning Area (SPA)			
SPA 1	74.6	64.1	86.7
SPA 2	77.8	70.7	82.3
SPA 3	75.0	67.8	83.5
SPA 4	80.0	75.7	84.1
SPA 5	82.8	81.6	85.6
SPA 6	73.7	65.6	80.8
SPA 7	79.4	68.6	86.9
SPA 8	83.0	71.2	91.0
Supervisorial District (SD)			
SD 1	77.2	68.9	83.8
SD 2	77.7	72.2	82.7
SD 3	80.4	76.6	84.7
SD 4	82.2	69.0	90.6
SD 5	75.0	67.9	83.1

Notes: Users included those who had ever used marijuana. Non-Users included those who had never used marijuana. Agree includes response options "Agree" and "Strongly Agree".

Figure 22. Support for Prohibiting Advertising of Marijuana Products by Demographics



Summary of Findings

Prevalence of Marijuana Use

- Almost half of LAC residents aged 12 and older (48.1%) used marijuana at least once in their lifetime (lifetime marijuana use).
- The rate of current marijuana use (at least once in the past 30 days) among LAC residents aged 12 and older was 13.8%. This was higher than that reported in the National Survey on Drug Use and Health (NSDUH) 2014-2016, in which 9.8% of LAC residents aged 12 and older reported current use of marijuana.
- Lifetime and current marijuana use were highest among males (56.5% and 18.5%), those aged 21-29 (65.7% and 25.2%), US born (60.0% and 18.0%), and LGBTQ (69.0% and 26.0%).
- The rate of lifetime marijuana use among youth aged 12-17 was 25.5%. This was lower than that reported in the 2017 Youth Risk Behavior Survey (YRBS), in which 35.9% of high school students in the Los Angeles Unified School District reported lifetime use of marijuana.
- The rate of current marijuana use among youth aged 12-17 was 11.1%. This was higher than that reported in the NSDUH (7.6%) but lower than that reported in the 2017 YRBS (19.1%).
- Although Whites had the highest rate of lifetime use (69.2%), multi-racial/ethnic group (23.9%) and Blacks (22.6%) had higher rates of current use compared to other racial/ethnic groups.
- SPA 6 had the highest rate of current use of marijuana (17.2%), followed by SPA 1 (16.9%), SPA 4 (15.5%), SPA 5 (15.4%), SPA 3 (14.1%), SPA 8 (12.7%), SPA 2 (10.5%), and SPA 7 (9.8%).
- SD 2 had the highest rate of current use of marijuana (16.2%), followed by SD 3 (15.1%), SD 5 (14.4%), SD 1 (11.4%), and SD 4 (10.5%).

Frequency of Use

- Current marijuana users used marijuana an average of 14 days in the past 30 days.
- SPA 1 had the highest average number of days of marijuana use in the past 30 days (16), followed by SPA 2 (16), SPA 8 (15), SPA 4 (15), SPA 7 (15), SPA 6 (14), SPA 3 (14), and SPA 5 (12).
- SD 2 had the highest average number of days of marijuana use in the past 30 days (15), followed by SD 5 (15), SD 4 (15), SD 1 (15), and SD 3 (14).

Age of Initiation

- The average age of first use of marijuana among LAC residents aged 12 and older was 17 years; 61.0% first used marijuana before age 18.
- SPA 1 had the highest rate of users initiating marijuana use under the age of 18 (71.1%), followed by SPA 6 (64.2%), SPA 8 (63.8%), SPA 3 (63.3%), SPA 7 (63.1%), SPA 2 (60.7%), SPA 5 (52.2%), and SPA 4 (50.6%).
- SD 5 had the highest rate of users initiating marijuana use under the age of 18 (67.0%), followed by SD 4 (65.3%), SD 1 (62.2%), SD 2 (58.6%), and SD 3 (48.3%).

Accessibility

- Of those who used marijuana at least once in their lifetime, about 81.2% reported marijuana was easy for them to obtain.
- Among youth aged 12-17 who used marijuana at least once, 82.7% reported marijuana was easy for them to obtain.
- SPA 8 (86.5%) had the highest rate of users who reported it was easy for them to obtain marijuana, followed by SPA 4

Summary of Findings (Cont.)

86.4%), SPA 1 (84.9%), SPA 3 (82.9%), SPA 2 (81.1%), SPA 5 (79.5%), SPA 6 (79.5%), and SPA 7 (78.1%).

- SD 5 (83.5%) had the highest rate of users who reported it was easy for them to obtain marijuana, followed by SD 1 (82.9%), SD 3 (82.3%), SD 2 (81.9%), and SD 4 (81.6%).

Reasons for Use

- The most common reasons for using marijuana were for fun (63.6%), to relax (52.4%), and to get high (32.7%), nonetheless, 14.7% reported using marijuana to deal with depression.
- Asian (21.2%) and foreign born (20.0%) residents reported that they used marijuana to fit in, which was higher than the overall rate (16.0%).

Setting of Use

- Overall, LAC marijuana users typically used marijuana with friends (65.6%), particularly for youth (73.8%), young adults aged 18-20 (82.6%), Asians (71.8%) and those who were foreign-born (71.8%).
- About one-fourth of LAC marijuana users (24.5%) typically used marijuana alone, particularly for Black/African Americans (36.4%) and adults aged 40+ (29.7%).

Route of Administration

- Nearly all marijuana users (95.4%) had used marijuana by smoking it. More than half (54.6%) had used marijuana edibles, and 27.7% had vaped marijuana.
- Marijuana vaping was more often reported among young adults (aged 18-20: 43.0%; aged 21-29: 42.6%) compared to other age groups.

Source of Marijuana

- Marijuana users most commonly obtained their marijuana from a friend (57.8%), followed by a dispensary (21.0%), family/relative (11.1%), and dealer (5.6%). The internet (0.2%) accounted for the smallest portion among all sources.
- Friends were the most common source of obtaining marijuana for all demographic groups except for those reporting multi-race/ethnicity, among whom dispensaries (37.4%) was the most common source.

Place of Last Use

- Home (43.0%) was the most common place of last marijuana use, followed by a friend's home (27.8%), public place (12.7%), party/kick-back (9.5%), and work/school (3.2%).
- A friend's home was more likely to be the place of last marijuana use among young adults aged 12-17 (24.5%), 18-20 (31.0%) and Asians (44.4%).

Harms of Use

- More than half (59.4%) of marijuana users reported no harms from using marijuana.
- The most common harms reported by marijuana users were DUI (16.4%), a decrease in personal motivation to succeed (12.5%) and engaging in illegal activities (11.6%). Overdose accounted for the smallest portion (1.1%) among all harms experienced by users.

Gone to Work/School Under the Influence

- Overall in LAC, 27.2% of users aged 12 and older had gone to work or school while under the influence of marijuana.

Summary of Findings (Cont.)

- The highest rates of having gone to work/school under the influence of marijuana were among males (33.6%), youth aged 12-17 (49.2%), US born (28.8%), and LGBTQ (27.6%).
- SPA 1 had the highest rate (34.8%) of users who had gone to work/school under the influence of marijuana, followed by SPA 3 (31.1%), SPA 4 (27.3%), SPA 6 (26.4%), SPA 7 (26.0%), SPA 8 (23.7%), SPA 2 (22.7%), and SPA 5 (12.3%)
- SD 1 had the highest rate (30.9%) of users who had gone to work/school under the influence of marijuana, followed by SD 5 (29.0%), SD 2 (26.1%), SD 4 (24.3%), and SD 3 (17.9%).

Driving Under the Influence

- Overall in LAC, 39.1% of users had driven a car while under the influence of marijuana.
- The highest rates of driving a car while under the influence of marijuana were among males (46.4%), young adults aged 21-29 (44.6%), US born (40.9%), and heterosexuals (39.6%).
- SPA 1 had the highest rate (45.7%) of users who had driven a car while under the influence of marijuana, followed by SPA 3 (41.5%), SPA 8 (41.4%), SPA 7 (39.7%), SPA 6 (37.7%), SPA 4 (37.7%), SPA 2 (34.9%), and SPA 5 (31.6%).
- SD 4 had the highest rate (41.9%) of users who had driven a car while under the influence of marijuana, followed by SD 1 (40.2%), SD 5 (40.0%), SD 2 (37.9%), and SD 3 (34.0%).

Marijuana Use Among Close Friends

- Almost half (43.1%) of LAC residents aged 12 and older had close friends who use marijuana. Marijuana users were more likely than non-users to have close friends who use marijuana

(67.0% vs. 20.7%). The highest rates of having close friends that use marijuana were among male (68.4%), young adults (aged 18-20) (82.2%), multi-racial/ethnic (79.4%), US Born (68.3%), and LGBTQ (78.9%).

- SPA 5 (58.0%) had the highest overall rate of use among close friends, followed by SPA 1 (48.7%), SPA 6 (47.1%), SPA 3 (46.5%), SPA 4 (44.8%), SPA 8 (37.9%), SPA 2 (37.8%), and SPA 7 (34.0%).
- SD 3 (48.2%) had the highest overall rate of use among close friends, followed by SD 5 (47.2%), SD 2 (45.9%), SD 1 (39.4%), and SD 4 (33.7%).

Marijuana Use Among Family Members

- Over a third (38.4%) of LAC residents aged 12 and older had family members who use marijuana. Those who have used marijuana were more likely than non-users to have family members who use marijuana (58.8% vs. 19.5%).
- Among users, the highest rates of having family members that use marijuana were female (62.7%), aged 30-39 (66.2%), Black (76.3%), US born (60.6%), and LGBTQ (63.6%).
- SPA 6 (47.5%) had the highest rate of having family members that use marijuana, followed by SPA 1 (45.6%), SPA 5 (43.5%), SPA 3 (40.1%), SPA 4 (37.4%), SPA 8 (34.4%), SPA 7 (33.9%) and SPA 2 (33.4%).
- SD 2 (43.0%) had the highest rate of having family members that use marijuana, followed by SD 5 (40.4%), SD 3 (39.2%), SD 1 (36.2%), and SD 4 (31.6%).

Summary of Findings (Cont.)

Prevalence of Synthetic Marijuana Use

- Among LAC residents aged 12 and older, 5.4% have used synthetic marijuana at least once in their lifetime, and 1.2% have used synthetic marijuana in the past 30 days.
- Males (7.4%), those aged 21-29 (11.7%), US Born (6.9%), and LGBTQ (11.1%) had the highest rates of lifetime synthetic marijuana use.
- The highest rate of current synthetic marijuana use was among males (1.7%), youth 12-17 (2.5%), US born (1.5%), and LGBTQ (4.1%).
- SPA 1 had the highest rate of lifetime synthetic marijuana use (7.3%), followed by SPA 4 (6.6%), SPA 3 (6.5%), SPA 2 (3.9%), SPA 7 (3.9%), SPA 6 (3.8%), SPA 5 (3.2%), and SPA 8 (3.0%).
- SD 1 (6.0%) had the highest rate of lifetime synthetic marijuana use, followed by SD 5 (5.8%), SD 3 (4.7%), SD 2 (4.5%) and SD 4 (2.8%).

Perceived Accessibility

- In LAC, 61.8% of residents aged 12 and older perceived easy access for someone to obtain marijuana around their neighborhood. Those who have used marijuana were more likely to perceive easy access to marijuana around their neighborhood than those who have not used marijuana (71.4% vs. 52.9%).
- Overall, males (62.9%), those aged 21-29 (71.4%), multi-racial/ethnic (73.1%), US born (64.3%), and LGBTQ (63.3%) were more likely to perceive easy access to marijuana around their neighborhood.

- SPA 6 (75.4%) had the highest rate of perceived easy access to marijuana around their neighborhood, followed by SPA 1 (68.5%), SPA 4 (64.8%), SPA 2 (62.9%), SPA 5 (61.7%), SPA 3 (60.1%), SPA 7 (59.8%), and SPA 8 (58.0%).
- SD 2 (70.0%) had the highest rate of perceived easy access to marijuana around their neighborhood, followed by SD 1 (64.7%), SD 3 (62.8%), SD 5 (61.8%), and SD 4 (54.2%).

Perceived Risk of Youth Regular Use

- Half (49.8%) of LAC residents aged 12 and older perceived regular marijuana use (1-2 times per week) to be a great risk for youth. Those who used marijuana were less likely to perceive regular marijuana use to be a great risk for youth compared to non-users of marijuana (33.5% vs. 64.8%).
- Overall, males (41.3%), young adults aged 18-20 (30.5%), multi-racial/ethnic (37.8%), US born (40.3%), and LGBTQ (33.0%) were less likely to perceive regular marijuana use to be a great risk for youth.
- SPA 7 (57.6%) had the highest rate of perceiving regular marijuana use to be a great risk for youth, followed by SPA 2 (56.4%), SPA 8 (55.1%), SPA 4 (51.9%), SPA 6 (47.4%), SPA 3 (47.2%), SPA 5 (43.3%), and SPA 1 (43.0%).
- SD 4 (58.2%) had the highest rate of perceiving regular marijuana use to be a great risk for youth, followed by SD 1 (54.4%), SD 3 (53.2%), SD 2 (46.7%), and SD 5 (45.7%).

Summary of Findings (Cont.)

Perceived Risk of Adult Regular Use

- About a third (32.7%) of LAC residents aged 12 and older perceived regular use of marijuana to be a great risk for adults. Those who had used marijuana were less likely to perceive regular use of marijuana to be a great risk for adults compared to non-users of marijuana (14.8% vs. 49.2%).
- Overall, males (26.4%), adults aged 21-29 (19.5%), Whites (19.5%), US Born (22.4%), and LGBQ (16.1%) were less likely to perceive regular use of marijuana to be a great risk for adults.
- SPA 7 (42.8%) had the highest rate of perceiving regular use of marijuana to be a great risk for adults, followed by SPA 2 (38.9%), SPA 8 (38.1%), SPA 4 (34.1%), SPA 6 (30.5%), SPA 3 (28.9%), SPA 1 (23.7%), and SPA 5 (18.8%).
- SD 4 (40.1%) had the highest rate of perceiving regular marijuana use to be a great risk for adults, followed by SD 1 (39.9%), SD 2 (31.2%), SD 3 (30.5%), and SD 5 (26.9%).

Perceived Problem in Neighborhood

- In LAC, about a quarter of participants (23.4%) reported marijuana use as a major problem in their neighborhood. Those who had used marijuana were less likely to perceive marijuana as a major problem in their neighborhood compared to non-users (18.7% vs. 27.8%).
- Overall, females (26.8%), adults aged 40+ (26.2%), Latinos (30.5%) and Black/African-Americans (30.3%), foreign born (33.2%) and heterosexuals (22.8%) were more likely to perceive marijuana as a major problem in their neighborhood.

- SPA 6 (39.0%) had the highest rate of perceiving marijuana as a major problem in their neighborhood, followed by SPA 4 (33.5%), SPA 2 (27.7%), SPA 7 (25.0%), SPA 8 (22.4%), SPA 1 (16.6%), SPA 3 (15.0%), and SPA 5 (14.0%).
- SD 2 (32.6%) had the highest rate of perceiving marijuana as a major problem in their neighborhood, followed by SD 1 (30.4%), SD 3 (25.4%), SD 4 (19.6%), and SD 5 (14.9%).

Perceived Harm to Brain Development

- A majority of LAC residents aged 12 and older (79.1%) agreed that marijuana is harmful to the brain development of youth. Those who have used marijuana were less likely to believe marijuana is harmful to the brain development of youth compared to non-users (70.7% vs. 86.8%).
- In general, males (75.1%), youth aged 18-20 (71.7%) and young adults aged 21-29 (71.8%), US born (75.8%), and LGBQ (70.4%) were less likely to perceive marijuana use to be harmful to brain development of youth.
- SPA 2 (84.1%) had the highest rate of perceiving marijuana use to be harmful to youth brain development, followed by SPA 8 (83.5%), SPA 7 (83.0%), SPA 5 (78.7%), SPA 3 (77.1%), SPA 1 (77.0%), SPA 4 (76.4%), and SPA 6 (76.3%).
- SD 4 (82.7%) had the highest rate of perceiving marijuana use to be harmful to youth brain development, followed by SD 3 (80.9%), SPA 5 (79.0%), SD 2 (78.8), and SD 1 (78.1%).

Summary of Findings (Cont.)

Perceived Harms

- Overall, DUI was the most commonly perceived harm from marijuana use (67.7%), followed by engagement in illegal activities (57.6%), and decreased personal motivation to succeed (45.5%).
- Non-marijuana users were more likely than users to think that marijuana use could cause harm, including engagement in illegal activities (67.0% vs. 47.7%), physical health problems (47.4% vs. 28.3%), trouble with family members (41.8% vs. 33.0%), mental distress/health problems (37.0% vs. 24.4%), and overdose (35.8% vs. 6.6%).
- Marijuana users were more likely than non-users to think that marijuana use could impair personal motivation to succeed (49.7% vs. 41.7%) and work/school performance (40.5% vs. 33.4%).

Passengers of Drivers Under the Influence of Marijuana

- Over a third of LAC residents (35.5%) have been a passenger in a car when the driver was driving under the influence of marijuana.
- Among those who have been a passenger in a car when the driver was under the influence of marijuana, the driver was most commonly a friend of the passenger (72.2%), followed by a family member (21.6%), and partner (21.4%).
- SPA 1 (49.2%) had the highest rate of residents who had been a passenger in a car when the driver was driving under the influence of marijuana, followed by SPA 5

- (45.0%), SPA 6 (43.4%), SPA 3 (40.1%), SPA 4 (36.5%), SPA 7 (29.0%), SPA 8 (28.3%), and SPA 2 (28.2%).
- SD 2 (40.7%) had the highest rate of residents who had been a passenger in a car when the driver was driving under the influence of marijuana followed by SD 5 (37.3%), SD 3 (37.2%), SD 1 (35.4%), and SD 4 (26.3%).

Likelihood of Seeking Help

- Half of LAC residents aged 12 and older (50.1%) reported they would seek professional help if they had a problem with marijuana use. Marijuana users were less likely to report they would seek professional help if they had a problem with marijuana use compared to non-users (37.4% vs. 62.1%).
- In general, males (42.6%), those aged 18-20 (28.9%), Whites (42.0%), US born (43.6%), and LGBTQ (38.3%) were less likely to report they would seek professional help if they had a problem with marijuana use.
- SPA 7 (60.1%) had the highest rate of reporting that they would seek professional help for a marijuana problem, followed by SPA 6 (55.0%), SPA 1 (53.6%), SPA 2 (52.8%), SPA 8 (51.9%), SPA 4 (49.6%), SPA 3 (44.7%), SPA 5 (43.5%).
- SD 4 (55.6%) had the highest rate of reporting that they would seek professional help for a marijuana problem, followed by SD 1 (54.6%), SD 2 (50.7%), SD 3 (48.0%), and SD 5 (46.6%).

Summary of Findings (Cont.)

Public Advertising

- A majority of LAC residents aged 12 and older (77.5%) agreed that California state law should prohibit public advertisements of marijuana products. Marijuana users were less likely to agree that California state law should prohibit public advertisements of marijuana products compared to non-users (70.2% vs. 84.3%).
- Females (81.1%), aged 40+ (84.2%), Asians (85.3%), foreign born (85.8%), and heterosexuals (79.1%) were more likely to agree with prohibiting public advertisement of marijuana products.
- SPA 8 (83.0%) had the highest rate of residents who agreed that marijuana advertisements should be prohibited, followed by SPA 5 (82.8%), SPA 4 (80.0%), SPA 7 (79.4%), SPA 2 (77.8%), SPA 3 (75.0%), SPA 1 (74.6%), and SPA 6 (73.7%).
- SD 4 (82.2%) had the highest rate of residents who agreed that marijuana advertisements should be prohibited, followed by SD 3 (80.4%), SD 2 (77.7%), SD 1 (77.2%), and SD 5 (75.0%).

Appendix A: Final Analysis Sample

Demographics for Final Analysis Sample

Category	N	%
LAC	7,638	
Gender		
Male	3,030	39.7%
Female	4,608	60.3%
Age		
12-17	2,994	39.2%
18-20	539	7.1%
21-29	1,182	15.5%
30-39	1,024	13.4%
40+	1,899	24.9%
Race/Ethnicity		
Latino	3,955	51.8%
Black	1,066	14.0%
White	955	12.5%
Asian	815	10.7%
Multi	536	7.0%
Other	200	2.6%
Native American	58	0.8%
Pacific Islander	53	0.7%
Nativity		
US Born	5,812	78.2%
Foreign Born	1,616	21.8%
Sexual Orientation		
Heterosexual	6,389	89.8%
LGBQ	724	10.2%

Geographic Distribution for Final Analysis Sample

Area	N	%
LAC	5,945	
SPA 1	163	2.7%
SPA 2	873	14.7%
SPA 3	1,250	21.0%
SPA 4	936	15.7%
SPA 5	288	4.8%
SPA 6	883	14.9%
SPA 7	859	14.5%
SPA 8	693	11.7%
SD 1	1,466	24.7%
SD 2	1,508	25.4%
SD 3	968	16.3%
SD 4	856	14.4%
SD 5	1,147	19.3%

Notes: SPA and SD were based on zip code of residence.

Appendix B: Prevalence and Use Behavior

Category	Lifetime Marijuana Use (%Yes)		Current Marijuana Use (%Yes)		Days of Use in the Past 30 Days (Mean)		Age of Initiation (Mean)		Initiation Before Age 18 (%Yes)	
	%	95% C.I.	%	95% C.I.	Mean	95% C.I.	Mean	95% C.I.	%	95% C.I.
LAC	48.1	(41.1-55.1)	13.8	(11.3-16.3)	14	(13-15)	17	(17-18)	61.0	(55.4-66.6)
Gender										
Male	56.5	(48.9-64.2)	18.5	(14.8-22.2)	15	(13-17)	17	(16-18)	62.6	(56.5-68.7)
Female	40.0	(32.4-47.7)	9.2	(7.3-11.1)	13	(11-15)	18	(17-19)	58.8	(51.5-66.0)
Age										
12-17	25.5	(20.8-30.3)	11.1	(8.1-14.0)	10	(8-12)	13	(12-14)	n/a	
18-20	53.0	(45.2-60.8)	25.1	(21.8-28.3)	12	(9-16)	18 [‡]	(17-18)	82.7	(76.5-88.9)
21-29	65.7	(59.3-72.1)	25.2	(20.8-29.6)	15	(13-17)	n/a		62.1	(54.6-69.6)
30-39	54.8	(47.3-62.4)	16.6	(12.4-20.7)	13	(11-15)	n/a		58.8	(54.3-63.2)
40+	45.2	(35.7-54.6)	8.6	(5.7-11.6)	16	(14-18)	n/a		55.0	(47.0-63.0)
Race/Ethnicity										
Latino	39.0	(32.6-45.4)	11.8	(9.3-14.3)	13	(11-15)	17	(16-17)	66.5	(61.8-71.2)
Black	58.7	(51.7-65.7)	22.6	(15.4-29.8)	16	(14-18)	17	(16-18)	62.3	(56.2-68.3)
White	69.2	(61.5-76.8)	18.2	(14.2-22.1)	15	(13-16)	18	(17-19)	58.0	(49.6-66.3)
Asian	28.0	(20.4-35.6)	4.9	(2.9-7.0)	14 [†]	(10-18)	19	(16-21)	46.9	(31.2-62.6)
Pacific Islander [†]	56.9	(42.6-71.3)	18.3*	(6.9-29.8)	n/a		n/a		n/a	
Multi	59.9	(50.7-69.2)	23.9	(17.9-29.9)	21	(18-23)	17	(16-18)	70.7	(61.6-79.8)
Native American [†]	57.0	(37.9-76.1)	21.2*	(4.3-38.1)	n/a		n/a		n/a	
Other	60.7	(49.7-71.7)	22.3	(11.3-33.3)	19 [†]	(12-27)	16 [†]	(14-17)	71.7 [†]	(61.5-81.9)
Nativity										
US Born	60.0	(53.9-66.1)	18.0	(15.3-20.7)	15	(13-16)	17	(16-18)	63.4	(57.3-69.5)
Foreign Born	22.4	(17.9-26.9)	4.5	(2.6-6.4)	12	(8-16)	19	(18-21)	46.6	(37.7-55.5)
Sexual Orientation										
Heterosexual	48.3	(41.1-55.5)	13.2	(10.3-16.1)	14	(13-15)	17	(17-18)	61.7	(55.8-67.5)
LGBQ	69.0	(62.4-75.5)	26.0	(22.5-29.5)	14	(11-16)	18	(16-19)	55.6	(46.7-64.5)

Notes: “Days of Use in the Past 30 Days” was asked only to those who have used marijuana during the past 30 days (current users).

“Age of Initiation” and “Initiation Before Age 18” were asked only to those who have used marijuana at least once.

† The estimate is statistically unstable (sample size ≤ 70). Interpret with caution.

‡ The mean and CI were calculated for age category 18+

Appendix B: Prevalence and Use Behavior (Cont.)

Area	Lifetime Marijuana Use (%Yes)		Current Marijuana Use (%Yes)		Days of Use in the Past 30 Days (Mean)		Age of Initiation (Mean)		Initiation Before Age 18 (%Yes)	
	%	95% C.I.	%	95% C.I.	Mean	95% C.I.	mean	95% C.I.	%	95% C.I.
LAC	48.1	(41.1-55.1)	13.8	(11.3-16.3)	14	(13-15)	17	(17-18)	61.0	(55.4-66.6)
SPA 1	53.9	(33.4-74.4)	16.9	(4.5-29.2)	16	(13-20)	16	(16-17)	71.1	(61.3-80.8)
SPA 2	39.9	(32.5-47.3)	10.5	(7.8-13.2)	16	(12-21)	17	(16-18)	60.7	(51.8-69.7)
SPA 3	54.3	(35.1-73.5)	14.1	(5.3-23.0)	14	(12-15)	17	(16-19)	63.3	(52.5-74.1)
SPA 4	50.1	(32.6-67.7)	15.5	(11.4-19.6)	15	(13-18)	18	(16-20)	50.6	(35.2-65.9)
SPA 5	70.5	(65.5-75.6)	15.4	(10.5-20.2)	12	(9-16)	19	(17-21)	52.2	(38.7-65.6)
SPA 6	46.9	(38.2-55.6)	17.2	(10.4-24.0)	14	(11-18)	17	(16-18)	64.2	(56.7-71.6)
SPA 7	40.7	(30.7-50.7)	9.8	(7.2-12.5)	15	(10-19)	17	(16-18)	63.1	(54.6-71.6)
SPA 8	41.0	(26.2-55.8)	12.7	(8.3-17.0)	15	(12-18)	17	(16-18)	63.8	(57.1-70.5)
SD 1	44.4	(35.1-53.6)	11.4	(7.9-15.0)	15	(11-18)	17	(16-18)	62.2	(52.8-71.5)
SD 2	48.9	(41.0-56.9)	16.2	(11.2-21.1)	15	(13-17)	17	(16-18)	58.6	(50.7-66.4)
SD 3	53.8	(35.4-72.1)	15.1	(10.8-19.5)	14	(12-16)	19	(18-20)	48.3	(36.5-60.0)
SD 4	39.5	(25.5-53.4)	10.5	(6.9-14.1)	15	(12-18)	17	(16-18)	65.3	(55.7-74.9)
SD 5	53.6	(40.4-66.7)	14.4	(7.6-21.3)	15	(13-17)	17	(16-18)	67.0	(59.2-74.8)

Notes: "Days of Use in the Past 30 Days" was asked only to those who have used marijuana during the past 30 days (current users).
 "Age of Initiation" and "Initiation Before Age 18" were asked only to those who have used marijuana at least once.

Appendix C: Easy Access

How Easy Is It for You to Get Marijuana (%Very Easy/Somewhat Easy)?

Category	%	95% C.I.
LAC	81.2	(78.5-83.8)
Gender		
Male	83.4	(80.7-86.1)
Female	78.1	(74.5-81.7)
Age		
12-17	82.7	(78.1-87.2)
18-20	88.3	(83.4-93.1)
21-29	87.6	(85.0-90.2)
30-39	84.6	(81.8-87.4)
40+	75.5	(69.9-81.0)
Race/Ethnicity		
Latino	85.1	(82.1-88.0)
Black	82.7	(77.4-87.9)
White	78.3	(72.5-84.1)
Asian	73.9	(64.5-83.4)
Multi	87.7	(82.1-93.3)
Other	79.6	(65.8-93.3)
Nativity		
US Born	81.3	(78.2-84.4)
Foreign Born	81.2	(74.6-87.7)
Sexual Orientation		
Heterosexual	80.6	(78.0-83.3)
LGBQ	86.4	(81.1-91.7)

Area	%	95% C.I.
LAC	81.2	(78.5-83.8)
SPA 1	84.9	(72.7-97.1)
SPA 2	81.1	(74.6-87.5)
SPA 3	82.9	(79.1-86.7)
SPA 4	86.4	(81.1-91.8)
SPA 5	79.5	(75.7-83.3)
SPA 6	79.5	(71.6-87.4)
SPA 7	78.1	(72.2-84.0)
SPA 8	86.5	(76.6-96.4)
SD 1	82.9	(77.3-88.6)
SD 2	81.9	(76.1-87.7)
SD 3	82.3	(80.5-84.0)
SD 4	81.6	(75.1-88.0)
SD 5	83.5	(77.3-89.7)

Note: Only those who have used marijuana at least once in their lifetimes were asked this question.

Appendix D: Reasons for Use

For What Reason(s) Have You Used Marijuana?

Category	For Fun		To Relax		To Get High		To Help Sleep		To Deal with Anxiety/Stress		To Treat Chronic Pain		To Fit In	
	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	63.6	(60.9-66.3)	52.4	(48.5-56.2)	32.7	(29.0-36.5)	27.3	(23.3-31.3)	25.8	(23.3-28.3)	18.4	(15.2-21.6)	16.0	(13.6-18.3)
Gender														
Male	64.6	(61.4-67.8)	54.2	(49.0-59.4)	36.0	(31.3-40.7)	28.9	(23.3-34.4)	25.7	(22.6-28.8)	19.0	(15.1-22.9)	16.6	(13.2-20.1)
Female	62.2	(58.2-66.2)	49.9	(45.3-54.4)	28.3	(24.3-32.2)	25.1	(22.2-28.1)	25.9	(22.3-29.6)	17.6	(14.1-21.0)	15.1	(12.5-17.6)
Age														
12-17	59.9	(54.1-65.6)	58.1	(51.8-64.4)	40.7	(36.4-45.0)	25.4	(20.9-30.0)	28.8	(24.2-33.3)	7.8	(6.1-9.6)	14.9	(11.8-18.0)
18-20	65.5	(55.8-75.3)	62.4	(55.6-69.2)	42.8	(33.7-51.8)	32.6	(26.2-38.9)	33.1	(26.6-39.7)	14.6	(9.4-19.8)	11.0	(7.3-14.7)
21-29	65.7	(61.5-69.9)	63.2	(60.0-66.5)	36.9	(32.9-40.9)	38.2	(32.3-44.0)	38.8	(34.5-43.1)	20.4	(16.2-24.7)	15.6	(12.7-18.5)
30-39	63.4	(56.6-70.2)	62.6	(55.5-69.8)	29.1	(23.8-34.3)	33.9	(26.6-41.2)	29.6	(24.3-34.9)	22.1	(18.0-26.1)	16.4	(11.7-21.1)
40+	62.9	(58.1-67.7)	40.5	(35.2-45.7)	29.7	(24.0-35.3)	18.6	(14.1-23.0)	16.2	(12.8-19.6)	17.8	(13.2-22.5)	16.8	(12.2-21.4)
Race/Ethnicity														
Latino	62.1	(58.0-66.2)	54.7	(50.3-59.1)	31.6	(27.0-36.2)	29.6	(25.0-34.3)	27.7	(24.4-31.0)	18.8	(15.5-22.1)	12.1	(10.0-14.3)
Black	59.0	(53.8-64.3)	53.7	(48.9-58.4)	32.4	(28.1-36.6)	23.6	(19.7-27.4)	24.5	(20.6-28.4)	22.6	(17.5-27.7)	12.0	(7.9-16.1)
White	66.3	(62.2-70.5)	49.7	(43.9-55.5)	35.5	(28.8-42.2)	25.5	(19.4-31.6)	24.7	(20.5-28.9)	18.4	(13.9-23.0)	19.6	(15.0-24.3)
Asian	64.6	(55.1-74.1)	51.4	(41.6-61.2)	22.5	(15.0-30.0)	23.5	(13.6-33.4)	17.9	(11.0-24.8)	6.2*	(2.4-10.1)	21.2	(12.0-30.5)
Multi	58.6	(49.7-67.4)	61.7	(53.5-70.0)	39.8	(35.0-44.6)	46.6	(38.8-54.3)	46.2	(37.3-55.1)	35.2	(28.3-42.1)	10.0	(6.1-13.9)
Other	59.6	(47.9-71.2)	67.2	(55.5-78.8)	42.8	(29.0-56.7)	34.0	(20.7-47.4)	30.7	(19.6-41.7)	24.7	(13.5-36.0)	8.7*	(0.8-16.7)
Nativity														
US Born	63.6	(60.8-66.3)	54.0	(50.0-58.0)	33.9	(29.9-38.0)	28.2	(23.9-32.5)	26.9	(24.0-29.7)	19.4	(16.1-22.7)	15.5	(13.1-18.0)
Foreign Born	63.5	(57.5-69.5)	42.8	(33.5-52.1)	25.9	(20.3-31.5)	21.4	(15.8-27.1)	19.2	(12.0-26.3)	11.6	(6.3-16.9)	20.0	(13.5-26.4)
Sexual Orientation														
Heterosexual	64.3	(61.8-66.9)	51.8	(47.5-56.1)	33.5	(29.7-37.2)	26.8	(22.1-31.4)	24.8	(21.9-27.7)	16.9	(13.3-20.6)	15.9	(13.1-18.7)
LGBQ	61.1	(52.5-69.7)	58.6	(50.2-67.1)	31.4	(24.9-38.0)	29.8	(24.5-35.1)	34.4	(29.3-39.5)	25.4	(20.3-30.6)	16.3	(12.4-20.1)

Notes: Only those who have used marijuana at least once in their lifetimes were asked this question.

Respondents selected all choices that applied.

* The estimate is statistically unstable (RSE >30%). Interpret with caution.

Appendix D: Reasons for Use (Cont.)

For What Reason(s) Have You Used Marijuana?

Category	To Deal with Depression		To Replace Prescription Medications		To Enhance Feeling of Other Drugs		Other (E.g., Try It, Appetite)		To Avoid Withdrawal	
	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	14.7	(12.8-16.6)	7.4	(6.1-8.7)	7.1	(5.5-8.7)	6.8	(5.1-8.4)	3.4	(2.4-4.3)
Gender										
Male	16.3	(14.1-18.5)	7.0	(4.9-9.1)	7.9	(6.1-9.8)	5.8	(3.9-7.6)	3.5	(2.3-4.7)
Female	12.5	(9.5-15.6)	7.8	(6.2-9.5)	6.0	(3.1-8.8)	8.1	(6.2-10.0)	3.2	(1.5-4.8)
Age										
12-17	20.2	(15.6-24.8)	2.4	(1.4-3.3)	6.5	(3.4-9.5)	4.7	(2.6-6.7)	2.4	(1.1-3.7)
18-20	18.4	(12.5-24.3)	6.3*	(2.0-10.6)	4.7	(1.5-7.8)	7.7	(3.0-12.4)	1.7*	(0.0-3.3)
21-29	23.4	(19.9-26.8)	10.2	(7.0-13.4)	9.3	(6.6-11.9)	5.0	(3.1-6.8)	3.9	(2.2-5.7)
30-39	13.6	(9.9-17.3)	10.8	(7.5-14.0)	8.1	(3.9-12.2)	5.9	(3.9-8.0)	5.6	(3.0-8.1)
40+	9.5	(6.6-12.4)	5.4	(3.7-7.0)	6.0	(4.1-8.0)	8.2	(5.2-11.2)	2.5	(1.0-4.0)
Race/Ethnicity										
Latino	16.7	(13.9-19.5)	7.1	(5.2-9.0)	6.0	(4.0-8.0)	5.6	(3.4-7.7)	3.4	(2.3-4.5)
Black	15.1	(10.3-20.0)	5.6	(3.1-8.0)	5.5	(3.1-7.9)	4.4	(2.7-6.1)	2.4	(1.5-3.2)
White	12.5	(9.0-16.0)	8.2	(5.8-10.6)	9.2	(6.2-12.2)	8.3	(4.9-11.6)	3.9	(2.0-5.9)
Asian	10.7	(4.9-16.6)	3.1*	(0.0-6.2)	3.6	(1.6-5.7)	6.0*	(0.1-11.9)	1.5*	(0.0-3.4)
Multi	31.6	(21.9-41.3)	16.6	(10.5-22.7)	5.8	(2.7-9.0)	9.7	(4.5-14.9)	3.4*	(1.1-5.7)
Other	15.2*	(5.1-25.3)	13.3	(6.0-20.7)	9.9	(3.9-15.8)	13.5*	(2.7-24.2)	1.0*	(0.0-3.0)
Nativity										
US Born	14.9	(12.8-17.0)	7.8	(6.2-9.3)	7.5	(5.9-9.2)	7.0	(5.0-9.0)	3.7	(2.7-4.6)
Foreign Born	12.4	(7.8-17.0)	4.8	(2.3-7.3)	3.8*	(1.4-6.2)	6.0	(2.4-9.6)	1.4*	(0.0-2.9)
Sexual Orientation										
Heterosexual	13.8	(11.7-15.8)	6.9	(5.2-8.6)	7.1	(5.5-8.8)	6.9	(5.0-8.8)	3.1	(2.0-4.1)
LGBQ	21.2	(16.4-26.0)	9.1	(6.7-11.6)	7.6*	(2.6-12.6)	6.9	(3.8-10.0)	5.7	(2.3-9.0)

Notes: Only those who have used marijuana at least once in their lifetimes were asked this question.

Respondents selected all choices that applied.

* The estimate is statistically unstable (RSE >30%). Interpret with caution.

Appendix E: Setting of Use

When You Use, Do You Typically Use Alone, with Friends, or With Family Members?

Category	Use with Friends		Use Alone		Use with Family Members		More Than One Choice	
	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	65.6	(61.9-69.3)	24.5	(21.0-28.0)	8.3	(6.6-10.1)	1.6	(0.8-2.4)
Gender								
Male	64.3	(59.9-68.6)	27.9	(23.4-32.4)	6.1	(4.2-8.0)	1.8*	(0.6-2.9)
Female	67.5	(62.5-72.5)	19.7	(15.5-23.9)	11.5	(8.6-14.4)	1.4*	(0.5-2.2)
Age								
12-17	73.8	(68.5-79.1)	17.3	(13.1-21.6)	7.6	(5.2-10)	1.2*	(0.1-2.3)
18-20	82.6	(77.4-87.8)	13.4	(7.9-18.9)	2.4*	(0.5-4.4)	1.6*	(0.0-3.5)
21-29	70.8	(66.2-75.5)	20.9	(16.6-25.1)	6.9	(4.7-9.1)	1.4*	(0.0-2.9)
30-39	64.0	(58.0-70.0)	26.6	(20.6-32.5)	6.7	(3.4-10.1)	2.7*	(0.5-4.9)
40+	57.5	(51.6-63.5)	29.7	(23.3-36.1)	11.5	(7.7-15.3)	1.2	(0.1-2.4)
Race/Ethnicity								
Latino	69.4	(65.7-73.2)	22.4	(18.5-26.2)	7.5	(5.6-9.4)	0.7*	(0.2-1.3)
Black	53.2	(48.0-58.4)	36.4	(28.8-44.0)	8.4	(5.0-11.7)	2.0*	(0.0-4.2)
White	63.6	(56.8-70.5)	23.7	(17.4-30.0)	10.3	(6.9-13.7)	2.4*	(0.9-3.9)
Asian	71.8	(60.9-82.8)	23.6	(13.0-34.2)	3.6*	(0.0-8.3.0)	1.0*	(0.0-3.0)
Multi	59.0	(51.7-66.3)	26.6	(17.6-35.7)	10.6*	(3.6-17.7)	3.8*	(0.0-8.5)
Other [†]	63.0	(48.7-77.3)	14.0*	(4.2-23.8)	17.8*	(4.5-31.0)	5.2*	(0.0-13.4)
Nativity								
US Born	64.3	(60.2-68.4)	25.0	(20.7-29.3)	9.0	(6.9-11.2)	1.6	(0.7-2.5)
Foreign Born	71.8	(64.0-79.6)	22.3	(14.8-29.9)	4.3*	(1.5-7.0)	1.6*	(0.0-3.8)
Sexual Orientation								
Heterosexual	66.2	(62.2-70.1)	24.2	(20.3-28.1)	8.0	(6.4-9.6)	1.6	(0.8-2.5)
LGBQ	61.9	(55.4-68.4)	26.5	(19.8-33.3)	11.0	(6.0-16.0)	0.6*	(0.0-1.2)

Notes: Only those who have used marijuana at least once in their lifetimes were asked this question.

* The estimate is statistically unstable (RSE >30%);

† The estimate is statistically unstable (sample size ≤ 70); Interpret with caution.

Appendix F: Route of Administration

How Have You Used Marijuana?

Category	Smoke		Edible		Vape (vaporize)		Beverage		Topical		Capsules		Tinctures/ Sublinguals		Other	
	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	95.4	(94.1-96.7)	54.6	(51.8-57.5)	27.7	(25.1-30.2)	8.5	(7.1-9.8)	5.9	(4.9-6.9)	5.3	(3.9-6.7)	5.2	(3.6-6.8)	2.2	(1.5-2.9)
Gender																
Male	95.0	(92.8-97.2)	54.6	(50.9-58.2)	28.5	(24.8-32.2)	10.2	(8.6-11.9)	6.8	(5.6-7.9)	6.8	(5.0-8.5)	6.0	(4.3-7.6)	2.1	(1.2-3.1)
Female	96.0	(95.1-96.9)	54.7	(51.0-58.4)	26.6	(24.2-29.0)	6.1	(4.5-7.7)	4.7	(3.4-6.0)	3.2	(1.8-4.6)	4.1	(2.0-6.3)	2.2	(1.4-3.0)
Age																
12-17	89.0	(84.8-93.3)	61.6	(55.7-67.5)	36.7	(31.7-41.6)	11.4	(8.4-14.4)	4.9	(3.2-6.6)	8.2	(3.8-12.5)	5.1	(3.2-7.0)	3.4	(1.7-5.0)
18-20	95.4	(92.4-98.4)	72.9	(65.5-80.3)	43.0	(34.4-51.6)	14.7	(9.7-19.7)	6.2	(2.6-9.8)	13.0	(6.8-19.2)	5.5*	(1.1-9.9)	2.4*	(0.8-4.1)
21-29	96.7	(95.1-98.4)	68.0	(63.1-72.9)	42.6	(36.9-48.3)	12.7	(9.7-15.6)	8.1	(6.0-10.1)	8.6	(5.7-11.4)	7.3	(4.4-10.2)	2.6	(1.5-3.8)
30-39	95.9	(93.5-98.2)	60.4	(54.1-66.7)	33.2	(26.7-39.7)	9.0	(6.7-11.2)	7.5	(4.8-10.2)	4.6	(2.2-7.1)	6.2	(3.4-9.0)	1.9*	(0.6-3.2)
40+	95.5	(93.7-97.2)	42.9	(37.2-48.7)	15.5	(11.3-19.7)	5.2	(3.0-7.3)	4.3	(3.0-5.7)	2.6	(1.1-4.2)	3.8	(2.0-5.6)	1.9*	(0.6-3.1)
Race/Ethnicity																
Latino	94.1	(91.5-96.7)	55.0	(50.1-59.9)	29.3	(25.3-33.2)	9.8	(8.2-11.4)	6.2	(4.7-7.7)	4.9	(3.4-6.5)	4.2	(2.8-5.5)	3.2	(1.8-4.5)
Black	96.3	(94.6-97.9)	39.6	(33.9-45.3)	16.5	(13.1-19.9)	5.9	(3.8-7.9)	1.9*	(0.6-3.2)	2.3	(1.0-3.5)	1.2*	(0.0-2.4)	1.2*	(0.3-2.0)
White	96.7	(95.2-98.2)	57.4	(52.2-62.6)	29.3	(25.8-32.7)	7.5	(5.1-10.0)	7.0	(5.3-8.7)	6.3	(3.6-9.0)	7.4	(4.8-10.0)	1.5	(0.7-2.3)
Asian	95.4	(90.3-100)	54.2	(46.5-61.9)	22.4	(15.7-29.1)	5.8*	(1.8-9.8)	2.4*	(0.0-5.0)	2.6*	(0.3-4.9)	2.0*	(0.0-4.6)	0.8*	(0.0-1.9)
Multi	93.4	(89.1-97.7)	62.4	(55.4-69.3)	39.1	(31.0-47.3)	23.9	(14.5-33.3)	10.2	(5.6-14.9)	12.5	(5.1-19.8)	10.7	(5.3-16.1)	6.2*	(2.0-10.4)
Other	98.9	(97.8-99.9)	61.0	(49.1-73.0)	32.8	(17.0-48.6)	10.4*	(2.6-18.1)	8.0*	(2.6-13.4)	12.0*	(4.5-19.5)	8.4*	(0.1-16.7)	9.2*	(1.0-17.5)
Nativity																
US Born	96.2	(95.0-97.4)	56.2	(53.9-58.5)	28.7	(26.3-31.1)	9.0	(7.4-10.5)	6.0	(4.9-7.0)	5.6	(4.1-7.2)	5.7	(3.9-7.4)	2.0	(1.4-2.7)
Foreign Born	91.9	(88.5-95.3)	47.1	(38.3-55.9)	22.3	(16.1-28.6)	5.7	(2.8-8.7)	5.8	(2.6-9.0)	3.0*	(1.0-5.0)	2.6*	(0.8-4.4)	2.6*	(0.9-4.4)
Sexual Orientation																
Heterosexual	95.8	(94.6-97.0)	53.2	(50.5-56.0)	26.5	(23.8-29.3)	7.9	(6.3-9.4)	5.2	(4.3-6.2)	5.2	(3.8-6.6)	4.1	(2.5-5.7)	2.0	(1.3-2.7)
LGBQ	94.8	(92.5-97.1)	67.5	(61.4-73.6)	37.0	(31.3-42.7)	13.0	(10.1-16.0)	9.9	(6.7-13.2)	6.6	(3.4-9.8)	12.4	(7.8-17)	2.8	(1.3-4.3)

Notes: Only those who have used marijuana at least once in their lifetimes were asked this question.

Respondents selected all choices that applied.

* The estimate is statistically unstable (RSE >30%). Interpret with caution.

Appendix G: Source of Marijuana

Where Did You Get Marijuana the Last Time You Used It?

Category	Friend		Dispensary		Family Member/Relative		Dealer		Home/Grew It Myself		Delivery Service	
	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	57.8	(53.6-62.0)	21.0	(18.3-23.6)	11.1	(9.3-12.8)	5.6	(4.3-6.9)	3.2	(2.2-4.3)	1.9	(1.2-2.7)
Gender												
Male	56.9	(52.0-61.7)	22.5	(19.3-25.6)	8.1	(6.2-10.0)	6.7	(4.9-8.6)	4.3	(2.9-5.7)	2.5	(1.5-3.5)
Female	59.1	(53.4-64.8)	18.9	(15.8-22.1)	15.2	(12.1-18.3)	4.1	(3.2-5.0)	1.7	(0.7-2.7)	1.1*	(0.4-1.9)
Age												
12-17	56.3	(49.7-63.0)	9.8	(6.2-13.3)	10.6	(7.2-13.9)	12.2	(9.0-15.4)	4.2	(1.7-6.6)	1.4	(0.7-2.1)
18-20	58.7	(50.1-67.3)	19.5	(12.0-27.1)	6.8*	(2.0-11.6)	10.3	(4.9-15.7)	3.1*	(0.0-7.2)	3.3*	(0.0-6.6)
21-29	50.4	(45.9-54.9)	29.5	(25.8-33.1)	10.2	(7.6-12.9)	4.4	(2.5-6.4)	3.4	(1.7-5.0)	3.2*	(1.0-5.4)
30-39	55.2	(49.1-61.4)	25.3	(19.6-31.0)	14.1	(11.7-16.5)	3.1*	(1.0-5.3)	2.4	(1.0-3.8)	2.6*	(0.7-4.6)
40+	62.8	(57.7-67.8)	16.4	(12.0-20.8)	10.8	(7.9-13.7)	5.9	(3.1-8.7)	3.4	(1.5-5.3)	0.9*	(0.2-1.5)
Race/Ethnicity												
Latino	55.7	(51.5-59.9)	20.5	(17.2-23.7)	11.3	(8.6-13.9)	6.9	(4.4-9.5)	3.5	(2.0-5.0)	2.1	(1.0-3.3)
Black	39.2	(32.8-45.5)	32.9	(25.3-40.4)	13.7	(8.1-19.4)	9.1	(6.4-11.8)	3.3*	(1.0-5.6)	0.9*	(0.2-1.7)
White	61.9	(55.7-68.0)	20.2	(16.7-23.7)	10.8	(7.6-14.0)	4.2	(1.9-6.5)	3.3	(1.4-5.2)	2.1	(0.8-3.4)
Asian	73.6	(65.6-81.6)	8.8	(3.5-14.2)	8.9*	(3.3-14.4)	3.9*	(0.2-7.5)	0.8*	(0.0-2.4)	1.7*	(0.4-3.0)
Multi	36.6	(29.3-44.0)	37.4	(28.2-46.5)	12.4	(5.4-19.5)	4.5*	(0.7-8.4)	4.6*	(1.2-8.0)	0.2*	(0.0-0.6)
Other [†]	41.1	(23.3-58.8)	34.7	(15.4-54.1)	13.5*	(0.0-29.5)	0.7*	(0.0-1.5)	2.9*	(0.0-8.0)	0.5*	(0.0-1.2)
Nativity												
US Born	55.9	(51.2-60.6)	22.0	(19.4-24.6)	11.8	(9.8-13.9)	6.0	(4.5-7.6)	3.3	(2.2-4.5)	2.0	(1.3-2.7)
Foreign Born	71.0	(64.9-77.1)	12.2	(5.7-18.7)	7.7	(4.9-10.6)	3.5	(1.4-5.6)	2.1*	(0.1-4.0)	1.0*	(0.0-2.2)
Sexual Orientation												
Heterosexual	58.6	(54.2-62.9)	19.8	(17.1-22.5)	11.9	(9.9-13.8)	5.5	(4.1-6.9)	3.1	(2.1-4.2)	1.8	(1.0-2.5)
LGBQ	53.8	(45.3-62.2)	26.5	(19.6-33.4)	7.6	(4.5-10.6)	7.1	(4.2-10.0)	4.0*	(1.1-6.8)	3.2*	(1.1-5.4)

Notes: Only those who have used marijuana at least once in their lifetimes were asked this question.

* The estimate is statistically unstable (RSE >30%);

† The estimate is statistically unstable (sample size ≤ 70); Interpret with caution.

Appendix G: Source of Marijuana (Cont.)

Where Did You Get Marijuana the Last Time You Used It?

Category	Coworkers		Stole from Family Members/Friends		Other*		Internet*	
	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	1.3	(0.8-1.8)	0.7	(0.3-1.1)	0.5	(0.1-0.9)	0.2	(0.0-0.3)
Gender								
Male	1.7	(0.8-2.5)	0.8*	(0.2-1.5)	0.4	(0.0-0.9)	0.2	(0.0-0.5)
Female	0.8*	(0.3-1.3)	0.5*	(0.0-1.0)	0.7	(0.1-1.2)	0.1	(0.0-0.2)
Age								
12-17	4.3	(2.5-6.2)	1.8*	(0.2-3.5)	1.3	(0.1-2.5)	0.5	(0.0-1.1)
18-20	2.0*	(0.0-4.4)	0.1*	(0.0-0.4)	1.3	(0.1-2.5)	1.9	(0.0-4.6)
21-29	2.1*	(0.7-3.4)	0.3*	(0.0-0.8)	0.4	(0.0-0.8)	0.0	
30-39	0.0		1.0*	(0.0-2.0)	0.1	(0.0-0.3)	0.1	(0.0-0.4)
40+	0.9*	(0.0-2.0)	0.7*	(0.1-1.3)	0.6	(0.0-1.4)	0.0	
Race/Ethnicity								
Latino	1.3*	(0.3-2.4)	1.0*	(0.1-1.9)	0.3	(0.1-0.6)	0.2	(0.0-0.4)
Black	0.8*	(0.0-1.8)	0.7*	(0.0-1.5)	1.3	(0.2-2.3)	0.0	
White	0.7*	(0.1-1.4)	0.4*	(0.0-0.7)	0.6	(0.0-1.3)	0.2	(0.0-0.5)
Asian	3.3*	(0.0-6.9)	0.9*	(0.0-2.4)	0.3	(0.0-0.8)	0.1	(0.0-0.2)
Multi	3.4*	(0.1-6.7)	0.5*	(0.0-1.2)	0.3	(0.0-0.9)	0.6	(0.0-1.3)
Other [†]	0.2*	(0.0-0.7)	0.0		3.7	(0.0-8.8)	2.9	(0.0-8.7)
Nativity								
US Born	0.9	(0.5-1.3)	0.5*	(0.2-0.8)	0.6	(0.1-1.1)	0.2	(0.0-0.4)
Foreign Born	3.3*	(0.3-6.4)	1.8*	(0.0-3.9)	0.3	(0.0-0.8)	0.0	
Sexual Orientation								
Heterosexual	1.1	(0.5-1.8)	0.4*	(0.0-0.7)	0.5	(0.0-0.9)	0.2	(0.0-0.4)
LGBQ	1.6*	(0.5-2.7)	2.0*	(0.3-3.8)	0.9	(0.0-2.3)	0.0	

Notes: Only those who have used marijuana at least once in their lifetimes were asked this question.

"Other" included "everywhere", "people", "stranger", "prison", etc.

* The estimate is statistically unstable (RSE >30%);

† The estimate is statistically unstable (sample size ≤ 70); Interpret with caution.

Appendix H: Place of Last Marijuana Use

Please Indicate the Last Place You Used Marijuana

Category	Home		Friend's Home		Public Place: In/Outdoors		At A Party/Kick-Back		Other		Work/School	
	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	43.0	(38.4-47.5)	27.8	(24.0-31.5)	12.7	(10.7-14.7)	9.5	(7.5-11.4)	3.8	(2.7-5.0)	3.2	(2.4-4.0)
Gender												
Male	44.2	(38.3-50.1)	27.4	(24.1-30.7)	13.5	(11.1-15.8)	8.7	(5.9-11.5)	3.6	(2.0-5.3)	2.6	(1.7-3.5)
Female	41.3	(36.3-46.2)	28.3	(22.0-34.6)	11.7	(9.0-14.5)	10.5	(8.6-12.4)	4.1	(3.1-5.1)	4.1	(2.9-5.3)
Age												
12-17	18.5	(13.6-23.5)	24.5	(18.5-30.4)	18.5	(14.6-22.3)	14.6	(11.1-18.1)	6.6	(4.7-8.4)	17.4	(13.1-21.6)
18-20	19.8	(14.6-25.1)	31.0	(22.7-39.4)	25.2	(16.9-33.4)	17.1	(11.7-22.6)	4.8	(1.9-7.6)	2.1*	(0.2-3.9)
21-29	45.2	(39.9-50.5)	29.9	(25.4-34.4)	12.3	(9.5-15.2)	7.2	(3.8-10.6)	2.9	(1.5-4.3)	2.5	(1.1-3.9)
30-39	50.4	(43.3-57.4)	26.2	(19.7-32.8)	11.3	(8.4-14.3)	6.4	(3.5-9.3)	3.8	(2.2-5.5)	1.8*	(0.3-3.3)
40+	44.5	(39.2-49.9)	27.4	(21.6-33.2)	11.3	(8.6-14.0)	10.4	(7.3-13.5)	3.9	(2.2-5.6)	2.5	(1.3-3.8)
Race/Ethnicity												
Latino	36.9	(31.6-42.2)	25.8	(22.7-28.8)	17.8	(14.6-20.9)	10.3	(7.9-12.8)	5.2	(3.4-7.0)	4.0	(2.8-5.3)
Black	55.8	(50.2-61.3)	12.2	(9.8-14.7)	14.0	(8.9-19.1)	10.7	(6.5-14.8)	5.1	(2.9-7.2)	2.2	(1.0-3.5)
White	47.3	(42.0-52.7)	29.6	(22.6-36.7)	8.3	(5.9-10.8)	8.4	(6.0-10.8)	3.3	(1.5-5.0)	3.1	(1.9-4.2)
Asian	30.8	(24.1-37.5)	44.4	(36.6-52.2)	11.7	(6.8-16.7)	11.0	(4.5-17.5)	0.6*	(0.0-1.2)	1.4*	(0.0-3.9)
Multi	49.6	(39.4-59.8)	22.5	(13.8-31.2)	14.0	(7.6-20.5)	6.0*	(2.0-9.9)	2.4*	(0.7-4.1)	5.5*	(1.7-9.3)
Other [†]	38.9	(26.5-51.3)	17.9	(7.3-28.5)	22.9	(11.4-34.5)	7.2*	(0.0-14.5)	8.3*	(0.0-17.0)	4.8*	(0.0-10.4)
Nativity												
US Born	44.0	(39.3-48.7)	27.7	(23.7-31.8)	11.7	(9.7-13.6)	9.5	(7.5-11.5)	4.0	(2.8-5.2)	3.1	(2.2-4.0)
Foreign Born	36.9	(29.1-44.7)	28.1	(22.7-33.4)	18.1	(13.1-23.2)	9.7	(5.7-13.7)	3.2*	(0.8-5.7)	4.0	(1.7-6.3)
Sexual Orientation												
Heterosexual	42.6	(37.2-47.9)	27.3	(24.0-30.6)	12.7	(10.7-14.7)	10.3	(8.1-12.6)	4.0	(2.6-5.3)	3.1	(2.1-4.1)
LGBQ	44.6	(36.4-52.9)	32.4	(23.6-41.2)	10.8	(6.9-14.6)	5.2*	(1.9-8.5)	3.8*	(0.9-6.6)	3.3*	(1.2-5.3)

Notes: Only those who have used marijuana at least once in their lifetimes were asked this question.

Public Place included indoor and outdoor public places such as “bars”, “clubs”, “parks”, “mountains”, “hiking trails”, “beache”, and “around the neighborhood”.

“Other” included car/parking lot, “everywhere”, etc.

* The estimate is statistically unstable (RSE >30%);

† The estimate is statistically unstable (sample size ≤ 70); Interpret with caution.

Appendix I: Harms of Use

In What Ways Did Your Marijuana Use Cause Harm?

Category	No Harms		Drove Under the Influence		Affected Personal Motivation to Succeed		Illegal activities		Work/School Performance		Family Trouble	
	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	59.4	(56.7-62.2)	16.4	(14.2-18.6)	12.5	(10.3-14.8)	11.6	(9.6-13.6)	10.6	(8.9-12.4)	9.1	(7.6-10.7)
Gender												
Male	58.0	(54.4-61.6)	19.0	(15.6-22.4)	12.6	(10.0-15.3)	13.3	(10.6-16.0)	11.7	(9.6-13.8)	10.2	(8.1-12.3)
Female	61.5	(57.3-65.7)	12.9	(10.1-15.6)	12.4	(9.1-15.6)	9.2	(6.8-11.7)	9.1	(6.9-11.3)	7.7	(5.8-9.6)
Age												
12-17	53.3	(46.0-60.6)	10.1	(7.5-12.8)	9.2	(7.3-11.1)	14.7	(11.0-18.4)	13.6	(9.2-17.9)	15.0	(11.6-18.4)
18-20	68.5	(60.5-76.5)	9.8	(5.6-14.0)	8.1	(3.7-12.4)	7.9	(4.2-11.7)	9.5	(4.7-14.3)	7.4	(4.0-10.9)
21-29	58.1	(53.5-62.6)	17.5	(13.8-21.2)	12.7	(8.9-16.6)	11.9	(9.3-14.5)	11.2	(7.9-14.5)	8.9	(6.8-10.9)
30-39	64.6	(60.0-69.3)	17.3	(14.1-20.5)	11.5	(7.8-15.3)	12.7	(9.0-16.3)	13.8	(11.3-16.3)	11.1	(7.5-14.6)
40+	57.6	(52.5-62.8)	17.4	(13.7-21.0)	13.9	(9.6-18.3)	11.0	(7.3-14.8)	8.7	(6.0-11.3)	7.8	(5.3-10.4)
Race/Ethnicity												
Latino	60.9	(56.3-65.6)	15.8	(13.0-18.5)	10.1	(7.8-12.5)	11.6	(8.9-14.4)	11.1	(8.7-13.4)	9.4	(6.6-12.2)
Black	61.4	(56.6-66.3)	20.4	(17.1-23.7)	8.4	(5.5-11.3)	10.5	(6.4-14.7)	7.7	(5.2-10.2)	8.3	(4.3-12.4)
White	58.2	(53.2-63.2)	16.1	(11.8-20.5)	15.7	(11.1-20.3)	12.8	(9.2-16.3)	10.6	(7.5-13.8)	9.2	(6.0-12.3)
Asian	56.8	(45.7-68.0)	17.1	(9.1-25.0)	11.7	(6.8-16.6)	7.2	(3.4-10.9)	10.9*	(3.6-18.3)	9.5	(3.9-15.1)
Multi	63.1	(55.4-70.7)	14.6	(9.1-20.1)	10.6	(6.5-14.7)	10.1	(4.4-15.8)	11.9	(6.9-16.8)	5.2*	(1.7-8.7)
Other	49.0	(33.0-64.9)	21.2	(9.2-33.2)	18.2	(8.5-28.0)	7.6*	(0.0-15.6)	17.0	(7.8-26.3)	14.2*	(2.7-25.6)
Nativity												
US Born	59.5	(56.7-62.3)	16.2	(14.0-18.5)	12.8	(10.5-15.2)	12.2	(9.8-14.5)	10.3	(8.5-12.1)	9.3	(7.6-11.0)
Foreign Born	59.3	(51.4-67.1)	18.5	(12.1-24.9)	10.5	(5.0-16.0)	8.9	(4.3-13.4)	13.4	(8.2-18.6)	8.4	(3.9-12.8)
Sexual Orientation												
Heterosexual	59.8	(56.7-62.9)	16.3	(13.8-18.8)	12.7	(10.5-15.0)	11.6	(9.6-13.5)	10.9	(8.9-12.8)	9.3	(7.8-10.7)
LGBQ	59.6	(53.5-65.8)	16.7	(11.8-21.5)	11.7	(7.1-16.2)	11.0	(6.4-15.5)	8.5	(5.1-12.0)	8.8	(4.3-13.3)

Notes: Only those who have used marijuana at least once in their lifetimes were asked this question.

Respondents selected all choices that applied.

"Illegal activities" included theft, arrest, property damage, obtaining from dealer.

* The estimate is statistically unstable (RSE >30%). Interpret with caution.

Appendix I: Harms of Use (Cont.)

In What Ways Did Your Marijuana Use Cause Harm?

Category	Health Problems		Mental Health		Work/School Trouble		Other		Overdose	
	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	8.1	(6.5-9.7)	7.1	(5.7-8.5)	5.5	(4.0-6.9)	4.5	(3.3-5.7)	1.1	(0.6-1.6)
Gender										
Male	6.3	(4.4-8.2)	6.1	(4.2-8.1)	6.3	(4.2-8.4)	3.7	(2.6-4.8)	1.2	(0.5-2.0)
Female	10.7	(8.8-12.6)	8.4	(6.9-9.9)	4.3	(3.0-5.6)	5.7	(3.4-8.0)	1.0	(0.4-1.6)
Age										
12-17	6.3	(4.2-8.4)	5.6	(4.0-7.3)	13.6	(10.0-17.1)	2.1*	(0.7-3.5)	3.2	(1.8-4.6)
18-20	7.0	(3.2-10.8)	5.5	(2.2-8.8)	4.6	(1.9-7.2)	1.6*	(0.1-3.1)	1.3*	(0.0-2.8)
21-29	9.9	(8.0-11.8)	8.4	(6.3-10.4)	3.8	(1.8-5.9)	2.2	(0.9-3.4)	0.7*	(0.0-1.5)
30-39	7.6	(4.8-10.5)	7.8	(4.1-11.5)	6.3	(3.7-9.0)	2.6	(1.3-3.9)	2.0*	(0.5-3.4)
40+	7.9	(4.4-11.3)	6.5	(4.2-8.8)	4.8	(2.3-7.3)	7.3	(5.0-9.7)	0.7*	(0.0-1.5)
Race/Ethnicity										
Latino	7.1	(5.0-9.2)	5.8	(4.2-7.5)	7.8	(4.1-11.6)	2.7	(1.5-3.8)	1.5	(0.7-2.3)
Black	6.3	(3.8-8.7)	4.2	(2.1-6.4)	4.0	(1.9-6.1)	2.3*	(0.5-4.0)	0.5*	(0.0-1.0)
White	9.1	(5.7-12.5)	7.8	(5.9-9.6)	3.8	(1.9-5.7)	5.6	(3.7-7.4)	0.6*	(0.0-1.5)
Asian	10.3	(4.6-16.0)	12.3	(6.8-17.8)	4.8*	(1.6-8.0)	9.2	(3.9-14.5)	2.6*	(0.3-4.9)
Multi	8.1	(3.3-12.9)	7.0	(3.7-10.2)	3.9*	(0.6-7.2)	7.0*	(1.2-12.7)	0.6*	(0.0-1.2)
Other	12.5*	(4.0-21.0)	8.0*	(2.1-13.8)	3.4*	(0.0-7.1)	7.9*	(0.1-15.7)	1.2*	(0.0-3.5)
Nativity										
US Born	7.8	(6.0-9.6)	7.2	(5.8-8.7)	5.2	(3.9-6.5)	4.5	(3.3-5.8)	0.9	(0.4-1.3)
Foreign Born	9.5	(5.2-13.8)	6.8	(3.5-10.2)	6.2*	(2.3-10.0)	5.1*	(1.9-8.2)	2.8*	(0.9-4.6)
Sexual Orientation										
Heterosexual	7.7	(6.1-9.3)	7.0	(5.6-8.5)	5.5	(4.1-6.9)	4.5	(3.1-5.9)	1.2	(0.6-1.7)
LGBQ	11.1	(7.5-14.7)	7.8	(4.2-11.3)	4.6	(1.8-7.4)	4.9	(1.5-8.2)	0.4*	(0.0-0.8)

Notes: Only those who have used marijuana at least once in their lifetimes were asked this question.

Respondents selected all choices that applied.

"Other" included "all of the above", "gateway drug", "overeat", etc.

* The estimate is statistically unstable (RSE >30%). Interpret with caution.

Appendix J: Gone to Work/School and DUI

Category	Ever Gone to Work/School Under the Influence (%Yes)		Ever Driven a Car While Under the Influence (%Yes)	
	%	95% C.I.	%	95% C.I.
LAC	27.2	(22.5-32.0)	39.1	(34.0-44.2)
Gender				
Male	33.6	(28.6-38.5)	46.4	(40.7-52.2)
Female	18.7	(14.2-23.1)	29.0	(23.0-35.0)
Age				
12-17	49.2	(42.2-56.3)	20.7	(15.6-25.9)
18-20	30.6	(22.3-39.0)	33.3	(21.2-45.5)
21-29	29.0	(21.7-36.2)	44.6	(36.4-52.8)
30-39	29.3	(22.9-35.7)	41.6	(35.0-48.2)
40+	22.2	(15.6-28.9)	38.6	(32.9-44.4)
Race/Ethnicity				
Latino	30.1	(27.1-33.2)	36.9	(30.4-43.3)
Black	29.7	(21.8-37.5)	44.4	(37.8-51.0)
White	25.8	(17.2-34.3)	40.8	(34.1-47.5)
Asian	15.0	(8.1-22.0)	30.3	(23.3-37.2)
Multi	37.5	(30.9-44.0)	46.9	(35.4-58.3)
Other	44.6	(29.2-60.0)	53.3	(39.8-66.7)
Nativity				
US Born	28.8	(23.7-34.0)	40.9	(35.6-46.2)
Foreign Born	17.7	(11.7-23.6)	28.1	(21.1-35.1)
Sexual Orientation				
Heterosexual	27.3	(22.4-32.2)	39.6	(33.7-45.5)
LGBQ	27.6	(19.4-35.9)	39.1	(31.5-46.8)

Area	Ever Gone to Work/School Under the Influence (%Yes)		Ever Driven A Car While Under the Influence (%Yes)	
	%	95% C.I.	%	95% C.I.
LAC	27.2	(22.5-32.0)	39.1	(34.0-44.2)
SPA 1	34.8	(26.0-43.5)	45.7	(40.7-50.7)
SPA 2	22.7	(16.9-28.6)	34.9	(24.8-45.0)
SPA 3	31.1	(24.2-38.0)	41.5	(32.6-50.4)
SPA 4	27.3	(17.6-37.0)	37.7	(29.7-45.6)
SPA 5	12.3*	(3.8-20.8)	31.6	(27.1-36.1)
SPA 6	26.4	(19.9-32.9)	37.7	(30.9-44.6)
SPA 7	26.0	(21.1-30.9)	39.7	(32.1-47.3)
SPA 8	23.7	(18.5-28.8)	41.4	(35.0-47.8)
SD 1	30.9	(25.9-35.9)	40.2	(33.0-47.5)
SD 2	26.1	(18.2-33.9)	37.9	(30.3-45.5)
SD 3	17.9	(12.5-23.2)	34.0	(27.7-40.3)
SD 4	24.3	(15.8-32.8)	41.9	(35.0-48.7)
SD 5	29.0	(22.4-35.6)	40.0	(31.9-48.1)

Notes: Only those who have used marijuana at least once in their lifetimes were asked these questions.

Adults were asked if they had gone to work, and youth were asked if they had gone to school under the influence of marijuana.

* The estimate is statistically unstable (RSE >30%). Interpret with caution.

Appendix K: Marijuana Use Among Close Friends

Do Your Close Friends Use Marijuana? (%Yes)

Category	Overall		Users		Non-Users	
	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	43.1	(38.5-47.6)	67.0	(63.4-70.6)	20.7	(18.4-23.1)
Gender						
Male	48.4	(42.5-54.4)	68.4	(63.1-73.7)	22.4	(18.7-26.1)
Female	37.9	(33.5-42.3)	65.2	(62.5-67.9)	19.6	(17.0-22.3)
Age						
12-17	35.2	(30.5-40.0)	77.1	(72.9-81.3)	21.0	(17.0-25.0)
18-20	61.0	(54.8-67.1)	82.2	(77.5-86.9)	37.0	(28.4-45.6)
21-29	64.2	(59.0-69.4)	79.4	(75.6-83.1)	35.1	(29.3-40.9)
30-39	49.9	(43.8-56.0)	73.3	(68.4-78.3)	21.5	(16.5-26.4)
40+	34.0	(27.5-40.5)	55.6	(49.0-62.1)	16.1	(12.2-20.0)
Race/Ethnicity						
Latino	39.3	(34.4-44.2)	69.3	(65.6-73.0)	20.0	(17.2-22.9)
Black	51.3	(43.9-58.6)	69.5	(63.9-75.2)	25.1	(18.9-31.3)
White	53.6	(48.2-59.1)	65.4	(60.1-70.7)	27.3	(23.6-31.1)
Asian	27.1	(18.1-36.1)	58.1	(44.9-71.3)	15.0	(8.6-21.4)
Multi	57.4	(49.3-65.5)	79.4	(72.4-86.4)	24.1	(17.6-30.7)
Other	55.3	(43.8-66.8)	70.4	(58.0-82.7)	31.6	(18.5-44.7)
Nativity						
US Born	51.3	(47.3-55.3)	68.3	(64.9-71.7)	25.8	(22.7-28.9)
Foreign Born	25.3	(20.4-30.1)	59.6	(52.2-66.9)	15.3	(11.3-19.3)
Sexual Orientation						
Heterosexual	42.6	(37.8-47.4)	65.5	(61.3-69.6)	21.3	(18.6-24.0)
LGBQ	63.3	(56.6-70.0)	78.9	(72.6-85.3)	28.3	(19.3-37.3)

Area	Overall		Users		Non-Users	
	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	43.1	(38.5-47.6)	67.0	(63.4-70.6)	20.7	(18.4-23.1)
SPA 1	48.7	(44.2-53.3)	67.6	(60.1-75.2)	26.7	(15.6-37.7)
SPA 2	37.8	(33.0-42.6)	68.7	(62.1-75.3)	17.2	(13.5-20.9)
SPA 3	46.5	(29.0-64.0)	66.8	(56.3-77.3)	22.5	(11.4-33.5)
SPA 4	44.8	(36.3-53.4)	67.6	(63.7-71.5)	22.0	(19.0-25.0)
SPA 5	58.0	(51.1-64.9)	69.3	(61.0-77.6)	31.0	(24.2-37.8)
SPA 6	47.1	(39.8-54.5)	73.7	(66.8-80.6)	23.4	(16.1-30.8)
SPA 7	34.0	(27.4-40.6)	58.5	(51.9-65.1)	17.2	(13.3-21.0)
SPA 8	37.9	(30.0-45.9)	69.4	(59.1-79.7)	16.1	(7.2-25.0)
SD 1	39.4	(33.0-45.9)	62.1	(55.3-69.0)	21.4	(17.3-25.5)
SD 2	45.9	(40.0-51.9)	72.3	(68.0-76.7)	20.5	(15.8-25.3)
SD 3	48.2	(38.8-57.6)	73.4	(68.6-78.2)	18.7	(15.3-22.1)
SD 4	33.7	(27.5-39.9)	61.2	(52.8-69.6)	15.7	(10.2-21.3)
SD 5	47.2	(34.7-59.7)	66.8	(57.2-76.4)	24.7	(16.2-33.2)

Notes: Users included those who had ever used marijuana.
Non-Users included those who had never used marijuana.

Appendix L: Marijuana Use Among Family Members

Do Any of Your Family Members Use Marijuana? (%Yes)

Category	Overall		Users		Non-Users		Area	Overall		Users		Non-Users	
	%	95% C.I.	%	95% C.I.	%	95% C.I.		%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	38.4	(33.9-42.9)	58.8	(54.8-62.8)	19.5	(16.7-22.4)	LAC	38.4	(33.9-42.9)	58.8	(54.8-62.8)	19.5	(16.7-22.4)
Gender													
Male	38.9	(34.1-43.8)	56.0	(52.0-59.9)	16.8	(13.5-20.1)	SPA 1	45.6	(37.2-53.9)	66.1	(59.1-73.0)	21.3	(10.8-31.8)
Female	37.9	(32.5-43.4)	62.7	(56.9-68.5)	21.4	(18.2-24.7)	SPA 2	33.4	(30.6-36.1)	56.1	(48.7-63.4)	18.1	(14.2-22.1)
Age							SPA 3	40.1	(25.1-55.1)	56.2	(47.1-65.3)	21.0	(10.2-31.7)
12-17	29.2	(25.8-32.5)	59.4	(54.8-64.0)	18.8	(16.3-21.3)	SPA 4	37.4	(28.9-45.9)	59.1	(52.2-65.9)	15.6	(11.3-19.9)
18-20	41.3	(34.0-48.6)	59.6	(53.0-66.2)	20.8	(15.1-26.5)	SPA 5	43.5	(37.7-49.2)	52.3	(43.9-60.6)	22.8	(9.7-35.9)
21-29	51.3	(45.8-56.7)	64.4	(59.4-69.5)	26.0	(20.5-31.4)	SPA 6	47.5	(40.8-54.1)	67.1	(59.0-75.2)	30.0	(21.9-38.2)
30-39	45.3	(40.5-50.2)	66.2	(61.1-71.3)	20.1	(16.2-23.9)	SPA 7	33.9	(28.1-39.7)	57.1	(49.4-64.7)	18.1	(14.6-21.6)
40+	33.9	(28.0-39.8)	53.1	(47.0-59.1)	18.2	(14.4-21.9)	SPA 8	34.4	(26.1-42.6)	61.7	(53.2-70.1)	15.6	(9.4-21.8)
Race/Ethnicity							SD 1	36.2	(29.4-43.0)	59.9	(51.1-68.7)	17.3	(13.7-20.9)
Latino	36.6	(32.3-41.0)	62.4	(58.6-66.2)	20.2	(17.4-23.0)	SD 2	43.0	(36.2-49.8)	62.6	(55.8-69.4)	24.1	(18.1-30.1)
Black	60.7	(54.9-66.5)	76.3	(72.1-80.4)	38.5	(30.4-46.6)	SD 3	39.2	(31.9-46.5)	58.0	(54.4-61.7)	17.3	(12.9-21.7)
White	46.1	(41.7-50.4)	55.7	(51.1-60.4)	24.5	(20.3-28.6)	SD 4	31.6	(24.1-39.2)	56.4	(50.3-62.6)	15.7	(9.9-21.5)
Asian	14.2	(7.2-21.2)	33.1	(19.5-46.7)	6.9	(2.7-11.1)	SD 5	40.4	(31.2-49.7)	55.7	(48.2-63.1)	22.8	(16.4-29.2)
Multi	54.8	(47.3-62.3)	72.9	(65.3-80.5)	28.2	(20.6-35.8)							
Other	51.2	(39.9-62.6)	67.6	(54.0-81.2)	27.0	(10.8-43.2)							
Nativity													
US Born	46.8	(42.8-50.8)	60.6	(56.6-64.6)	26.1	(22.9-29.3)							
Foreign Born	20.2	(15.8-24.5)	48.1	(39.8-56.3)	12.2	(8.6-15.9)							
Sexual Orientation													
Heterosexual	38.8	(34.0-43.6)	58.6	(54.1-63.1)	20.5	(17.2-23.7)							
LGBQ	50.3	(44.6-56.0)	63.6	(56.9-70.2)	21.0	(14.6-27.3)							

Notes: Users included those who had ever used marijuana.
 Non-Users included those who had never used marijuana.

Appendix M: Prevalence of Synthetic Marijuana Use

Category	Lifetime Synthetic Marijuana Use (%Yes)		Current Synthetic Marijuana Use (%Yes)	
	%	95% C.I.	%	95% C.I.
LAC	5.4	(4.0-6.8)	1.2	(0.7-1.8)
Gender				
Male	7.4	(5.4-9.4)	1.7	(0.9-2.5)
Female	3.5	(2.2-4.7)	0.8	(0.4-1.2)
Age				
12-17	5.9	(4.5-7.4)	2.5	(1.5-3.6)
18-20	7.0	(3.8-10.2)	1.3*	(0.1-2.5)
21-29	11.7	(7.9-15.4)	1.5	(0.6-2.3)
30-39	7.2	(4.5-9.9)	1.5*	(0.3-2.6)
40+	2.5	(1.3-3.7)	0.8*	(0.3-1.3)
Race/Ethnicity				
Latino	5.1	(3.7-6.4)	1.3	(0.7-1.8)
Black	6.3	(3.4-9.3)	2.8*	(1.0-4.7)
White	7.0	(4.4-9.5)	0.8	(0.3-1.3)
Asian	1.6*	(0.0-3.3)	0.7*	(0.0-1.8)
Multi	11.8	(7.0-16.5)	2.4*	(0.7-4.2)
Other	14.1*	(4.6-23.7)	5.3*	(0.2-10.3)
Nativity				
US Born	6.9	(5.2-8.6)	1.5	(0.8-2.1)
Foreign Born	1.6	(0.9-2.3)	0.4*	(0.1-0.7)
Sexual Orientation				
Heterosexual	5.1	(3.6-6.6)	1.0	(0.6-1.4)
LGBQ	11.1	(6.3-15.8)	4.1	(1.9-6.3)

Area	Lifetime Synthetic Marijuana Use (%Yes)		Current Synthetic Marijuana Use (%Yes)	
	%	95% C.I.	%	95% C.I.
LAC	5.4	(4.0-6.8)	1.2	(0.7-1.8)
SPA 1	7.3	(4.1-10.5)	0.5*	(0.0-1.1)
SPA 2	3.9	(2.5-5.4)	1.2*	(0.0-2.6)
SPA 3	6.5*	(2.1-10.9)	0.8*	(0.1-1.4)
SPA 4	6.6	(4.0-9.2)	1.8*	(0.5-3.1)
SPA 5	3.2*	(0.6-5.7)	0.8*	(0.0-2.2)
SPA 6	3.8	(1.5-6.0)	1.3*	(0.0-2.8)
SPA 7	3.9	(1.7-6.0)	1.1*	(0.0-2.3)
SPA 8	3.0	(1.8-4.2)	0.5*	(0.0-1.1)
SD 1	6.0	(3.6-8.4)	1.7	(0.8-2.6)
SD 2	4.5	(1.8-7.2)	1.2*	(0.2-2.3)
SD 3	4.7	(2.6-6.8)	1.2*	(0.0-2.6)
SD 4	2.8	(1.6-3.9)	0.5*	(0.0-1.0)
SD 5	5.8	(2.9-8.6)	0.5*	(0.0-1.1)

Note: * The estimate is statistically unstable (RSE >30%). Interpret with caution.

Appendix N: Perceived Easy Access

How Easy Would It Be for Someone to Get Marijuana on the Street Around Your Neighborhood (% Very/Somewhat Easy)?

Category	Overall		Users		Non-Users		Area	Overall		Users		Non-Users	
	%	95% C.I.	%	95% C.I.	%	95% C.I.		%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	61.8	(58.3-65.3)	71.4	(67.1-75.7)	52.9	(48.6-57.1)	LAC	61.8	(58.3-65.3)	71.4	(67.1-75.7)	52.9	(48.6-57.1)
Gender							SPA 1	68.5	(59.9-77.1)	80.8	(73.8-87.8)	53.8	(44.2-63.5)
Male	62.9	(58.9-67.0)	71.9	(67.8-75.9)	51.4	(46.3-56.5)	SPA 2	62.9	(58.3-67.6)	75.1	(68.1-82.0)	54.3	(47.4-61.2)
Female	60.7	(57.1-64.4)	70.8	(65.1-76.6)	53.9	(49.3-58.4)	SPA 3	60.1	(50.7-69.6)	70.0	(62.5-77.6)	48.3	(40.1-56.5)
Age							SPA 4	64.8	(59.3-70.4)	71.5	(59.4-83.5)	58.2	(52.3-64.2)
12-17	51.8	(45.8-57.8)	78.6	(73.3-84.0)	42.6	(37.2-48.1)	SPA 5	61.7	(58.6-64.8)	67.3	(62.7-71.9)	48.1	(38.3-57.9)
18-20	71.3	(67.1-75.4)	80.8	(75.4-86.3)	60.7	(54.1-67.4)	SPA 6	75.4	(69.7-81.1)	81.2	(76.9-85.5)	70.1	(62.3-77.9)
21-29	71.4	(67.7-75.2)	77.7	(73.7-81.7)	59.6	(51.9-67.2)	SPA 7	59.8	(55.3-64.2)	67.4	(59.7-75.0)	54.6	(49.8-59.4)
30-39	67.4	(62.2-72.7)	76.3	(70.1-82.5)	56.8	(49.0-64.6)	SPA 8	58.0	(53.9-62.2)	75.4	(61.6-89.2)	46.2	(42.8-49.7)
40+	58.2	(53.5-63.0)	64.5	(58.5-70.4)	53.0	(47.6-58.5)	SD 1	64.7	(60.0-69.4)	74.6	(68.1-81.0)	57.0	(51.4-62.5)
Race/Ethnicity							SD 2	70.0	(64.1-75.9)	78.8	(71.1-86.4)	62.1	(55.0-69.2)
Latino	65.8	(63.2-68.4)	77.9	(74.4-81.5)	57.9	(54.8-61.0)	SD 3	62.8	(58.0-67.5)	71.5	(63.8-79.3)	52.1	(44.2-60.0)
Black	72.9	(66.7-79.0)	80.0	(73.9-86.0)	62.6	(55.8-69.4)	SD 4	54.2	(50.2-58.3)	65.6	(55.6-75.6)	46.6	(41.2-51.9)
White	59.3	(55.3-63.4)	64.7	(58.7-70.6)	47.5	(43.2-51.8)	SD 5	61.8	(53.5-70.1)	70.6	(63.2-77.9)	51.5	(42.5-60.4)
Asian	46.6	(37.4-55.8)	61.8	(45.7-77.9)	40.7	(31.7-49.7)							
Multi	73.1	(65.9-80.4)	84.1	(77.6-90.7)	56.3	(45.2-67.3)							
Other	67.9	(57.0-78.7)	84.3	(73.8-94.7)	42.4	(28.0-56.8)							
Nativity													
US Born	64.3	(60.8-67.8)	71.4	(67.1-75.7)	53.9	(49.5-58.3)							
Foreign Born	56.9	(51.3-62.4)	73.4	(65.9-80.9)	51.9	(45.6-58.2)							
Sexual Orientation													
Heterosexual	62.2	(58.5-65.8)	71.5	(67.2-75.8)	53.3	(48.7-57.8)							
LGBQ	63.3	(56.1-70.6)	71.4	(63.8-79.0)	45.4	(35.7-55.2)							

Notes: Users included those who had ever used marijuana.
Non-Users included those who had never used marijuana.

Appendix O: Perceived Risk of Youth Harm

How Much Do You Think *Youth* Risk Harming Themselves If They Use Marijuana Regularly? (% Great Risk)

Category	Overall		Users		Non-Users	
	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	49.8	(45.6-54.0)	33.5	(30.2-36.8)	64.8	(61.2-68.3)
Gender						
Male	41.3	(35.9-46.8)	30.1	(25.7-34.4)	56.1	(50.7-61.5)
Female	57.9	(54.4-61.4)	38.3	(34.6-42.0)	70.8	(67.7-73.9)
Age						
12-17	39.0	(35.1-42.9)	16.9	(12.9-20.9)	46.7	(43.5-49.8)
18-20	30.5	(26.0-35.0)	22.7	(15.8-29.7)	39.3	(30.8-47.9)
21-29	35.5	(30.7-40.2)	26.3	(21.8-30.7)	53.1	(46.9-59.3)
30-39	48.8	(41.1-56.4)	30.3	(23.8-36.9)	71.0	(64.4-77.6)
40+	59.2	(53.2-65.3)	41.8	(35.9-47.7)	73.5	(68.9-78.1)
Race/Ethnicity						
Latino	54.3	(49.3-59.2)	34.4	(30.6-38.2)	67.0	(62.7-71.3)
Black	38.8	(33.2-44.5)	31.1	(25.2-37.0)	49.7	(42.8-56.6)
White	40.4	(34.9-46.0)	32.3	(26.7-37.9)	58.3	(50.2-66.4)
Asian	61.8	(53.5-70.1)	41.1	(27.6-54.6)	69.6	(62.5-76.8)
Multi	37.8	(29.4-46.1)	26.0	(18.0-34.1)	55.4	(44.6-66.2)
Other	49.1	(38.0-60.3)	37.0	(27.1-46.8)	68.1	(52.5-83.6)
Nativity						
US Born	40.3	(36.7-43.9)	31.9	(28.5-35.3)	52.9	(48.8-57.0)
Foreign Born	70.8	(65.9-75.6)	44.6	(38.5-50.7)	78.1	(74.1-82.2)
Sexual Orientation						
Heterosexual	50.2	(45.8-54.6)	34.6	(31.0-38.3)	64.6	(60.9-68.4)
LGBQ	33.0	(28.4-37.6)	25.3	(19.6-31.1)	50.0	(40.7-59.2)

Area	Overall		Users		Non-Users	
	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	49.8	(45.6-54.0)	33.5	(30.2-36.8)	64.8	(61.2-68.3)
SPA 1	43.0	(33.7-52.2)	28.1	(24.8-31.4)	60.4	(54.6-66.1)
SPA 2	56.4	(48.3-64.5)	32.6	(25.6-39.6)	72.3	(62.3-82.3)
SPA 3	47.2	(32.0-62.4)	35.0	(24.9-45.0)	61.6	(49.8-73.3)
SPA 4	51.9	(44.2-59.7)	37.7	(31.2-44.1)	66.0	(57.1-75.0)
SPA 5	43.3	(37.8-48.8)	37.2	(32.2-42.2)	57.8	(49.9-65.7)
SPA 6	47.4	(41.3-53.5)	35.4	(29.4-41.3)	57.9	(52.3-63.5)
SPA 7	57.6	(53.4-61.9)	33.5	(26.8-40.2)	74.3	(70.4-78.3)
SPA 8	55.1	(47.0-63.2)	32.0	(25.9-38.1)	70.8	(61.6-80.0)
SD 1	54.4	(48.1-60.8)	36.5	(31.4-41.6)	68.7	(64.4-73.0)
SD 2	46.7	(40.1-53.2)	32.5	(28.0-37.0)	60.1	(53.5-66.8)
SD 3	53.2	(44.5-61.8)	39.2	(33.1-45.3)	69.2	(58.2-80.3)
SD 4	58.2	(52.2-64.2)	31.8	(24.8-38.8)	75.1	(68.8-81.3)
SD 5	45.7	(36.0-55.4)	32.4	(25.8-39.0)	61.1	(53.3-69.0)

Notes: Users included those who had ever used marijuana.
 Non-Users included those who had never used marijuana.
 Regular marijuana use was defined as using marijuana at least once or twice a week.

Appendix P: Perceived Risk of Adult Harm

How Much Do You Think *Adults* Risk Harming Themselves If They Use Marijuana Regularly? (% Great Risk)

Category	Overall		Users		Non-Users		Area	Overall		Users		Non-Users	
	%	95% C.I.	%	95% C.I.	%	95% C.I.		%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	32.7	(28.5-36.9)	14.8	(12.6-17.0)	49.2	(45.8-52.7)	LAC	32.7	(28.5-36.9)	14.8	(12.6-17.0)	49.2	(45.8-52.7)
Gender							SPA 1	23.7	(11.9-35.5)	7.6	(3.4-11.7)	42.4	(34.2-50.6)
Male	26.4	(21.6-31.2)	14.4	(11.1-17.7)	42.2	(36.5-47.9)	SPA 2	38.9	(31.6-46.3)	17.0	(11.0-23.0)	53.3	(44.6-62.0)
Female	38.8	(33.5-44.1)	15.3	(12.6-18.1)	54.2	(50.2-58.2)	SPA 3	28.9	(18.4-39.4)	13.9	(10.3-17.6)	46.6	(39.4-53.8)
Age							SPA 4	34.1	(21.7-46.6)	15.8	(10.9-20.8)	52.3	(42.5-62.1)
12-17	29.5	(24.8-34.1)	11.2	(7.8-14.5)	35.8	(31.1-40.5)	SPA 5	18.8*	(6.1-31.4)	10.5*	(0.9-20.0)	38.6	(20.4-56.9)
18-20	20.5	(16.1-24.8)	12.6	(8.3-16.8)	29.3	(21.2-37.4)	SPA 6	30.5	(25.8-35.2)	17.6	(12.1-23.0)	42.0	(36.1-47.9)
21-29	19.5	(16.7-22.3)	11.4	(8.7-14.2)	34.9	(29.2-40.6)	SPA 7	42.8	(36.7-48.9)	19.0	(13.5-24.6)	59.3	(54.4-64.1)
30-39	29.3	(23.7-34.8)	12.5	(9.5-15.5)	49.6	(43.4-55.8)	SPA 8	38.1	(30.3-45.9)	12.2	(9.0-15.5)	55.8	(47.5-64.0)
40+	40.1	(33.4-46.9)	18.1	(13.5-22.7)	58.1	(53.8-62.5)	SD 1	39.9	(34.8-45.0)	19.8	(16.4-23.3)	55.9	(52.4-59.4)
Race/Ethnicity							SD 2	31.2	(23.5-38.9)	15.8	(9.8-21.7)	46.1	(38.4-53.7)
Latino	40.3	(35.8-44.7)	17.6	(14.9-20.3)	54.7	(50.6-58.9)	SD 3	30.5	(18.7-42.4)	12.4	(8.3-16.5)	51.3	(41.0-61.6)
Black	22.3	(18.2-26.5)	14.0	(11.0-17.0)	34.2	(28.0-40.5)	SD 4	40.1	(32.3-47.8)	13.0	(9.2-16.7)	57.4	(51.2-63.6)
White	19.5	(15.4-23.6)	12.4	(9.1-15.7)	35.3	(28.6-42.0)	SD 5	26.9	(19.8-33.9)	12.6	(7.9-17.2)	43.4	(37.9-48.9)
Asian	42.0	(34.5-49.6)	16.0	(7.7-24.4)	51.9	(44.9-58.9)							
Multi	21.8	(14.8-28.8)	11.1	(5.7-16.5)	38.1	(25.8-50.4)							
Other	35.1	(24.6-45.5)	19.8	(10.1-29.5)	59.5	(43.3-75.7)							
Nativity													
US Born	22.4	(19.6-25.2)	13.5	(11.4-15.6)	35.8	(32.4-39.2)							
Foreign Born	55.9	(51.1-60.7)	23.5	(17.5-29.4)	65.0	(60.8-69.2)							
Sexual Orientation													
Heterosexual	32.6	(28.4-36.7)	15.6	(13.2-18.0)	48.3	(44.8-51.8)							
LGBQ	16.1	(12.0-20.2)	8.5	(5.4-11.6)	33.0	(25.2-40.9)							

Notes: Users included those who had ever used marijuana.

Non-Users included those who had never used marijuana.

Regular marijuana use was defined as using marijuana at least once or twice a week.

* The estimate is statistically unstable (RSE >30%). Interpret with caution.

Appendix Q: Perceived Problem in Neighborhood

How Much of a Problem Is Marijuana Use in Your Neighborhood? (% Major Problem)

Category	Overall		Users		Non-Users		Area	Overall		Users		Non-Users	
	%	95% C.I.	%	95% C.I.	%	95% C.I.		%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	23.4	(19.4-27.4)	18.7	(15.2-22.2)	27.8	(23.4-32.2)	LAC	23.4	(19.4-27.4)	18.7	(15.2-22.2)	27.8	(23.4-32.2)
Gender							SPA 1	16.6	(14.0-19.2)	18.5	(15.7-21.3)	14.5	(9.9-19.0)
Male	20.0	(15.5-24.4)	17.6	(12.6-22.5)	23.2	(18.2-28.2)	SPA 2	27.7	(21.4-33.9)	17.4	(7.9-26.8)	34.7	(29.1-40.2)
Female	26.8	(22.3-31.3)	20.3	(16.6-23.9)	31.1	(26.0-36.1)	SPA 3	15.0	(11.1-18.9)	13.1	(9.4-16.9)	17.3	(12.2-22.3)
Age							SPA 4	33.5	(24.9-42.1)	27.6	(18.6-36.6)	39.7	(32.8-46.6)
12-17	16.8	(14.7-18.8)	24.5	(20.2-28.8)	14.1	(12.1-16.2)	SPA 5	14.0	(9.2-18.8)	10.2	(7.1-13.3)	23.0	(10.0-36.1)
18-20	21.6	(16.8-26.4)	23.3	(16.5-30.1)	19.6	(13.3-26.0)	SPA 6	39.0	(32.9-45.1)	34.8	(27.7-41.9)	42.8	(34.7-50.9)
21-29	19.9	(16.2-23.7)	16.2	(12.5-19.9)	26.9	(21.6-32.3)	SPA 7	25.0	(20.7-29.4)	23.0	(19.0-27.0)	26.4	(19.3-33.5)
30-39	24.0	(18.4-29.7)	18.7	(13.1-24.2)	30.7	(24.1-37.4)	SPA 8	22.4	(13.4-31.4)	15.0	(8.2-21.9)	26.8	(18.3-35.4)
40+	26.2	(20.7-31.7)	18.6	(14.2-22.9)	32.3	(26.3-38.3)	SD 1	30.4	(23.8-37.0)	25.9	(19.4-32.3)	34.2	(27.0-41.3)
Race/Ethnicity							SD 2	32.6	(25.5-39.8)	27.6	(20.3-34.9)	37.5	(30.2-44.9)
Latino	30.5	(26.2-34.9)	25.4	(20.3-30.4)	34.0	(29.6-38.3)	SD 3	25.4	(17.9-32.9)	16.5	(12.0-20.9)	35.9	(27.4-44.5)
Black	30.3	(25.8-34.8)	29.7	(25.8-33.5)	31.5	(23.9-39.0)	SD 4	19.6	(12.4-26.8)	15.1	(7.4-22.8)	21.9	(14.7-29.2)
White	13.2	(11.2-15.2)	12.5	(10.3-14.6)	14.8	(10.0-19.6)	SD 5	14.9	(11.3-18.5)	12.5	(8.4-16.5)	17.8	(12.9-22.7)
Asian	17.9	(11.7-24.2)	7.6	(3.2-12.0)	21.5	(14.1-28.8)							
Multi	21.1	(15.7-26.4)	18.6	(12.1-25.1)	24.6	(15.0-34.3)							
Other	19.7	(11.7-27.7)	16.8*	(6.3-27.2)	24.3	(11.6-37.0)							
Nativity													
US Born	18.8	(15.7-21.9)	17.5	(14.3-20.8)	20.8	(17.2-24.5)							
Foreign Born	33.2	(27.0-39.4)	25.5	(17.1-33.8)	35.2	(29.0-41.4)							
Sexual Orientation													
Heterosexual	22.8	(18.8-26.8)	18.7	(14.8-22.6)	26.6	(22.4-30.8)							
LGBQ	18.1	(13.7-22.5)	17.0	(12.7-21.3)	20.5	(11.7-29.2)							

Notes: Users included those who had ever used marijuana.

Non-Users included those who had never used marijuana.

* The estimate is statistically unstable (RSE >30%). Interpret with caution.

Appendix R: Perceived Harm to Brain Development

Marijuana Is Harmful to The Brain Development of Youth (% Agree/Strongly Agree)

Category	Overall		Users		Non-Users	
	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	79.1	(76.6-81.6)	70.7	(68.0-73.5)	86.8	(84.8-88.8)
Gender						
Male	75.1	(71.4-78.9)	67.4	(63.9-70.9)	85.0	(81.8-88.2)
Female	82.9	(81.0-84.9)	75.2	(72.0-78.5)	88.1	(86.3-89.9)
Age						
12-17	76.9	(75.0-78.9)	59.1	(54.9-63.3)	83.2	(81.2-85.2)
18-20	71.7	(67.3-76.1)	61.8	(55.0-68.7)	82.8	(77.2-88.4)
21-29	71.8	(69.4-74.1)	65.9	(63.0-68.9)	82.9	(79.1-86.8)
30-39	78.1	(74.0-82.3)	70.1	(64.8-75.4)	88.1	(84.5-91.6)
40+	83.1	(79.4-86.8)	75.9	(72.0-79.9)	88.8	(85.6-92.1)
Race/Ethnicity						
Latino	80.8	(77.7-83.9)	71.3	(67.2-75.4)	86.8	(84.8-88.8)
Black	70.2	(66.2-74.2)	61.2	(57.9-64.5)	82.6	(78.5-86.8)
White	76.1	(72.3-79.8)	71.9	(67.7-76.1)	85.7	(81.0-90.5)
Asian	85.9	(81.9-89.9)	75.6	(66.2-84.9)	89.7	(86.0-93.5)
Multi	71.8	(65.8-77.8)	66.7	(60.0-73.5)	79.4	(71.2-87.7)
Other	66.8	(55.6-77.9)	55.9	(42.3-69.6)	83.8	(72.9-94.8)
Nativity						
US Born	75.8	(73.0-78.5)	69.5	(66.5-72.4)	85.1	(82.4-87.7)
Foreign Born	86.8	(84.2-89.4)	78.6	(73.6-83.7)	89.1	(86.9-91.4)
Sexual Orientation						
Heterosexual	79.7	(77.0-82.4)	71.4	(68.4-74.4)	87.4	(85.4-89.4)
LGBQ	70.4	(64.4-76.4)	65.9	(58.6-73.2)	80.6	(73.0-88.2)

Area	Overall		Users		Non-Users	
	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	79.1	(76.6-81.6)	70.7	(68.0-73.5)	86.8	(84.8-88.8)
SPA 1	77.0	(67.3-86.8)	66.5	(54.7-78.2)	89.4	(82.4-96.4)
SPA 2	84.1	(79.6-88.5)	75.9	(69.7-82.0)	89.5	(84.8-94.3)
SPA 3	77.1	(67.9-86.4)	69.2	(62.7-75.8)	86.4	(80.3-92.6)
SPA 4	76.4	(71.4-81.4)	69.2	(62.5-75.9)	83.9	(79.6-88.3)
SPA 5	78.7	(74.8-82.6)	76.1	(71.3-80.9)	84.9	(77.3-92.5)
SPA 6	76.3	(70.1-82.5)	65.2	(59.7-70.7)	86.0	(79.8-92.2)
SPA 7	83.0	(80.1-85.9)	73.2	(67.7-78.8)	89.7	(85.8-93.5)
SPA 8	83.5	(82.2-84.9)	71.0	(65.5-76.6)	91.9	(89.6-94.3)
SD 1	78.1	(73.6-82.7)	69.4	(63.7-75.1)	85.2	(81.2-89.3)
SD 2	78.8	(73.8-83.8)	68.9	(64.0-73.7)	88.2	(84.1-92.2)
SD 3	80.9	(75.4-86.3)	74.2	(69.0-79.3)	88.6	(83.5-93.8)
SD 4	82.7	(81.2-84.2)	69.9	(63.5-76.3)	91.0	(88.2-93.8)
SD 5	79.0	(72.6-85.3)	71.7	(66.3-77.2)	87.3	(82.3-92.3)

Notes: Users included those who had ever used marijuana.
Non-Users included those who had never used marijuana.

Appendix S: Perceived Harms

In What Ways Do You Think Marijuana Use Can Cause Harm?

Category	DUI		Illegal Activities		Personal Motivation		Physical Health		Family Trouble		Perform Poorly	
	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC (Overall)	67.7	(64.2-71.2)	57.6	(53.6-61.7)	45.5	(40.8-50.2)	38.3	(34.5-42.0)	37.7	(34.7-40.6)	36.9	(33.5-40.3)
LAC (Users)	67.5	(63.0-71.9)	47.7	(43.9-51.4)	49.7	(44.0-55.4)	28.3	(24.2-32.4)	33.0	(29.6-36.5)	40.5	(36.5-44.6)
LAC (Non-Users)	67.8	(64.3-71.4)	67.0	(63.5-70.5)	41.7	(37.1-46.2)	47.4	(43.0-51.8)	41.8	(38.1-45.5)	33.4	(29.6-37.1)
Gender												
Male	64.2	(60.1-68.3)	53.4	(48.4-58.3)	41.8	(36.8-46.8)	32.2	(27.7-36.7)	35.0	(30.9-39.2)	35.8	(32.0-39.6)
Female	71.1	(67.5-74.6)	61.7	(58.0-65.4)	49.1	(44.3-53.9)	44.1	(40.3-47.9)	40.2	(37.3-43.1)	38.0	(34.4-41.6)
Age												
12-17	47.3	(44.9-49.8)	60.8	(57.1-64.5)	27.2	(24.7-29.6)	41.6	(36.2-46.9)	33.4	(30.7-36.0)	39.2	(36.2-42.3)
18-20	56.8	(51.6-62.1)	54.0	(48.3-59.7)	34.4	(29.1-39.7)	28.3	(23.8-32.7)	32.6	(26.6-38.7)	32.9	(27.3-38.5)
21-29	63.4	(59.6-67.2)	52.5	(47.8-57.2)	42.5	(38.0-47.0)	29.7	(27.2-32.3)	34.9	(29.9-39.9)	35.2	(31.7-38.7)
30-39	69.1	(64.6-73.7)	58.1	(51.7-64.4)	46.1	(39.4-52.9)	35.0	(30.2-39.9)	37.7	(33.2-42.2)	35.7	(30.9-40.4)
40+	74.5	(69.5-79.6)	58.8	(52.8-64.8)	51.8	(45.8-57.8)	42.3	(36.6-48.0)	40.1	(36.1-44.0)	37.7	(32.5-42.9)
Race/Ethnicity												
Latino	63.6	(59.7-67.5)	61.4	(56.4-66.4)	41.2	(37.8-44.5)	37.6	(34.0-41.1)	41.0	(37.1-44.8)	32.9	(30.4-35.4)
Black	58.7	(52.1-65.2)	52.6	(44.6-60.6)	33.7	(26.3-41.0)	30.6	(25.0-36.2)	26.3	(20.1-32.4)	32.8	(25.5-40.1)
White	74.8	(68.6-80.9)	48.0	(43.0-53.1)	58.8	(51.4-66.1)	35.0	(29.3-40.8)	34.4	(30.5-38.4)	45.2	(40.2-50.3)
Asian	72.7	(68.4-76.9)	67.5	(63.2-71.9)	40.7	(32.2-49.2)	51.4	(44.7-58.0)	40.7	(35.1-46.2)	35.0	(27.2-42.8)
Multi	64.8	(59.8-69.9)	54.3	(47.1-61.5)	40.3	(34.9-45.8)	34.8	(28.0-41.5)	33.3	(26.5-40.0)	40.6	(35.2-46.0)
Other	52.8	(41.3-64.3)	54.9	(42.0-67.8)	40.4	(30.0-50.9)	37.7	(26.4-49.0)	33.4	(25.2-41.7)	36.4	(24.0-48.7)
Nativity												
US Born	66.6	(62.4-70.8)	52.3	(48.5-56.1)	48.1	(42.2-53.9)	33.6	(29.8-37.5)	34.1	(30.6-37.6)	39.6	(35.9-43.3)
Foreign Born	71.7	(68.0-75.4)	69.7	(65.9-73.5)	41.1	(35.7-46.5)	48.6	(42.4-54.8)	45.8	(41.3-50.3)	32.1	(27.7-36.6)
Sexual Orientation												
Heterosexual	69.1	(65.5-72.7)	57.9	(53.5-62.2)	46.3	(41.6-51.0)	38.6	(34.5-42.8)	37.7	(34.4-41.0)	37.7	(34.3-41.0)
LGBQ	58.7	(53.0-64.3)	51.0	(44.8-57.1)	45.3	(35.8-54.7)	32.3	(27.6-37.1)	34.2	(29.4-39.1)	36.8	(30.5-43.1)

Notes: Only those who have used marijuana at least once in their lifetimes were asked this question.

Respondents selected all choices that applied.

"Illegal activities" included theft, arrest, property damage, obtaining from dealer.

Appendix S: Perceived Harms (Cont.)

In What Ways Do You Think Marijuana Use Can Cause Harm?

Category	Work/School Trouble		Mental Health		Overdose		No Harms		Other	
	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC (Overall)	36.3	(33.6-39.1)	31.0	(27.5-34.4)	21.8	(18.0-25.7)	9.1	(7.3-10.8)	3.2	(2.6-3.9)
LAC (Users)	35.9	(32.4-39.4)	24.4	(20.6-28.1)	6.6	(4.9-8.3)	12.0	(9.7-14.4)	3.4	(2.5-4.2)
LAC (Non-Users)	36.7	(33.9-39.5)	37.0	(33.1-40.9)	35.8	(32.3-39.4)	6.3	(4.6-8.1)	3.1	(2.1-4.0)
Gender										
Male	36.5	(32.8-40.2)	26.1	(21.8-30.5)	16.0	(12.3-19.6)	11.4	(9.0-13.8)	3.2	(2.3-4.0)
Female	36.2	(33.7-38.6)	35.6	(32.4-38.8)	27.5	(22.7-32.3)	6.8	(5.4-8.3)	3.3	(2.3-4.3)
Age										
12-17	36.9	(34.1-39.7)	32.3	(29.1-35.6)	27.7	(24.5-30.8)	14.0	(12.4-15.7)	2.2	(1.7-2.7)
18-20	36.3	(28.9-43.6)	23.6	(19.7-27.5)	16.3	(13.4-19.2)	15.4	(10.6-20.2)	2.1	(0.9-3.2)
21-29	34.2	(30.0-38.5)	26.4	(21.5-31.3)	12.6	(8.6-16.6)	12.6	(9.8-15.5)	2.5	(1.5-3.5)
30-39	36.5	(31.7-41.3)	29.9	(25.2-34.7)	19.9	(15.3-24.4)	10.6	(7.4-13.7)	3.0	(1.9-4.1)
40+	36.8	(33.5-40.1)	33.2	(29.1-37.3)	24.6	(19.2-30.1)	5.6	(3.8-7.4)	3.9	(2.9-5.0)
Race/Ethnicity										
Latino	38.0	(34.0-41.9)	32.8	(29.4-36.2)	26.3	(21.7-30.8)	10.1	(8.0-12.1)	3.5	(2.8-4.1)
Black	27.3	(21.1-33.5)	21.5	(18.0-25.0)	11.3	(8.9-13.6)	16.6	(10.5-22.6)	2.1	(0.9-3.4)
White	37.5	(33.2-41.9)	29.4	(24.0-34.8)	10.6	(8.0-13.1)	7.9	(4.8-11.1)	4.1	(2.7-5.5)
Asian	34.6	(30.6-38.6)	34.2	(25.7-42.7)	36.5	(29.6-43.4)	3.5	(1.6-5.5)	1.1*	(0.0-2.5)
Multi	32.5	(25.9-39.1)	26.9	(22.0-31.7)	15.3	(11.0-19.6)	11.4	(7.9-15.0)	5.5	(3.0-8.1)
Other	30.1	(20.3-39.9)	32.1	(20.7-43.4)	16.4	(8.2-24.5)	20.3	(8.4-32.2)	13.1	(6.4-19.7)
Nativity										
US Born	36.2	(33.0-39.4)	27.7	(23.8-31.7)	13.4	(11.1-15.8)	10.8	(8.4-13.1)	3.3	(2.5-4.0)
Foreign Born	38.0	(34.1-41.9)	38.6	(34.0-43.2)	40.5	(36.2-44.8)	5.1	(2.9-7.2)	3.4	(1.8-4.9)
Sexual Orientation										
Heterosexual	36.9	(34.1-39.7)	30.4	(26.8-34.1)	21.4	(17.6-25.2)	8.7	(6.8-10.6)	3.2	(2.5-4.0)
LGBQ	37.4	(30.5-44.4)	31.0	(26.0-36.1)	9.7	(6.1-13.4)	13.4	(10.2-16.6)	2.9	(1.7-4.1)

Notes: Only those who have used marijuana at least once in their lifetimes were asked this question.

Respondents selected all choices that applied.

"Other" included "all of the above", "gateway drug", "overeat", etc.

* The estimate is statistically unstable (RSE >30%). Interpret with caution.

Appendix T: Passengers of Drivers Under the Influence

Have You Ever Been a Passenger in a Car When the Driver Was Under the Influence of Marijuana? (%Yes)

Category	Overall		Users		Non-Users		Area	Overall		Users		Non-Users	
	%	95% C.I.	%	95% C.I.	%	95% C.I.		%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	35.5	(30.1-40.9)	61.6	(56.6-66.5)	11.1	(9.3-12.8)	LAC	35.5	(30.1-40.9)	61.6	(56.6-66.5)	11.1	(9.3-12.8)
Gender													
Male	43.7	(36.7-50.7)	66.7	(61.0-72.4)	13.4	(10.5-16.3)	SPA 1	49.2	(29.6-68.8)	73.0	(65.2-80.9)	21.0	(9.4-32.6)
Female	27.6	(23.0-32.2)	54.6	(49.6-59.7)	9.4	(7.7-11.2)	SPA 2	28.2	(22.8-33.7)	58.5	(50.0-67.0)	8.5	(5.4-11.5)
Age							SPA 3	40.1	(21.8-58.4)	65.1	(51.0-79.1)	10.4	(7.3-13.5)
12-17	19.4	(15.7-23.1)	53.8	(48.1-59.4)	7.4	(5.7-9.0)	SPA 4	36.5	(27.6-45.5)	60.2	(53.9-66.6)	12.5	(7.6-17.4)
18-20	43.3	(36.4-50.2)	62.9	(54.0-71.8)	21.1	(16.1-26)	SPA 5	45.0	(40.7-49.4)	56.7	(51.4-62.1)	16.8	(7.8-25.9)
21-29	52.1	(45.5-58.8)	66.7	(60.5-72.9)	23.6	(17.7-29.5)	SPA 6	43.4	(35.6-51.2)	68.2	(60.0-76.3)	19.4	(14.1-24.6)
30-39	41.3	(34.9-47.7)	66.5	(61.5-71.4)	10.4	(7.4-13.5)	SPA 7	29.0	(22.8-35.2)	55.4	(50.2-60.5)	10.9	(5.9-16.0)
40+	31.2	(24.9-37.6)	58.1	(51.4-64.8)	9.0	(6.5-11.6)	SPA 8	28.3	(20.8-35.8)	59.9	(52.5-67.3)	6.4	(3.8-8.9)
Race/Ethnicity													
Latino	30.5	(25.0-36.0)	61.8	(55.6-67.9)	10.4	(8.4-12.3)	SD 1	35.4	(27.2-43.5)	63.1	(56.6-69.7)	13.2	(9.4-16.9)
Black	50.5	(43.0-57.9)	70.5	(63.6-77.3)	21.2	(16.3-26.2)	SD 2	40.7	(34.1-47.3)	65.9	(59.8-71.9)	15.4	(12.2-18.5)
White	47.7	(40.6-54.9)	60.8	(53.5-68.1)	17.8	(13.4-22.3)	SD 3	37.2	(27.2-47.2)	59.6	(55.8-63.3)	11.2	(6.4-16.1)
Asian	16.7	(12.7-20.7)	50.3	(43.4-57.1)	3.8	(1.8-5.7)	SD 4	26.3	(19.4-33.2)	57.1	(49.7-64.4)	6.4	(3.1-9.7)
Multi	49.8	(40.9-58.7)	72.2	(65.6-78.8)	15.9	(7.5-24.3)	SD 5	37.3	(22.8-51.8)	60.7	(47.2-74.2)	10.3	(5.6-15.0)
Other	54.8	(41.2-68.3)	79.7	(68.4-91.0)	15.6*	(5.8-25.4)							
Nativity													
US Born	44.3	(38.7-49.8)	63.4	(58.2-68.6)	15.0	(12.4-17.7)							
Foreign Born	16.5	(13.0-19.9)	50.7	(44.3-57.2)	6.7	(4.6-8.7)							
Sexual Orientation													
Heterosexual	35.7	(29.8-41.7)	61.5	(56.0-67.0)	11.4	(9.2-13.6)							
LGBQ	50.6	(45.1-56.0)	64.5	(57.3-71.7)	19.7	(10.1-29.3)							

Notes: Users included those who had ever used marijuana.

Non-Users included those who had never used marijuana.

* The estimate is statistically unstable (RSE >30%). Interpret with caution.

Appendix U: Relationship to Drivers Under the Influence of Marijuana

Who Drove Under the Influence of Marijuana When You Were the Passenger? (%)

Category	Friend		Family		Boyfriend/Girlfriend/Spouse		Other	
	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	72.2	(69.2-75.2)	21.6	(19.1-24.1)	21.4	(18.2-24.5)	4.9	(3.7-6.1)
Gender								
Male	79.9	(76.6-83.2)	19.8	(16.8-22.9)	15.1	(12.3-17.8)	4.3	(2.7-6.0)
Female	60.5	(57.3-63.8)	24.2	(20.7-27.7)	30.9	(27.2-34.7)	5.7	(3.9-7.4)
Age								
12-17	51.4	(44.8-58.0)	36.9	(29.9-43.9)	15.8	(12.0-19.6)	7.3	(5.0-9.5)
18-20	71.3	(63.2-79.5)	20.3	(14.2-26.3)	22.7	(17.6-27.8)	3.4*	(0.9-5.9)
21-29	74.7	(69.3-80.1)	24.0	(19.1-29.0)	22.2	(18.0-26.5)	2.8	(1.2-4.5)
30-39	73.1	(67.8-78.4)	23.0	(18.2-27.7)	28.3	(22.1-34.6)	4.9	(2.6-7.2)
40+	73.6	(69.8-77.3)	17.7	(13.0-22.4)	18.6	(13.2-24.0)	5.8	(3.8-7.9)
Race/Ethnicity								
Latino	70.5	(65.8-75.2)	24.0	(20.6-27.3)	19.4	(16.3-22.5)	5.0	(2.8-7.3)
Black	62.7	(57.5-67.9)	30.3	(26.1-34.5)	22.5	(14.6-30.4)	3.6	(1.5-5.7)
White	76.5	(71.8-81.1)	17.6	(13.3-21.9)	23.6	(17.8-29.4)	4.7	(3.2-6.1)
Asian	76.2	(69.6-82.8)	11.9	(5.8-18.0)	15.9	(10.9-20.8)	6.4*	(1.6-11.2)
Multi	67.1	(57.2-76.9)	32.8	(25.0-40.5)	26.7	(20.5-33.0)	6.4*	(1.5-11.4)
Other [†]	61.5	(50.2-72.7)	23.4*	(8.0-38.8)	27.1	(14.6-39.7)	11.3*	(1.6-21.0)
Nativity								
US Born	72.3	(69.0-75.6)	22.8	(19.9-25.6)	22.9	(19.3-26.6)	3.7	(2.6-4.9)
Foreign Born	73.1	(64.6-81.6)	14.6	(9.6-19.7)	10.8	(7.3-14.3)	11.1	(6.1-16.1)
Sexual Orientation								
Heterosexual	72.7	(69.3-76.1)	22.2	(19.5-24.9)	20.7	(17.7-23.7)	4.4	(3.1-5.6)
LGBQ	71.0	(66.2-75.8)	18.7	(12.6-24.9)	26.9	(19.5-34.3)	6.2	(2.5-9.9)

Notes: Only to those who answered “Yes” to “If ‘yes’ to ‘Have you ever been a passenger in a car when the driver was under the influence of marijuana’, who was the driver?” were asked this question.

Respondents selected all choices that applied.

* The estimate is statistically unstable (RSE >30%).

† The estimate is statistically unstable (sample size ≤ 70). Interpret with caution.

Appendix V: Likelihood of Seeking Help

If you had a problem with marijuana use, how likely would you seek professional help? (%Very Likely)

Category	Overall		Users		Non-Users	
	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	50.1	(46.9-53.2)	37.4	(34.2-40.5)	62.1	(58.6-65.6)
Gender						
Male	42.6	(38.5-46.6)	32.4	(28.7-36.2)	56.2	(51.7-60.6)
Female	57.3	(54.4-60.2)	44.1	(40.8-47.3)	66.2	(62.4-70.0)
Age						
12-17	44.1	(39.4-48.8)	25.3	(20.6-30.0)	50.7	(46.1-55.4)
18-20	28.9	(24.3-33.6)	17.6	(12.2-22.9)	41.8	(32.5-51.2)
21-29	35.3	(30.2-40.4)	28.2	(23.7-32.6)	48.9	(40.4-57.5)
30-39	48.3	(42.4-54.2)	36.8	(31.1-42.5)	62.8	(56.8-68.9)
40+	59.2	(54.8-63.6)	46.0	(40.8-51.3)	70.2	(66.1-74.3)
Race/Ethnicity						
Latino	52.8	(48.8-56.8)	37.3	(34.1-40.6)	63.0	(58.5-67.5)
Black	55.6	(51.5-59.7)	46.8	(42.5-51.2)	68.2	(61.7-74.8)
White	42.0	(37.3-46.7)	34.6	(29.3-39.9)	58.9	(50.7-67.0)
Asian	55.4	(49.4-61.4)	39.7	(32.0-47.5)	61.4	(54.5-68.2)
Multi	43.1	(35.2-51.0)	37.9	(27.3-48.4)	51.2	(43.0-59.4)
Other	44.5	(35.5-53.4)	36.1	(26.4-45.7)	57.6	(39.8-75.5)
Nativity						
US Born	43.6	(40.5-46.7)	35.9	(32.5-39.3)	55.3	(50.4-60.3)
Foreign Born	65.1	(60.8-69.4)	45.1	(40.0-50.2)	71.0	(66.0-76.0)
Sexual Orientation						
Heterosexual	50.4	(46.8-54.1)	37.7	(33.8-41.5)	62.6	(59.3-65.9)
LGBQ	38.3	(34.4-42.1)	32.8	(28.9-36.7)	50.8	(41.4-60.2)

Area	Overall		Users		Non-Users	
	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	50.1	(46.9-53.2)	37.4	(34.2-40.5)	62.1	(58.6-65.6)
SPA 1	53.6	(35.6-71.6)	42.7	(33.8-51.6)	66.0	(43.4-88.6)
SPA 2	52.8	(45.1-60.5)	40.0	(31.0-49.1)	61.6	(52.3-71.0)
SPA 3	44.7	(31.4-57.9)	31.6	(21.4-41.9)	60.1	(53.4-66.9)
SPA 4	49.6	(45.0-54.1)	39.4	(34.3-44.5)	59.9	(52.3-67.5)
SPA 5	43.5	(38.7-48.3)	38.3	(33.8-42.8)	55.9	(44.6-67.2)
SPA 6	55.0	(48.8-61.3)	46.3	(38.6-54.0)	63.7	(56.9-70.5)
SPA 7	60.1	(56.7-63.6)	42.7	(34.4-51.1)	72.0	(67.0-77.0)
SPA 8	51.9	(44.7-59.2)	34.0	(27.6-40.5)	64.3	(52.8-75.9)
SD 1	54.6	(49.2-59.9)	40.8	(34.5-47.0)	65.6	(61.4-69.8)
SD 2	50.7	(46.2-55.2)	42.8	(37.9-47.7)	58.9	(51.7-66.2)
SD 3	48.0	(41.6-54.4)	37.4	(31.7-43.0)	61.0	(51.1-70.9)
SD 4	55.6	(50.1-61.1)	33.7	(24.0-43.4)	69.3	(61.6-77.0)
SD 5	46.6	(36.5-56.7)	35.1	(24.3-45.9)	59.9	(52.5-67.3)

Notes: Users included those who had ever used marijuana.

Non-Users included those who had never used marijuana.

Appendix W: Public Advertising

State law should prohibit advertising of marijuana products on billboards, commercials, and public places in the same way it is restricted for tobacco products. (%Agree/Strongly Agree)

Category	Overall		Users		Non-Users		Area	Overall		Users		Non-Users	
	%	95% C.I.	%	95% C.I.	%	95% C.I.		%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	77.5	(74.9-80.2)	70.2	(66.4-74.1)	84.3	(82.1-86.5)	LAC	77.5	(74.9-80.2)	70.2	(66.4-74.1)	84.3	(82.1-86.5)
Gender	73.9	(70.5-77.2)	67.9	(63.8-72.0)	81.5	(77.8-85.2)	SPA 1	74.6	(58.3-90.9)	64.1	(37.8-90.4)	86.7	(79.4-94.0)
Male	81.1	(78.6-83.6)	73.4	(69.3-77.4)	86.2	(84.0-88.3)	SPA 2	77.8	(71.0-84.6)	70.7	(61.9-79.5)	82.3	(75.4-89.2)
Female							SPA 3	75.0	(66.5-83.5)	67.8	(63.8-71.8)	83.5	(75.0-91.9)
Age							SPA 4	80.0	(76.4-83.5)	75.7	(69.7-81.8)	84.1	(79.8-88.4)
12-17	68.7	(66.3-71.2)	47.6	(42.6-52.5)	76.1	(74.0-78.2)	SPA 5	82.8	(77.1-88.4)	81.6	(73.6-89.6)	85.6	(75.4-95.7)
18-20	65.1	(59.8-70.5)	55.2	(47.7-62.7)	76.4	(70.5-82.2)	SPA 6	73.7	(67.2-80.3)	65.6	(58.0-73.3)	80.8	(75.1-86.5)
21-29	69.6	(65.6-73.5)	62.2	(57.6-66.8)	83.5	(79.7-87.4)	SPA 7	79.4	(76.6-82.3)	68.6	(60.3-77.0)	86.9	(84.1-89.6)
30-39	75.2	(70.6-79.9)	67.1	(60.3-73.9)	85.0	(81.3-88.8)	SPA 8	83.0	(80.5-85.5)	71.2	(65.8-76.5)	91.0	(88.6-93.4)
40+	84.2	(80.6-87.9)	80.2	(75.2-85.1)	87.5	(83.9-91.1)							
Race/Ethnicity							SD 1	77.2	(73.3-81.2)	68.9	(63.9-73.9)	83.8	(79.3-88.2)
Latino	76.9	(74.0-79.9)	67.7	(63.9-71.5)	82.9	(80.0-85.7)	SD 2	77.7	(72.7-82.7)	72.2	(65.5-78.9)	82.7	(78.5-86.9)
Black	69.3	(65.3-73.2)	62.5	(56.5-68.4)	78.6	(74.2-82.9)	SD 3	80.4	(75.3-85.4)	76.6	(70.7-82.5)	84.7	(78.0-91.4)
White	77.9	(73.3-82.6)	74.0	(67.8-80.2)	86.7	(82.1-91.3)	SD 4	82.2	(79.0-85.3)	69.0	(60.3-77.8)	90.6	(88.7-92.4)
Asian	85.3	(81.2-89.4)	77.1	(67.7-86.4)	88.3	(84.1-92.5)	SD 5	75.0	(68.4-81.7)	67.9	(60.8-75.0)	83.1	(76.8-89.4)
Multi	65.3	(59.9-70.8)	58.6	(52.4-64.7)	75.6	(69.7-81.5)							
Other	65.8	(57.3-74.3)	53.6	(42.2-65.0)	84.6	(77.2-91.9)							
Nativity													
US Born	74.3	(71.1-77.6)	68.9	(64.3-73.4)	82.5	(79.8-85.2)							
Foreign Born	85.8	(82.6-89.0)	79.8	(74.0-85.7)	87.4	(84.5-90.4)							
Sexual Orientation													
Heterosexual	79.1	(76.0-82.1)	72.3	(68.0-76.6)	85.3	(82.8-87.7)							
LGBQ	63.2	(59.0-67.5)	56.8	(52.1-61.5)	77.7	(71.4-84.0)							

Notes: Users included those who had ever used marijuana.

Non-Users included those who had never used marijuana.



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Acknowledgements: Special thanks to **Yolanda Cordero, M.P.A., Chief of Prevention Services** for mobilizing community prevention service providers and support throughout the project; **Paul Simon, M.D., M.P.H., Chief Science Officer** and **Amy Lightstone, M.P.H., M.A.** for their review and contribution to the report; **Rachel Gonzales, Ph.D., M.P.H., Desiree Crevecoeur-MacPhail, Ph.D.,** and **Safe Med LA Steering Committee Members** for their review and contribution to the survey design and questions; and **Jamenie Lazaro, B.S.** for assisting with data entry and report.

Suggested Citation:

Marijuana Use and Public Perceptions in Los Angeles County: Findings from the 2017 Community Needs Assessment. Health Outcomes and Data Analytics, Substance Abuse Prevention and Control, Los Angeles County Department of Public Health, September 2018.

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