

Prescription Medication Misuse 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



March 2019

Message from the SAPC Director

The Los Angeles County (LAC) Department of Public Health (DPH) Division of Substance Abuse Prevention and Control (SAPC) is pleased to provide you with this report on prescription (Rx) medication misuse and public perceptions in LAC based on the findings from the 2017 Community Needs Assessment (CNA). In light of recent increases in preventable morbidity and mortality due to Rx medication misuse, this CNA report was developed in collaboration with community partners and provides insight into public health and safety issues from Rx medication misuse in LAC.

Rx medication is second only to marijuana as the most commonly misused drug in the U.S., with about 6.8% of U.S. adults misusing Rx medications at least once in the past year.¹ Over the past decade, there have been steep increases in the number of Rx medication overdose related emergency department (ED) visits, hospitalizations, and deaths. Today, drug overdose is now the leading cause of injury deaths in the U.S., surpassing the number of deaths by both motor vehicle crashes and firearms.²

A myriad of complex systemic, structural, and societal factors that may far outweigh internal factors of the individual have contributed to the current drug overdose epidemic.

To respond to these complex factors contributing to the prescription drug abuse problem, the Los Angeles County Department of Public Health, Substance Abuse Prevention and Control program has developed a five-year strategic plan that has been carried out through the broad, cross sector Safe Med LA coalition (www.SafeMedLA.org). Safe Med LA is a public-private partnership between County agencies and health departments, health plans, community providers, law enforcement, and others. Some of the coordinated and multi-pronged efforts include provider training on safe prescribing practices; increasing access to naloxone, the

opioid overdose prevention medication, and medications for addiction treatment (MAT) such as buprenorphine; community education; engaging law enforcement around their role in addressing the opioid epidemic; tracking and monitoring the prescribing and dispensing of controlled substances through California's Prescription Drug Monitoring Program (PDMP) known as the Controlled Substance Utilization Review and Evaluation System (CURES); and safe and responsible disposal of unused or unwanted medications.

This report presents a comprehensive profile of Rx medication misuse in LAC and highlights disparities among geographic areas and sociodemographic groups, including Service Planning Area, Supervisorial District, gender, age, race/ethnicity, nativity, and sexual orientation. This data is important in identifying risk factors to better understand the upstream social determinants of these disparities in Rx medication misuse in LAC.

We hope the information presented in this report will help support the collective work of communities, providers, government agencies, businesses, schools, and other entities to help reduce the morbidity, mortality, and economic burden of Rx drugs in LAC communities.

John Connolly

John M. Connolly, Ph.D., M.S.Ed.
Division Director
Substance Abuse Prevention and Control
Los Angeles County Department of Public Health

¹Center for Behavioral Health Statistics and Quality. (2018) 2017 National Survey on Drug Use and Health: Detailed Tables. Substance Abuse and Mental Health Services Administration, Rockville, MD. <https://www.samhsa.gov/data/sites/default/files/cbhsqreports/NSDUHDetailedTabs2017/NSDUHDetailedTabs2017.pdf>

²Centers for Disease Control and Prevention. National Center for Health Statistics. FastStats. <https://www.cdc.gov/nchs/fastats/injury.htm>

Table of Contents

Acknowledgements	i	Summary of Findings	29
Executive Summary.....	ii	Appendix A: Final Analytic Sample	36
Introduction	1	Appendix B: Prevalence and Misuse Behavior	37
Los Angeles County	3	Appendix C: Easy Access	39
Sample Demographics (N=9,487)	4	Appendix D: Reasons for Misuse.....	40
Geographic Distribution of Sample (N=6,607)	5	Appendix E: Setting of Misuse	42
Prevalence of Rx Medication Misuse	6	Appendix F: Type of Rx Medication Misused.....	43
Age of Initiation.....	7	Appendix G: Misused with Alcohol.....	44
Easy Access	8	Appendix H: Source of Rx Medication Misused	45
Reasons for Misuse.....	9	Appendix I: Place of Last Rx Medication Misuse	47
Setting of Misuse	10	Appendix J: Harms from Misusing Rx Medications.....	48
Type of Rx Medication Misused	11	Appendix K: Gone to Work/School Under Influence	50
Misuse with Alcohol or Other Drugs	12	Appendix L: Perceived Easy Access.....	51
Source of Rx Medication Misused.....	13	Appendix M: Perceived Problem in Neighborhood	52
Place of Last Rx Medication Misuse	14	Appendix N: Perceived Most Commonly Misused Rx Medications	53
Harms from Misusing Rx Medications.....	15	Appendix O: Know Someone Who Misused Rx Medication	54
Used Rx Medication Before or During Work/School	16	Appendix P: Perceived Risk of Youth Harm	55
Perceived Easy Access.....	17	Appendix Q: Perceived Risk of Adult Harm	56
Perceived Problem in Neighborhood.....	18	Appendix R: Perceived Harms	57
Perceived Most Commonly Misused Rx Medications	19	Appendix S: Perceived Safety of Rx Medications.....	59
Know Someone Who Misused Rx Medication	20	Appendix T: Perception on Recommended Dosage.....	60
Perceived Risk of Harm to Youth	21	Appendix U: Unused Rx Medications.....	61
Perceived Risk of Adult Harm	22	Appendix V: Safe Disposal.....	62
Perceived Harms	23	Appendix W: Likelihood of Seeking Help	64
Perceived Safety of Rx Medication	24		
Perception on Recommended Dosage	25		
Unused Rx Medications.....	26		
Safe Disposal	27		
Likelihood of Seeking Help.....	28		

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.

CNA Workgroup members included:

Annay Picazo	Denise Orozco	Maritza Alvarez
Albert Melena	Hiroko Makiyama	Mihae Jung
Arles A. Benavides	Holley Shafer	Monica Sanchez
Bart Trevino	Irene Lim	Rangell Oruga
Barbara Roberts	Jazmin Jimenez	Sandy Logan
Brandon Silva	Jeanne Shimatsu	Sarah Blanch
Catalina Gonzalez	Jenny Sanega-Sherwood	Shawn Davis
Charles Porter	Jeremy Goldbach	Sokhom Phou
Christy Zamani	Kimberly Sigmund	Steve Moua
Claudia Morales	Laresha Franks	Tenesha Taylor
Dana Sherrod	Lorena Velasquez	Tyra Goodman
Darrel Santos	Maria Rocio Trujillo	Zelenne Cardenas

Participating agencies included:

Asian American Drug Abuse Program	Institute for Public Strategies	Phoenix House of Los Angeles
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

- The rate of those who reported ever misusing prescription (Rx) medications (e.g., pain relievers, sedatives/benzodiazepines, stimulants) among Los Angeles County (LAC) residents aged 12 or older was 19.0%.
- The rate who reported currently (at least once in the past 30 days) misusing Rx medications was 2.8%.
- Among those who ever misused Rx medication, 55.0% misused opioids, 52.7% misused sedatives, and 25.5% misused stimulants.
- Those who misused Rx medications in the past 30 days did so for an average of 9 days per month.
- The average age of first misusing Rx medication was 22 years; 43.2% were under the age of 18.
- Those who ever misused Rx medications were nearly twice as likely to know others who also misused Rx medication than those who have not misused Rx medications (81.1% vs. 41.7%).
- Common reasons reported for misusing Rx medication were to relax (33.8%), to get high (32.6%), to help sleep (30.0%), to deal with anxiety/stress (29.3%), and to treat chronic pain (28.7%).
- The majority (61.4%) of those who misuse Rx medication do so when they are alone. The most recent place reported for misusing Rx medication was at their own home (60.9%), followed by a public place (11.5%), a friend's home (9.6%), a party or kick-back (8.3%), at work or school (5.5%) and other location (5.1%).

Access

- Overall, 47.1% of LAC residents aged 12 years or older perceived that it would be easy for someone to obtain Rx medications on the street in their neighborhood.
- Among those who ever misused Rx medication, 55.0% reported it was easy for them to obtain Rx medication without a prescription.
- Friends (38.8%) was the primary source that those who misused Rx medications obtained them; followed by doctors (26.2%), their own home (23.3%), family members (17.1%), and dealers or illegally obtained (16.2%).

Perceived Harms and Risks

- More than half (54.4%) of LAC residents aged 12 or older think that youth, even with occasionally misusing Rx medications risk harming themselves.
- As age of respondents increased, so does the thought that youth risk harming themselves by occasionally misusing Rx medication: from 30.5% among those aged 12-17 to 66.3% among those aged 45-54, and 66.1% among those aged 55 and over.
- Among all respondents, 16.9% perceived misusing Rx medication as a major problem in their neighborhood. The rate was higher among blacks/African Americans (26.7%) and foreign born respondents (21.6%).
- Ways that respondents think that misusing Rx medications can cause harm, are DUI (77.9%), overdose (65.1%), physical health problems (61.2%), illegal activities (60.3%), and mental health problems (50.7%).
- In order to get high, 29.7% respondents perceived it is safer to misuse Rx medications than it is to use illegal street drugs. Youth aged 12-17 (43.1%) were most likely than any of the other age groups to think this.

Harms and Risks among those who Misuse Rx Medications

- The most common reported harms caused by misusing Rx medication included physical health problems (23.6%), DUI (23.1%), and illegal activities (22.3%); however, 37.6% reported that no harms resulted from their misusing Rx medications.
- Among misusers, 11.2% experienced overdose.
- Over one-third of respondents (36.1%) who reported misusing Rx medications went to work or school under the influence. Over half (55.3%) of those aged 12-17 years did so.
- Over half (56.6%) of the respondents reported misusing Rx medications with alcohol or other drugs.

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 regarding misusing prescription (Rx) medication and its associated problems and perceptions, and to identify disparities and potential risk or protective factors in target communities in Los Angeles County (LAC). The CNA provides a comprehensive profile of the issues of misusing Rx medication 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 that address the needs of the target communities.

CNA Workgroup

The CNA Workgroup was established to oversee and carry out 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 Unit in the Division of Substance Abuse Prevention and Control (SAPC) at the LAC Department of Public Health (DPH), and SAPC-contracted community prevention service providers. The CNA Workgroup was led by HODA and worked closely with community partners 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 the misuse of Rx medication and related domains, along with sociodemographic and geographic questions. Paper and online SurveyMonkey versions of the CNA were available in English, Spanish, and Khmer. The paper and online versions required approximately 20-30 minutes and 10-15 minutes, respectively, to complete. Several questions on the youth (aged 12-17) survey were worded differently from the adult (aged 18+) survey. Participants were assured that all survey responses were confidential.

The misuse (i.e., non-medical use) of Rx medications was defined as any use of Rx medications without a doctor's prescription, in greater amounts than prescribed, more often than prescribed, or for any reason other than what the doctor prescribed them for. Prescription medications included pain killers (e.g., OxyContin, Vicodin, Percocet); sedatives (e.g., Benzodiazapine, Ambien, Xanax, Valium); and stimulants (e.g., Adderall, Ritalin, Concerta).

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 at 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

From 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

To reduce sampling error and be able to produce estimates more representative of the population, sample weights were created using the American Community Survey (ACS) to account for differences in age, gender, and race/ethnicity between the sample and the population. Population estimates could not be provided for some demographic groups (e.g., transgender) because both ACS data and sample weights were not available. Therefore, population estimates for the 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 for any of the weighting variables (i.e., age, gender, race/ethnicity) were excluded (N=1,849). The final sample consisted of 7,638 surveys.

All missing and unknown response values were excluded from individual calculations where applicable. Estimates for some categories (e.g., Service Planning Areas (SPA), Supervisorial Districts (SD)) with a large proportion of missing values should be interpreted with caution.

Statistical Methods

Estimates and their variances were calculated using the statistical procedures PROC SURVEYFREQ and PROC SURVEYMEANS in Statistical Analysis System (SAS) 9.4 (SAS Institute Inc., Cary, NC). 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 prescription medication misuse; misuse behaviors; perceived risk, accessibility, and availability; and consequences of misuse within LAC communities. Results are presented for LAC overall, geographic region (Service Planning Areas and Supervisorial Districts), and by demographic group. 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*. Statistically significant differences in the estimates between groups can be assessed by examining the confidence intervals; if they do not overlap then the difference is thought to be statistically significant.

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

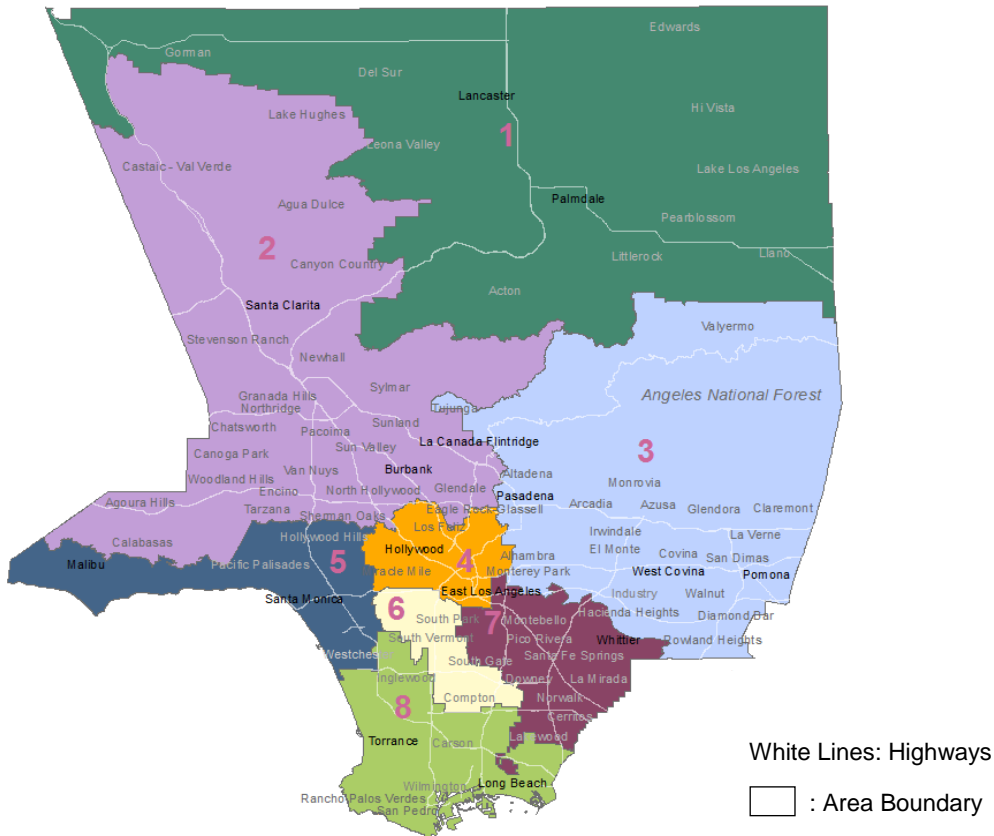
Limitations of CNA

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

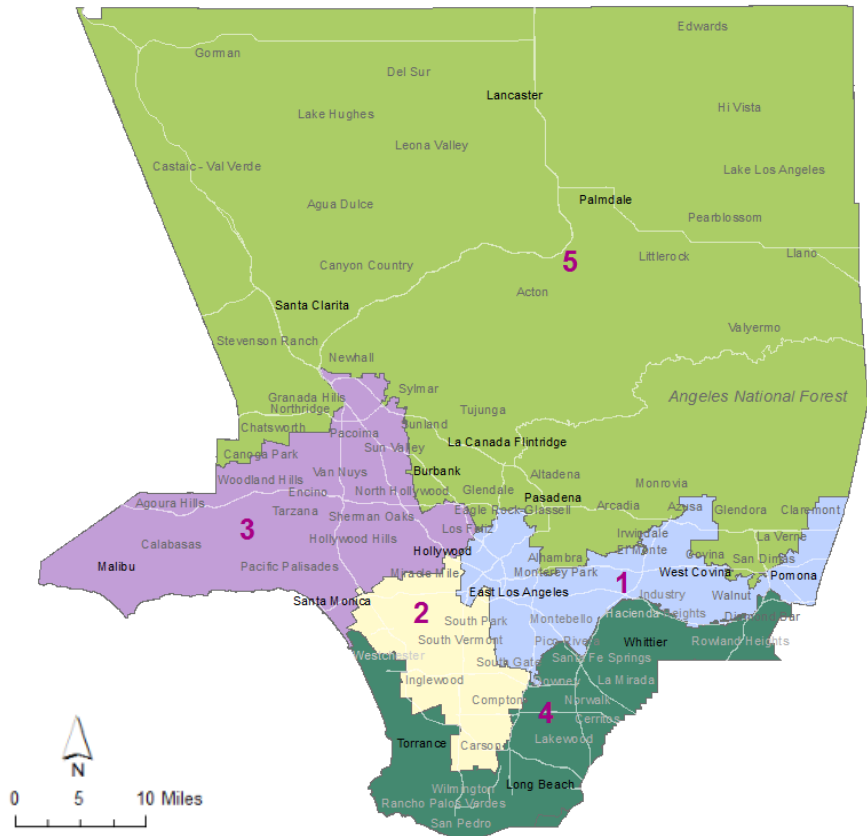


Population, 2017

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.

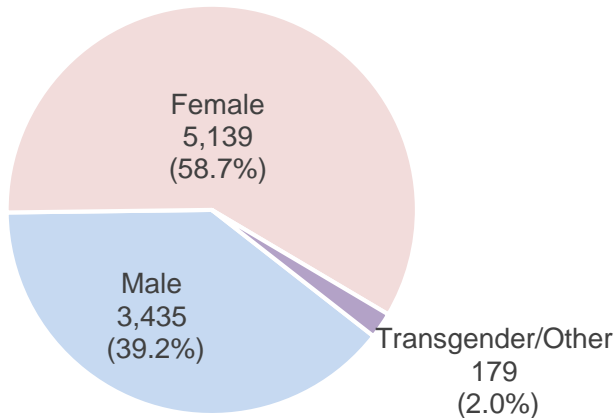


SD 1: 2,040,155	SD 4: 2,016,667
SD 2: 2,093,936	SD 5: 2,045,091
SD 3: 2,076,799	

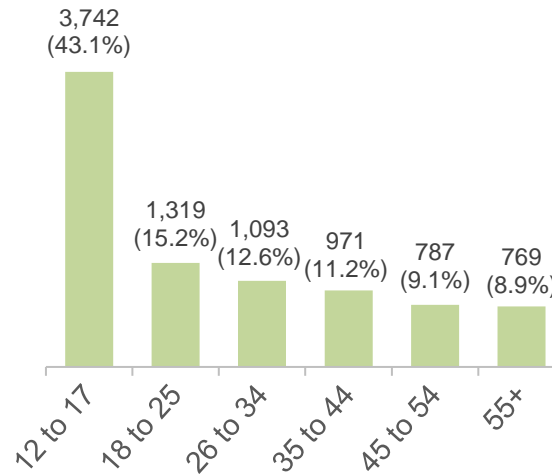
Note: Population estimates are July 1, 2017 population estimates prepared for Los Angeles County, Internal Services Department, Information Technology Service by Hedderson Demographic Services.

Sample Demographics (N=9,487)

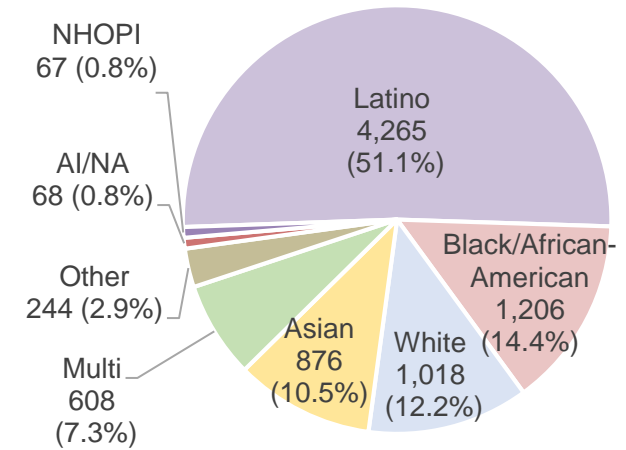
Gender



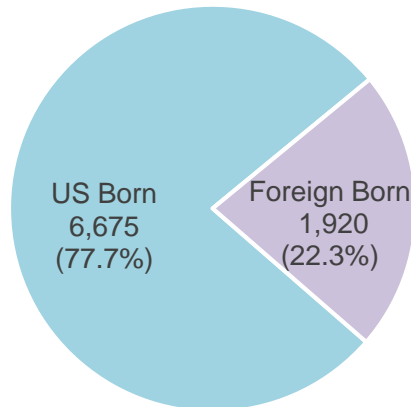
Age (years)



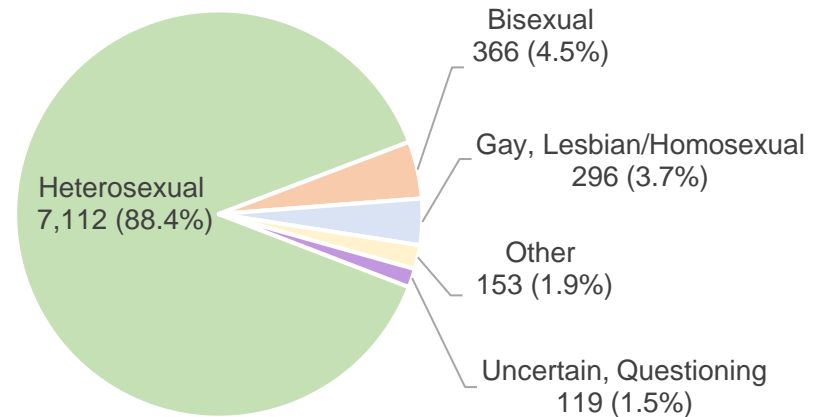
Race/Ethnicity



Nativity



Sexual Orientation



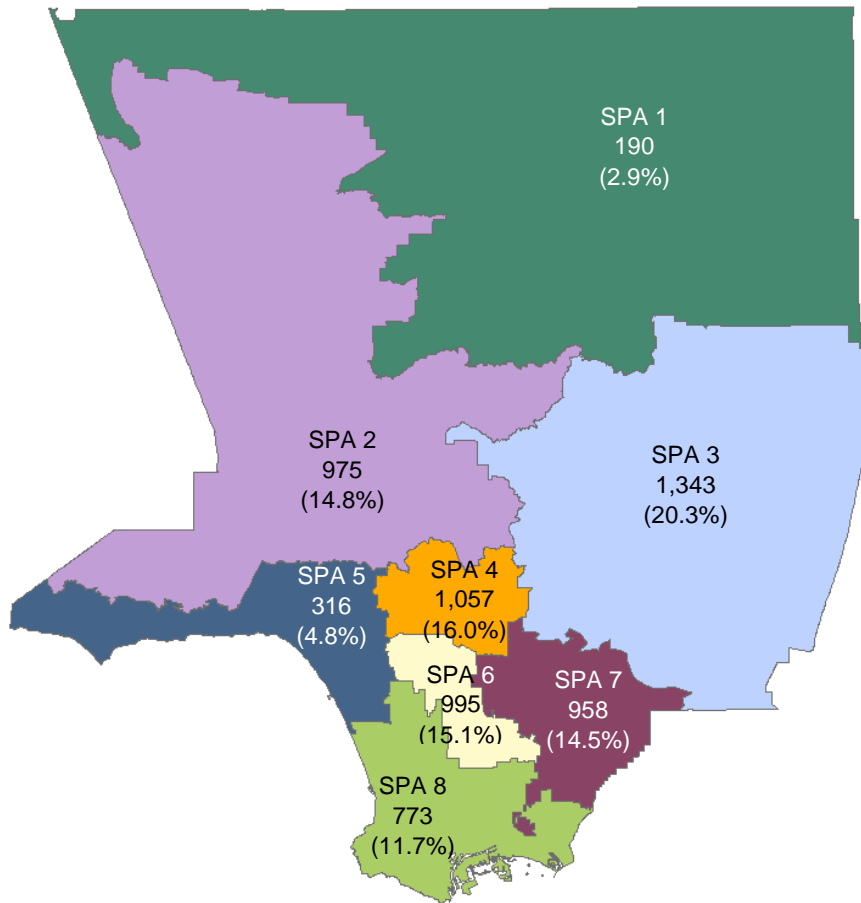
Notes: "Multi" race/ethnicity includes multi-racial or multi-ethnic. "NHOPI" is Native Hawaiian and Other Pacific Islander. "AI/NA" is American Indian/Native American. "LGBQ" includes lesbian, gay, bisexual, and questioning.

Since the sampling weights for the transgender group could not be calculated, the transgender group was not included in the final analytic sample.

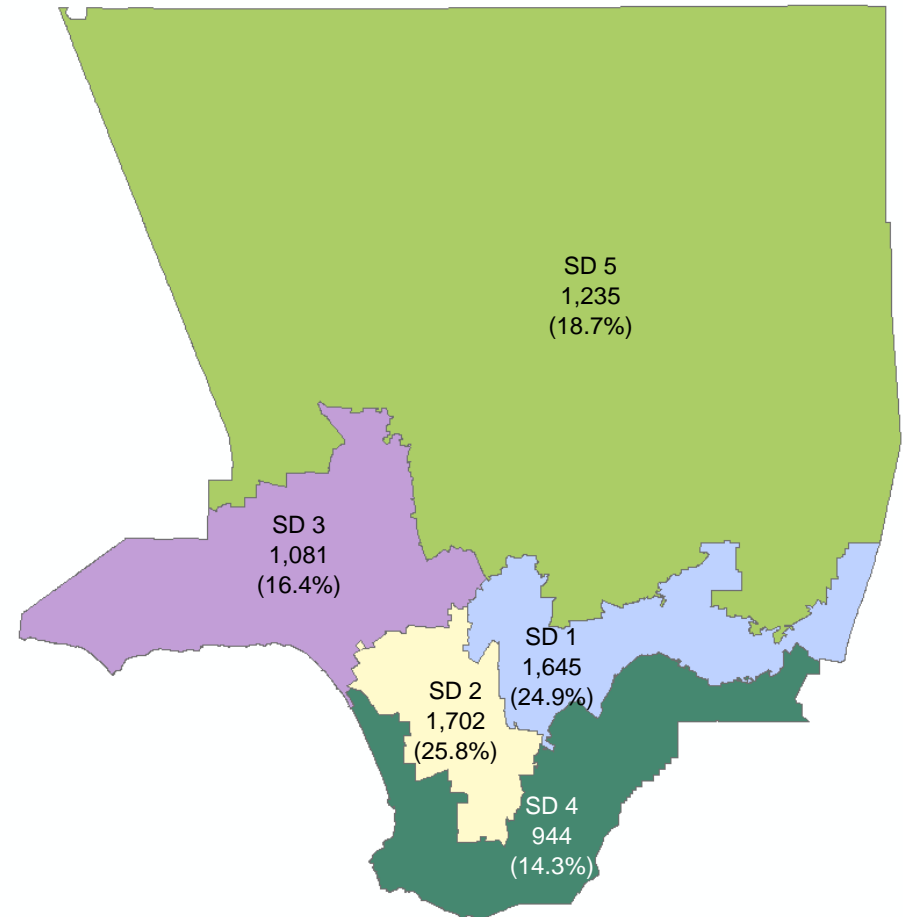
Records with missing values on any of the weighting variables (i.e., age, gender, race/ethnicity) were excluded (N=1,849) in the final analytic sample (N=7,638). Please refer to *Appendix A* for the demographics of the final analytic sample.

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 analytic sample (N=5,945). Please refer to *Appendix A* for the geographic distribution of the final analysis sample.

Prevalence of Rx Medication Misuse

Have you **ever misused** prescription medications? (%Yes)



Have you misused prescription medications in the **past 30 days**? (%Yes)



Area	%Lifetime Misuse	% Current Misuse
Service Planning Area (SPA)		
SPA 1	23.2	1.9
SPA 2	15.7	1.7
SPA 3	19.2	3.1
SPA 4	20.5	3.1
SPA 5	20.3	3.5*
SPA 6	18.4	5.6*
SPA 7	15.7	1.2
SPA 8	21.0	1.2*
Supervisorial District (SD)		
SD 1	16.2	2.0
SD 2	19.8	3.9
SD 3	19.2	2.4*
SD 4	20.3	1.5
SD 5	19.1	3.1

Notes: Data for NHOPI (N=67) and AI/NA (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.

Figure 1. Lifetime Misuse of Prescription Medication by Demographics

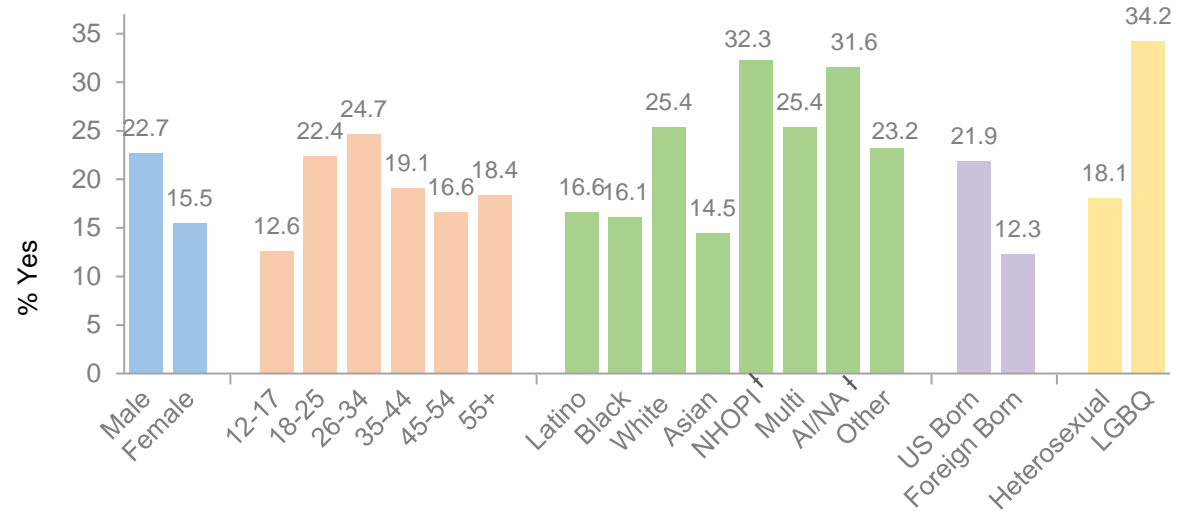
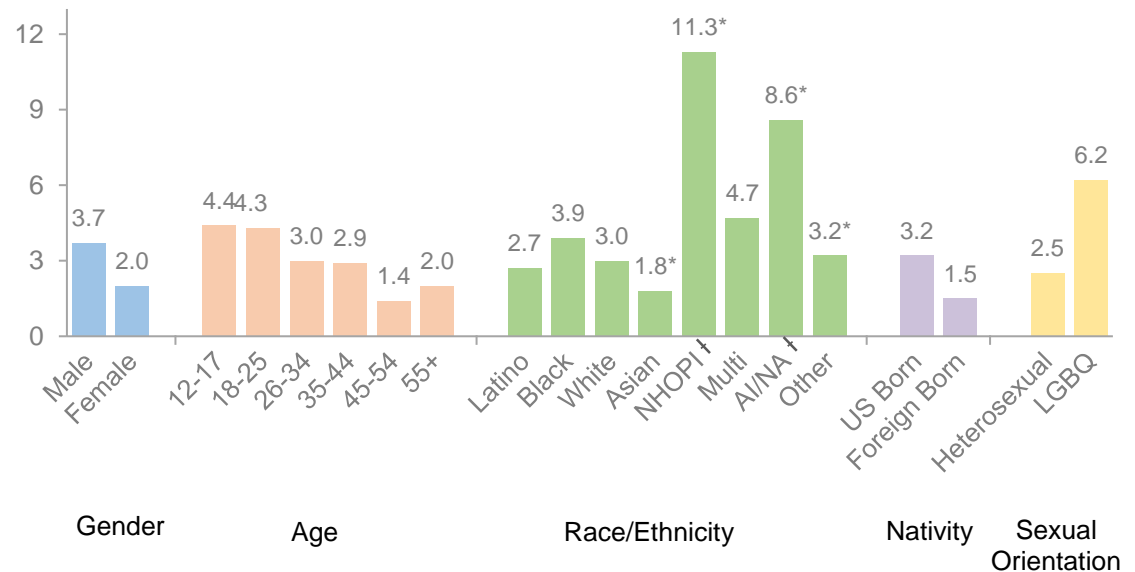


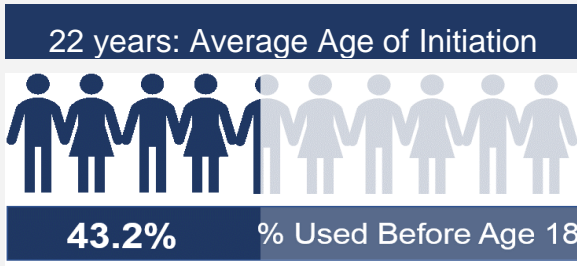
Figure 2. Current Misuse of Prescription Medication by Demographics



• On average, those who misused Rx medications did so for 9 days in the past month (Frequency of misuse by demographics not presented in figures due to small sample size).

Age of Initiation

How old were you when you **first misused** prescription medication?



Area	Average Age	% Misused Before Age 18
Service Planning Area (SPA)		
SPA 1 †	23	41.9
SPA 2	23	42.1
SPA 3	21	47.8
SPA 4	23	36.2
SPA 5 †	23	40.6
SPA 6	18	53.7
SPA 7	20	44.8
SPA 8	25	28.6
Supervisorial District (SD)		
SD 1	20	49.0
SD 2	20	44.1
SD 3	23	37.7
SD 4	23	35.0
SD 5	22	41.9

Notes: Only those who had ever misused prescription medication were asked this question.

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

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

Figure 3. Average Age of Initiation by Demographics

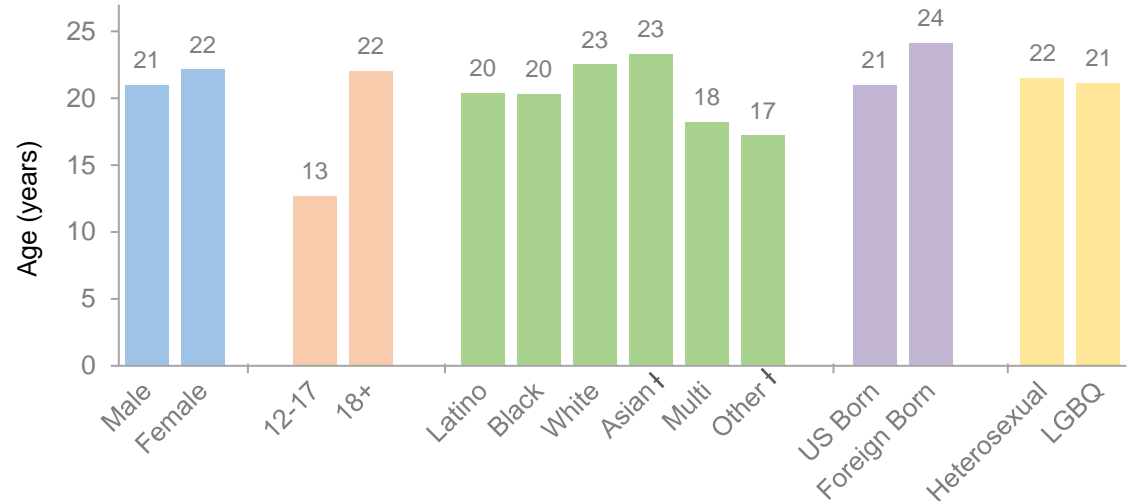
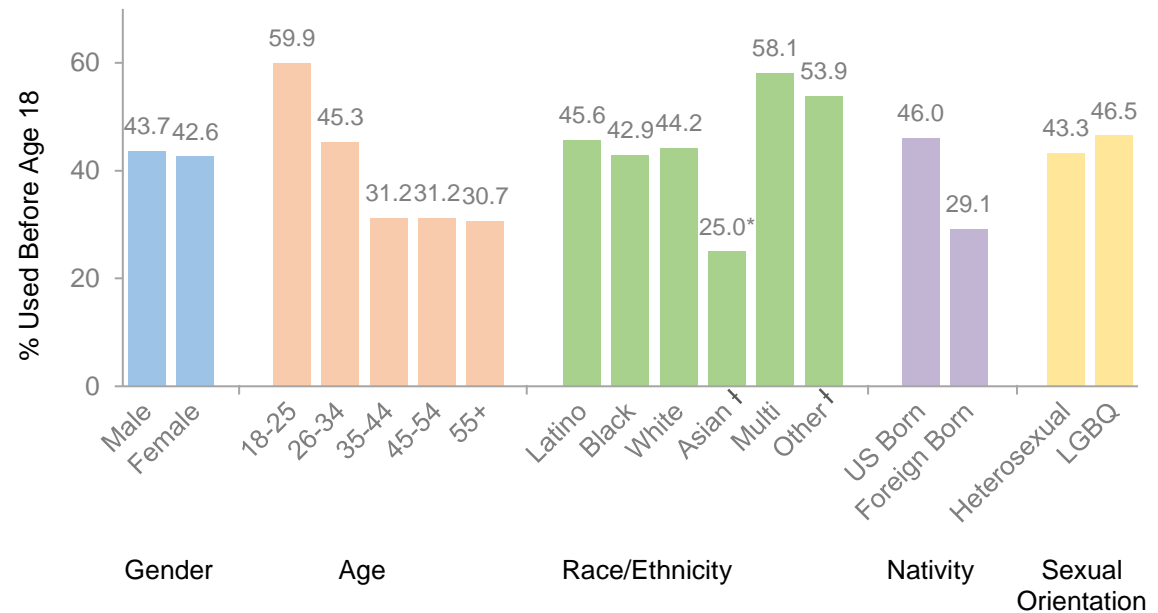


Figure 4. Misused Before Age 18 by Demographics



Easy Access

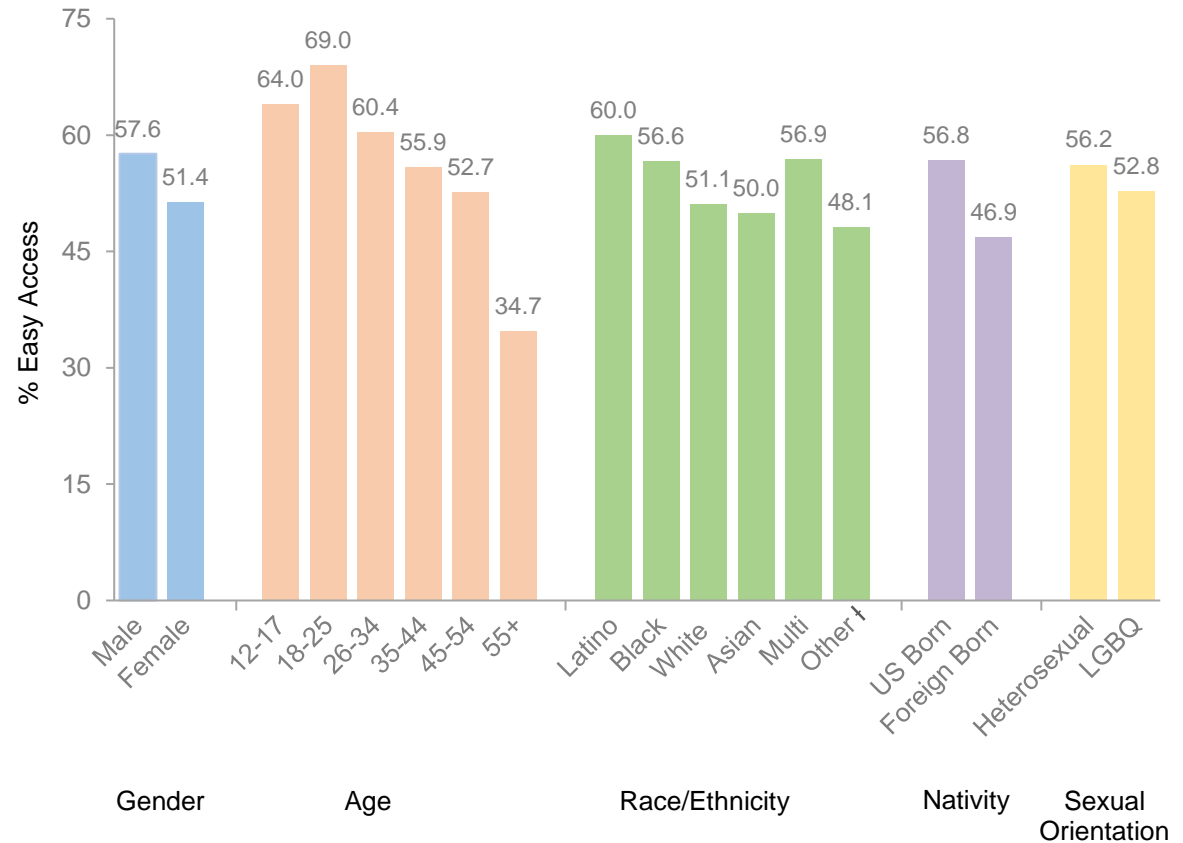
How **easy** is it for **you** to get prescription medication without a prescription? (%Easy)



Area	% Easy Access
Service Planning Area (SPA)	
SPA 1 [†]	61.4
SPA 2	57.1
SPA 3	58.6
SPA 4	50.0
SPA 5 [†]	41.2
SPA 6	58.7
SPA 7	45.6
SPA 8	59.1
Supervisorial District (SD)	
SD 1	60.0
SD 2	49.8
SD 3	50.6
SD 4	57.1
SD 5	54.8

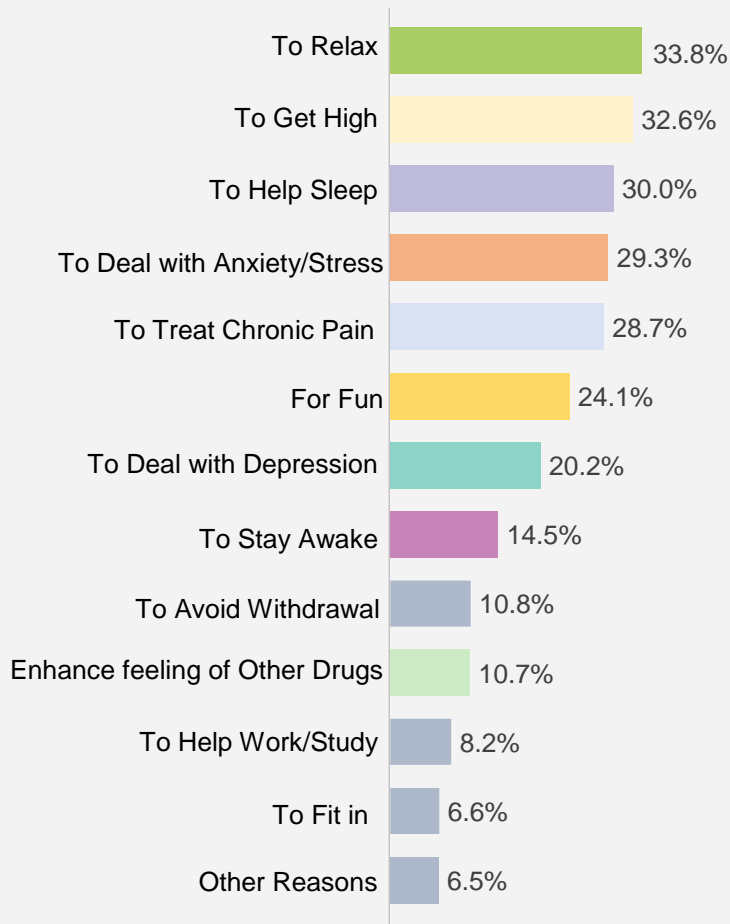
Notes: Only those who had ever misused prescription medication were asked this question. Easy Access includes response options “Very Easy” and “Somewhat Easy”.
[†] The estimate is statistically unstable (sample size ≤ 70); Interpret with caution.

Figure 5. Easy Access to Prescription Medication by Demographics



Reasons for Misuse

For what **reason(s)** did/do you misuse prescriptions medication? (%)



Notes: Respondents selected all choices that applied. Only those who had ever misused prescription medication were asked this question.

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

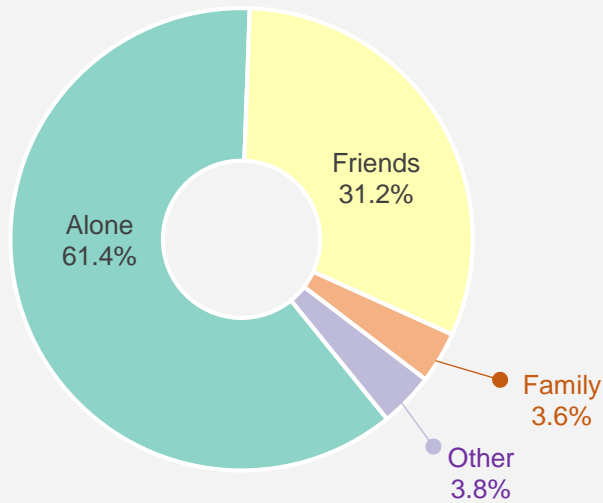
† The estimate is statistically unstable (sample size ≤ 70); Interpret with caution.

Table 1. Common Reasons for Prescription Medication Misuse by Demographics

	Relax	Get High	Sleep	Anxiety/Stress	Pain	Fun	Depression	Enhance Drugs
	Most Common Reasons (%)							
	1st	2nd	3rd	4th	5th			
Gender								
Male		36.7	34.0	28.0	25.8	25.6		
Female		36.5	36.3	33.6	29.7	26.6		
Age								
12-17		46.0	40.8	35.0	34.3	33.8		
18-25		44.4	40.8	37.7	34.2	25.0		
26-34		38.7	35.1	33.4	31.0	29.7		
35-44		36.9	31.8	31.4	24.5	21.1		
45-54		37.6	36.8	34.9	32.3	23.8		
55+		34.4	32.2	31.3	21.4	17.7		
Race/Ethnicity								
Latino		34.2	27.2	25.9	24.6	24.2		
Black		35.6	27.7	26.6	22.6	21.6		
White		43.1	40.4	37.0	31.2	30.9		
Asian		48.6	26.8*	19.6	18.5*	17.7		
Multi		44.3	41.3	41.0	33.9	31.2		
Other †		57.7	31.7*	26.7	24.3*	24.3*		
Nativity								
US Born		37.2	36.1	31.9	28.4	27.8		
Foreign Born		38.8	35.4	25.0	21.2	18.6		
Sexual Orientation								
Heterosexual		33.9	33.9	29.8	26.4	25.9		
LGBQ		46.3	37.0	31.6	31.2	30.8		

Setting of Misuse

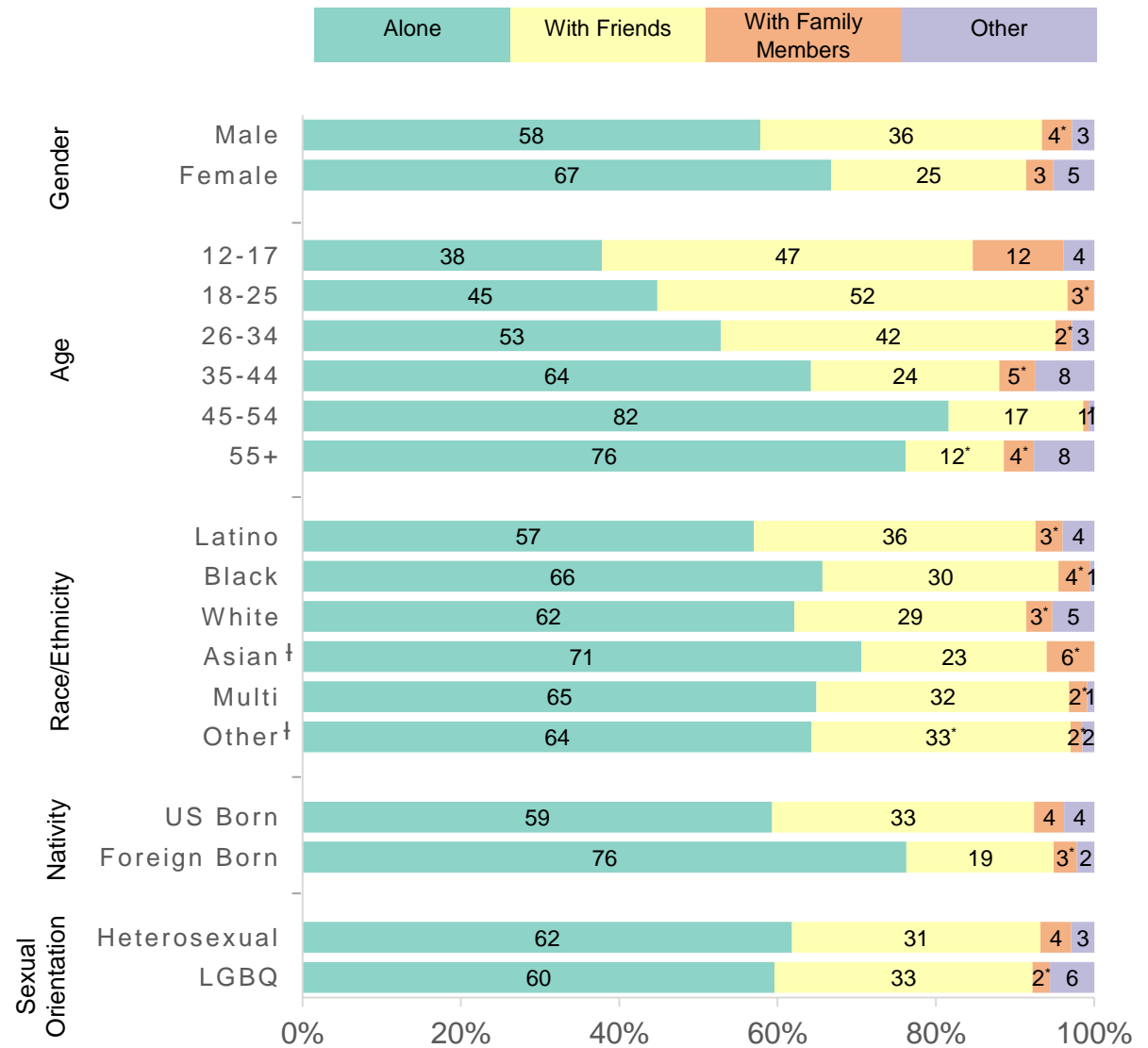
When you misuse prescription medications, do you typically **use alone**, **with friends**, or **with family members**? (%)



Notes: Only those who had ever misused prescription medication were asked this question. "Other" included "all of the above," "varies," "other," "whomever," etc.
 * The estimate is statistically unstable (RSE >30%);
 † The estimate is statistically unstable (sample size ≤ 70); Interpret with caution.

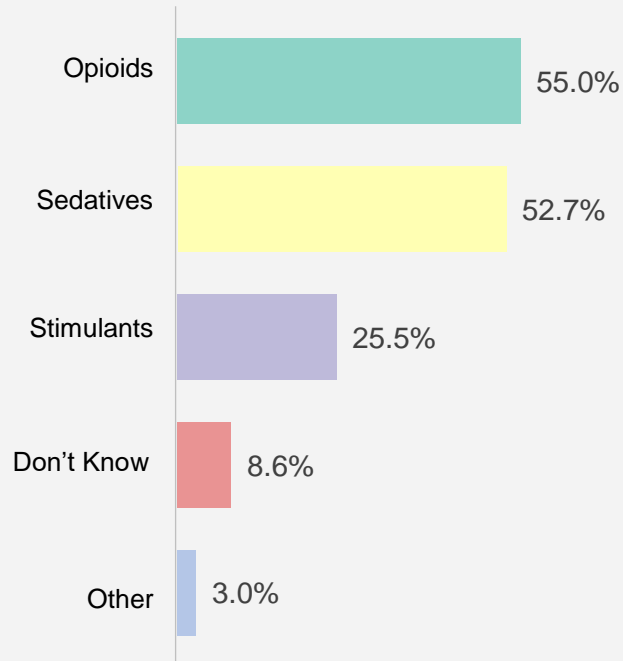


Figure 6. Setting of Prescription Medication Misuse by Demographics (%)



Type of Rx Medication Misused

What type of prescription medication[‡] have you ever misused? (%)



Notes: Only those who had ever misused prescription medication were asked this question.

Respondents selected all choices that applied.

*Opioids include OxyContin, Vicodin, and Demerol.

Sedatives include Xanax, Valium and Ativan.

Stimulants include Adderall, Ritalin and Dexedrine.

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

† The estimate is statistically unstable (sample size ≤ 70);

Interpret with caution.

Table 2. Common Prescription Medications Misused by Demographics

	Most Common Prescription Medication Misused				
	Opioids	Sedatives	Stimulants	Don't Know	Other
	1st	2nd	3rd	4th	5th
Gender					
Male	61.0	51.7	27.7	7.6	3.1
Female	54.2	46.7	22.4	10.1*	2.9
Age					
12-17	54.9	32.6	25.2	14.7	8.8
18-25	60.6	53.0	42.1	3.9*	2.4*
26-34	63.5	57.1	36.6	7.7	0.3*
35-44	60.6	46.5	19.2	5.6*	5.5*
45-54	58.0	51.1	11.0*	10.2*	3.0*
55+	49.5	46.8	17.1	13.0*	1.7*
Race/Ethnicity					
Latino	49.7	48.8	19.0	13.4	4.8
Black	60.1	41.0	15.4	2.8*	2.8*
White	65.4	62.6	33.9	2.1*	1.9*
Asian	37.0	32.0*	22.9*	21.3*	0.2*
Multi	59.1	58.6	29.7	4.6*	3.1*
Other †	55.6	52.0	27.4*	1.2*	1.0*
Nativity					
US Born	60.4	55.6	28.4	4.6	2.6
Foreign Born	36.9	34.6	28.3*	13.5	5.5*
Sexual Orientation					
Heterosexual	54.6	52.3	25.0	9.8	3.0
LGBQ	64.1	56.8	30.7	3.5*	2.3*

Misuse with Alcohol or Other Drugs

Have you ever misused prescription medication with **alcohol or other drugs**? (% Yes)

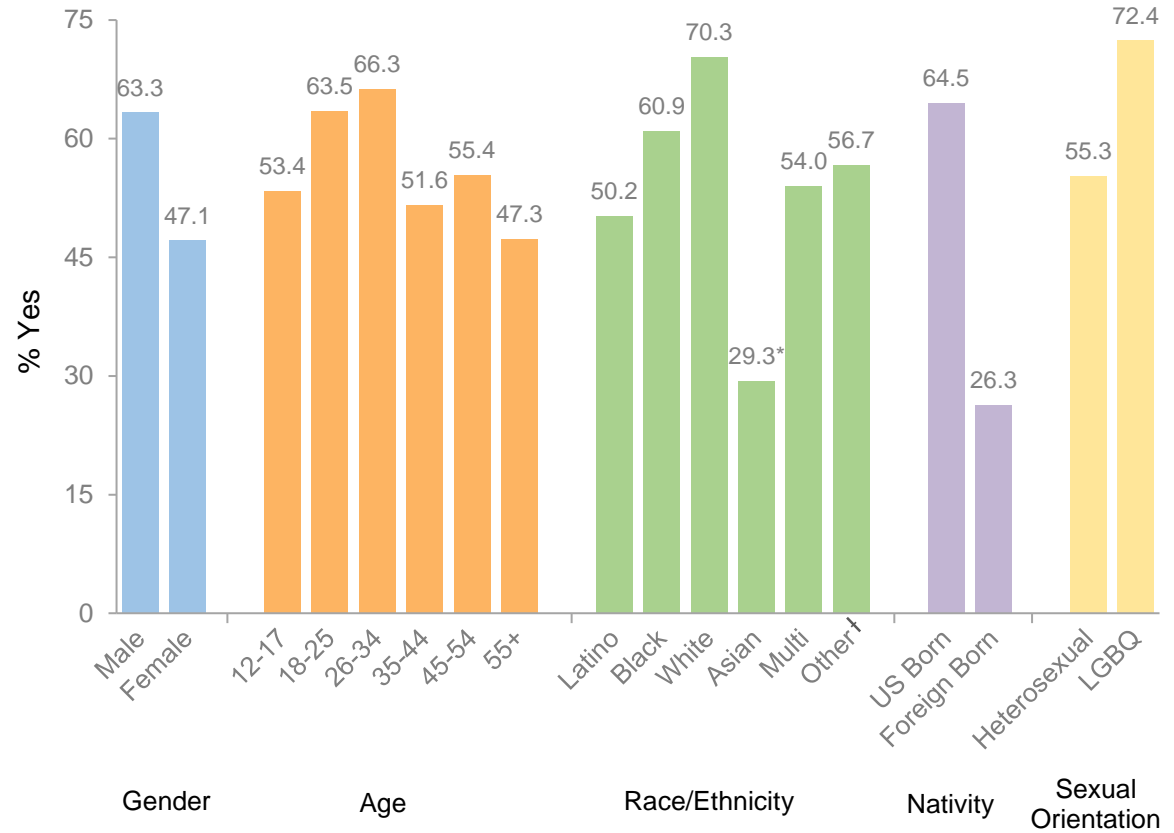


Area	% Yes
Service Planning Area (SPA)	
SPA 1†	52.5
SPA 2	52.8
SPA 3	74.6
SPA 4	50.5
SPA 5†	72.7
SPA 6	46.3
SPA 7	53.1
SPA 8	33.4*
Supervisory District (SD)	
SD 1	61.5
SD 2	43.0
SD 3	58.3
SD 4	44.5
SD 5	65.8



Notes: Only those who had ever misused prescription medication were asked this question.
 * The estimate is statistically unstable (RSE >30%);
 † The estimate is statistically unstable (sample size ≤ 70); Interpret with caution.

Figure 7. Prescription Medication Misused with Alcohol or Other Drugs by Demographics



Source of Rx Medication Misused

Where did/do you obtain prescription medication that you have misused? (%)

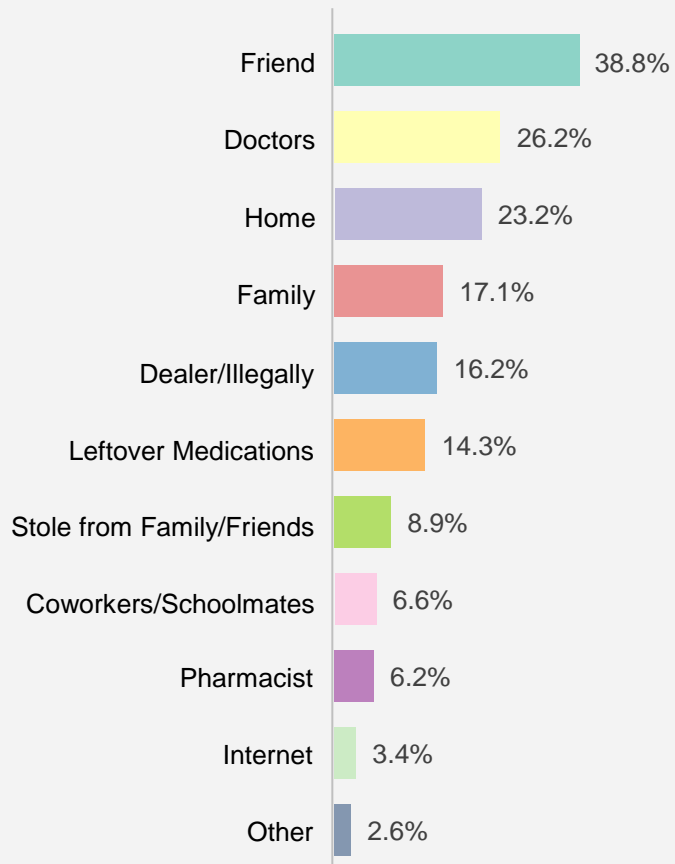
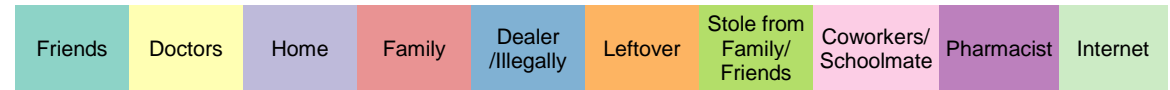


Table 3. Source of Prescription Medication Misused by Demographics



	Most Common Sources (%)						
	1st	2nd	3rd	4th	5th	6th	7th
Gender							
Male	41.1	25.0	21.7	17.9	14.9	11.8	11.5
Female	35.4	27.9	25.5	20.3	17.9	13.8	5.9
Age							
12-17	37.6	27.4	21.7	20.5	10.7	10.6	10.4
18-25	51.0	27.3	16.2	15.8	12.7	9.9	7.9
26-34	44.3	26.4	23.5	18.8	18.7	14.2	10.5
35-44	43.0	29.7	21.5	14.8	14.2	10.8 *	7.6 *
45-54	34.6	34.3	28.5	23.8	14.6	13.2 *	10.4 *
55+	34.2	22.4	22.1	20.6	18.9	8.6	5.4 *
Race/Ethnicity							
Latino	40.0	21.7	20.9	16.9	15.6	10.6	8.0
Black	30.6	20.1	19.2	18.9	17.6	11.4	7.7
White	41.2	34.3	20.3	19.5	19.2	15.8	11.4
Asian	43.0 *	32.6	22.7 *	17.2	8.6 *	7.2 *	5.4 *
Multi	31.3	27.4	24.8	22.0	17.7	13.2 *	7.5 *
Other †	63.0	19.2 *	11.2 *	8.2 *	6.5 *	5.6 *	5.4 *
Nativity							
US Born	40.9	26.9	21.5	18.1	17.7	14.3	9.6
Foreign Born	33.3 *	27.8	22.1	15.9 *	15.4 *	8.2	7.3 *
Sexual Orientation							
Heterosexual	38.5	26.5	23.9	17.8	17.1	12.6	9.1
LGBQ	43.1	25.8	19.6	18.7	15.5 *	13.3	9.3

Notes: Only those who had ever misused prescription medication were asked this question.

Respondents selected all choices that applied.

“Other” included “Rehab,” “Mail Order,” “Streets,” “Pharmacy not in US,” etc.

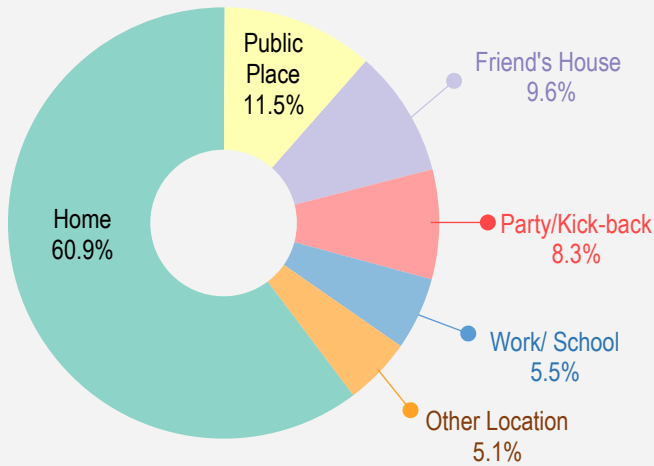
* The estimate is statistically unstable (RSE >30%);

† The estimate is statistically unstable (sample size ≤ 70);

Interpret with caution.

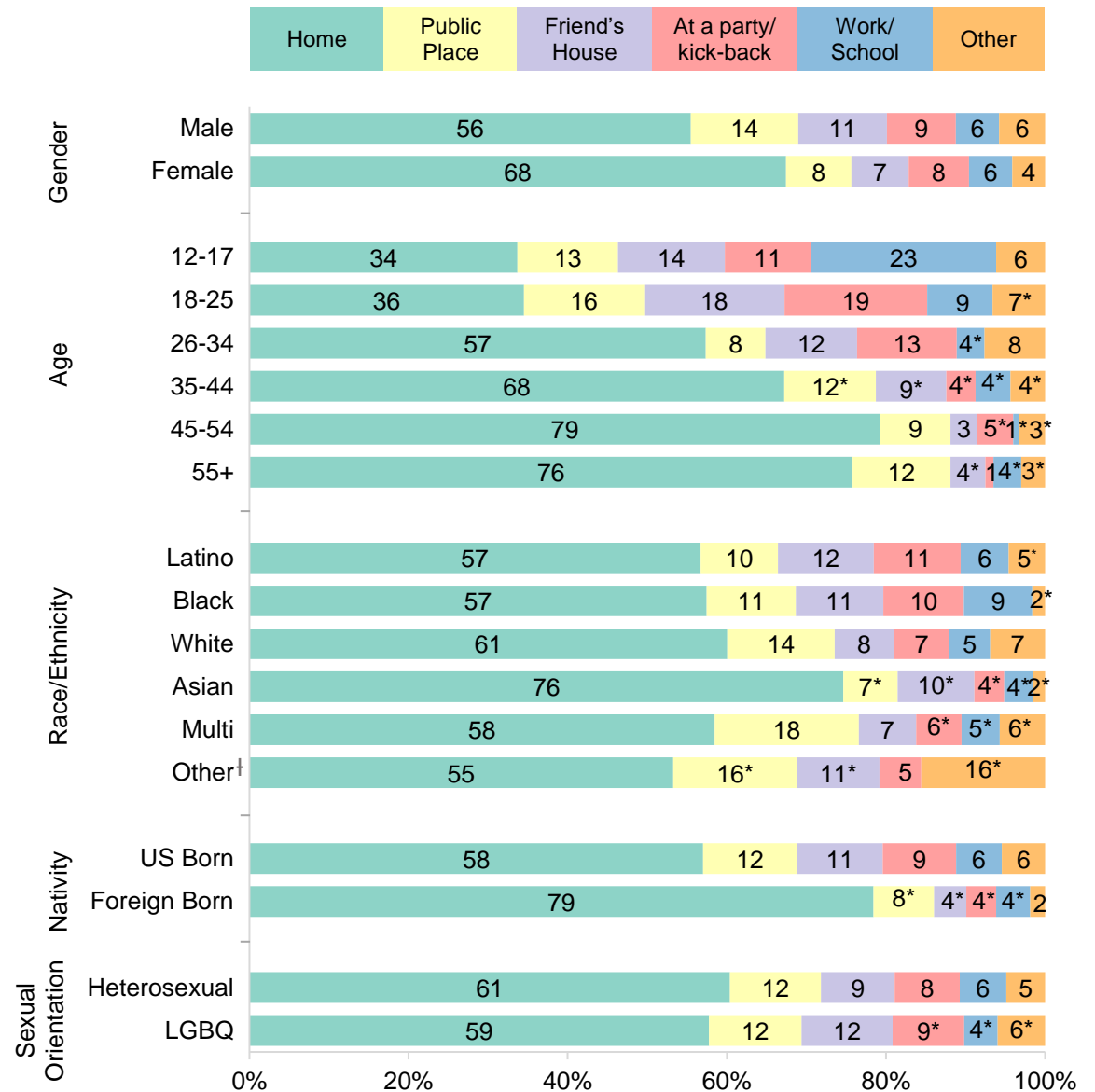
Place of Last Rx Medication Misuse

Please indicate the **last place** you misused prescription medication: (%)



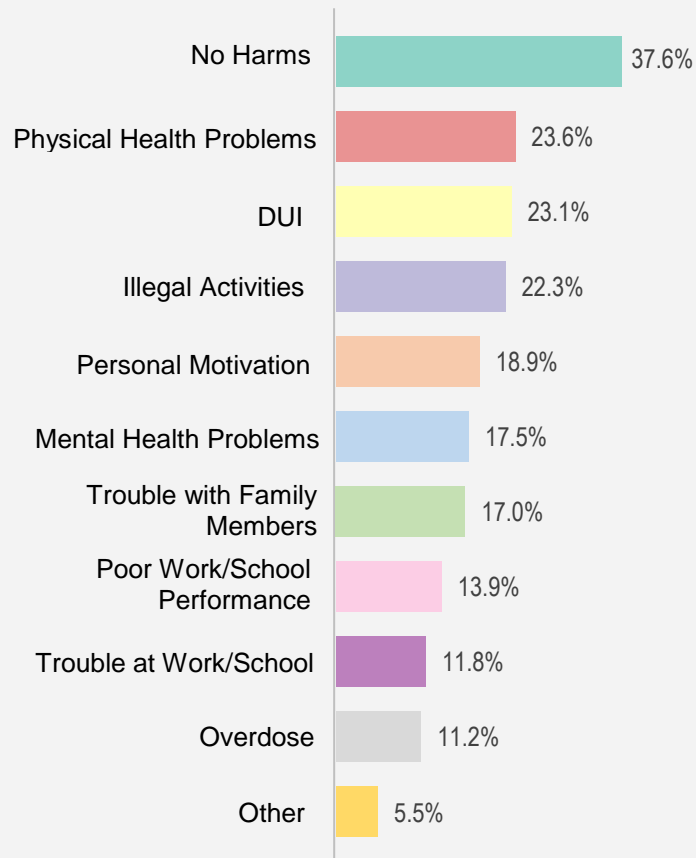
Notes: Only those who had ever misused prescription medication were asked this question.
 "Public Place" included indoor and outdoor public places such as "Coachella festival," "camping trip," "commercial set," "hospital," and "Navy."
 "Other" included "Jail," "rehab," and "everywhere," etc.
 * The estimate is statistically unstable (RSE >30%);
 † The estimate is statistically unstable (sample size ≤ 70); Interpret with caution.

Figure 8. Location of Prescription Medication Misuse by Demographics



Harms from Misusing Rx Medications

In what ways did your prescription medication misuse cause harm? (%)



Notes: Only those who had ever misused prescription medication 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," "physical altercation," "jail," etc.

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

Table 4. Common Harms Reported from Prescription Medication Misuse by Demographics

	No Harms	Physical health	DUI	Illegal Activities	Motivation	Mental health	Family trouble	Perform poorly	Work/school	Overdose	Other
Most Common Harms Reported (%)											
					1st	2nd	3rd	4th	5th	6th	7th
Gender											
Male					39.0	25.2	24.6	20.6	17.6	17.4	14.9
Female					35.6	27.7	23.1	20.7	20.1	19.0	16.5
Age											
12-17					35.9	22.4	21.5	20.2	19.7	19.4	15.2
18-25					35.9	27.7	23.7	21.2	18.0	15.5	15.4
26-34					39.8	24.6	22.5	21.0	18.4	14.7	9.8*
35-44					40.3	21.1	20.8	20.2	20.2	19.7	17.0
45-54					34.7	34.4	32.6	25.9	25.2	23.6	21.7
55+					39.2	25.0	20.8	20.1	19.0	15.1	15.0
Race/ Ethnicity											
Latino					40.1	20.9	19.1	18.4	13.3	11.7	11.4
Black					29.7	25.9	22.2	18.6	12.9	12.9*	12.8
White					38.9	28.0	26.9	25.8	25.7	23.2	21.9
Asian					38.9	30.9	26.9	18.6*	15.6	13.5*	11.0*
Multi					31.5	27.8	24.5	19.4	19.3	19.3	14.2*
Other [†]					33.1*	31.5*	26.8*	24.9*	23.3*	21.1*	18.6*
Nativity											
US Born					38.4	23.7	23.6	22.6	19.7	17.3	16.4
Foreign Born					33.3	31.2	22.5*	21.2	19.0	18.0	18.0
Sexual Orientation											
Heterosexual					37.6	24.9	23.8	23.3	20.5	18.0	16.7
LGBQ					38.7	21.5	20.1	19.2	15.9	13.4	13.3

Used Rx Medication Before or During Work/School

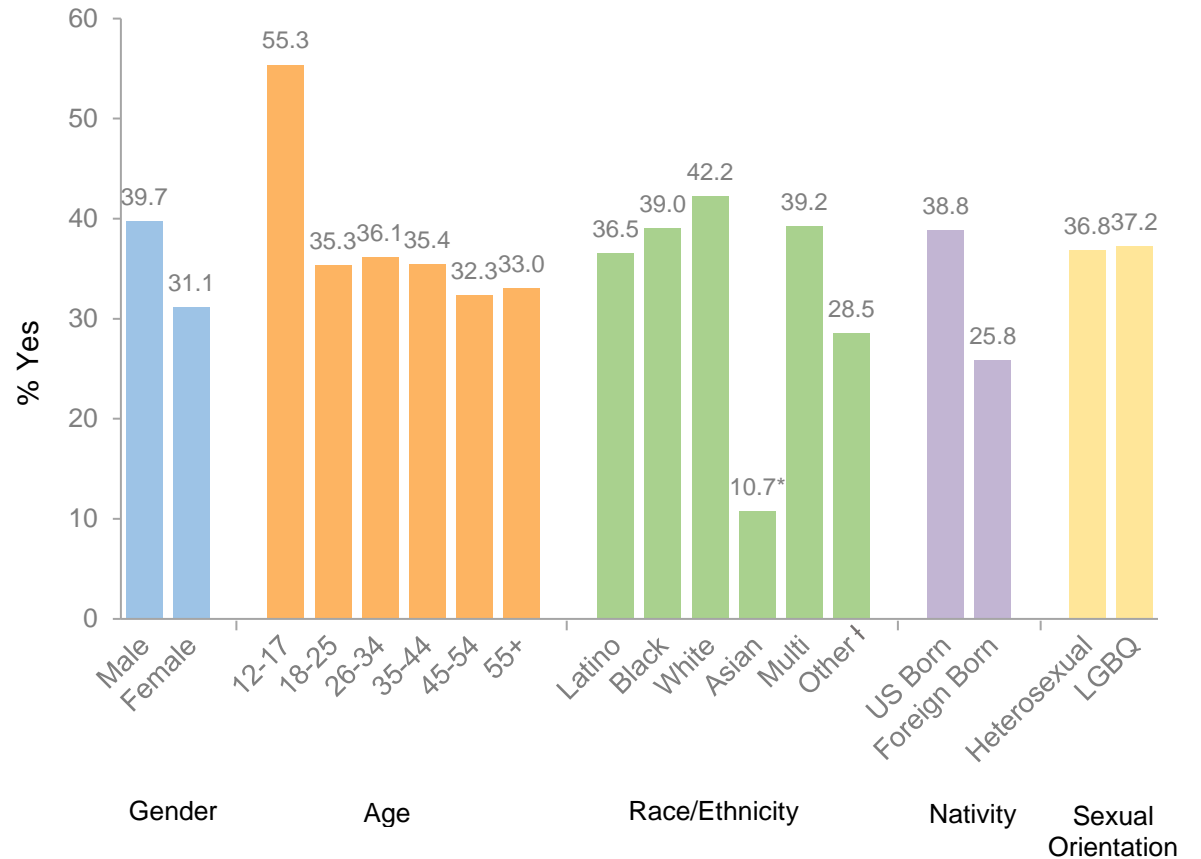
Have you ever misused prescription medication before or during **work/school**? (%Yes)



Area	% Yes
Service Planning Area (SPA)	
SPA 1 †	44.6
SPA 2	36.3
SPA 3	44.9
SPA 4	29.1
SPA 5 †	34.9
SPA 6	30.4
SPA 7	41.4
SPA 8	18.2
Supervisorial District (SD)	
SD 1	47.0
SD 2	27.8
SD 3	32.7
SD 4	24.1
SD 5	39.8

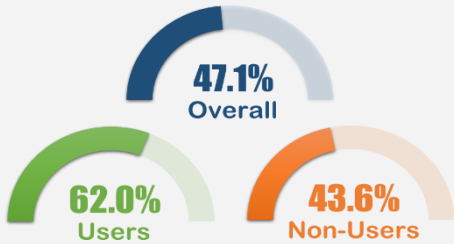
Notes: Only those who had ever misused prescription medication were asked this question. Adults were asked if they had gone to *work*, and youth were asked if they had gone to *school* under the influence of prescription medication.
 * The estimate is statistically unstable (RSE >30%);
 † The estimate is statistically unstable (sample size ≤ 70); Interpret with caution.

Figure 9. Used Prescription Medication Before or During Work/School by Demographics



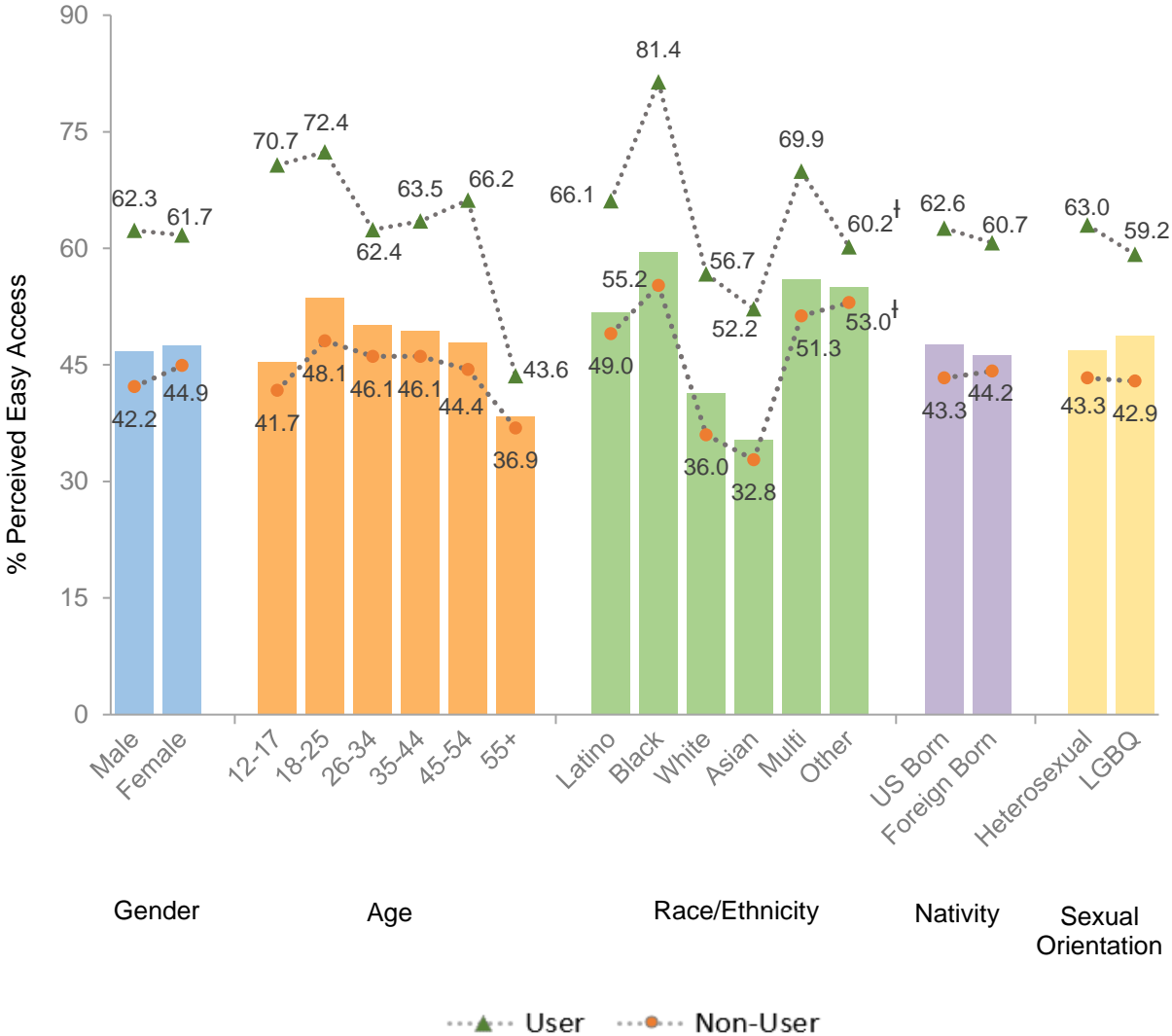
Perceived Easy Access

How **easy** is it for **someone** to get prescription medication on the street around your neighborhood? (%Easy)



Area	% Easy Access		
	All	Users	Non-Users
Service Planning Area (SPA)			
SPA 1	57.9	77.8 †	52.2
SPA 2	50.0	69.2	46.4
SPA 3	42.2	63.6	37.1
SPA 4	49.0	56.2	47.1
SPA 5	36.6	49.3 †	32.7
SPA 6	57.9	71.1	54.9
SPA 7	47.5	59.3	45.3
SPA 8	45.6	61.3	41.7
Supervisorial District (SD)			
SD 1	52.1	68.2	48.9
SD 2	52.2	66.1	49.0
SD 3	45.5	55.9	42.7
SD 4	42.3	59.7	37.9
SD 5	44.2	61.6	40.1

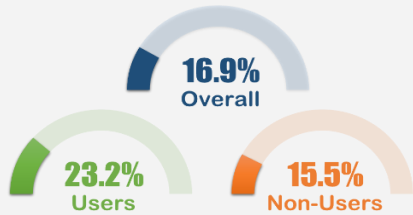
Figure 10. Perceived Easy Access to Prescription Medication by Demographics



Notes: Users included those who had ever misused prescription medication. Non-Users included those who had never misused prescription medication. Easy access included response options “very easy” and “somewhat easy”.
† The estimate is statistically unstable (sample size ≤ 70). Interpret with caution.

Perceived Problem in Neighborhood

How much of a **problem** is prescription medication misuse in your neighborhood? (%Major Problem)



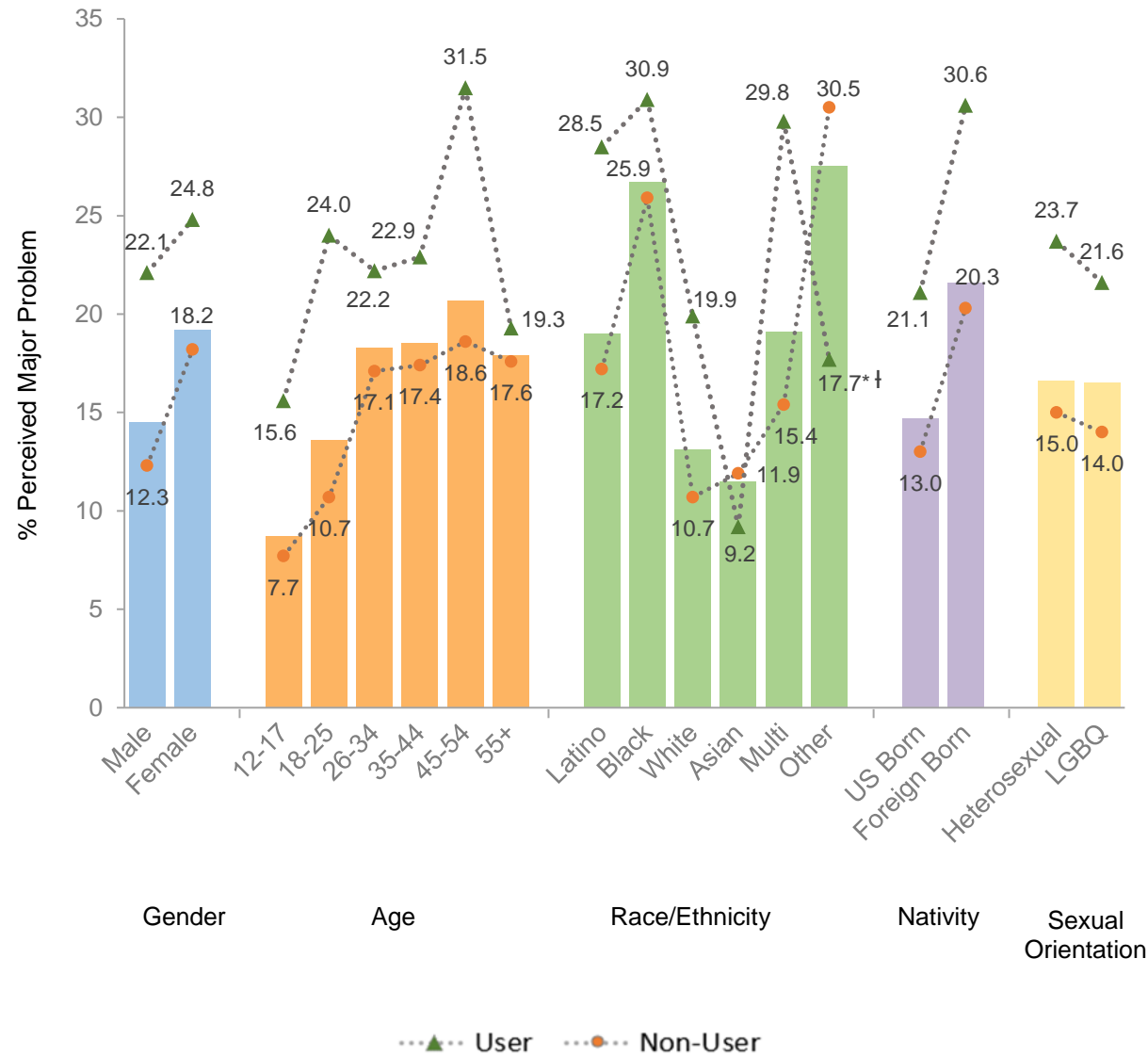
Area	%Major Problem		
	All	User	Non-User
Service Planning Area (SPA)			
SPA 1	20.8	41.2 [†]	14.6
SPA 2	16.5	24.9	15.0
SPA 3	10.0	17.5	8.2
SPA 4	21.0	27.4 [*]	19.4
SPA 5	16.6	18.2 [†]	16.2
SPA 6	27.5	35.2	25.9
SPA 7	14.8	21.6	13.5
SPA 8	18.7	16.3	19.3
Supervisory District (SD)			
SD 1	21.2	32.9	19.0
SD 2	22.4	29.8	20.6
SD 3	16.5	19.5	15.8
SD 4	14.8	12.9	15.3
SD 5	10.8	21.4	8.3

Notes: Users included those who had ever misused prescription medication. Non-Users included those who had never misused prescription medication.

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

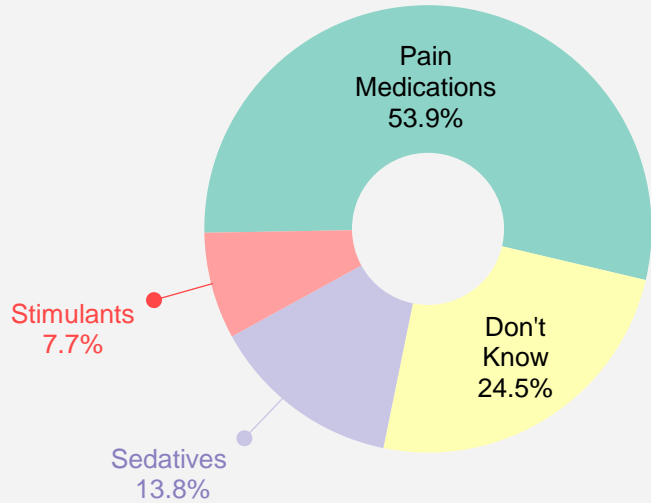
† The estimate is statistically unstable (sample size ≤ 70); Interpret with caution.

Figure 11. Perceived Major Problem in Neighborhood by Demographics



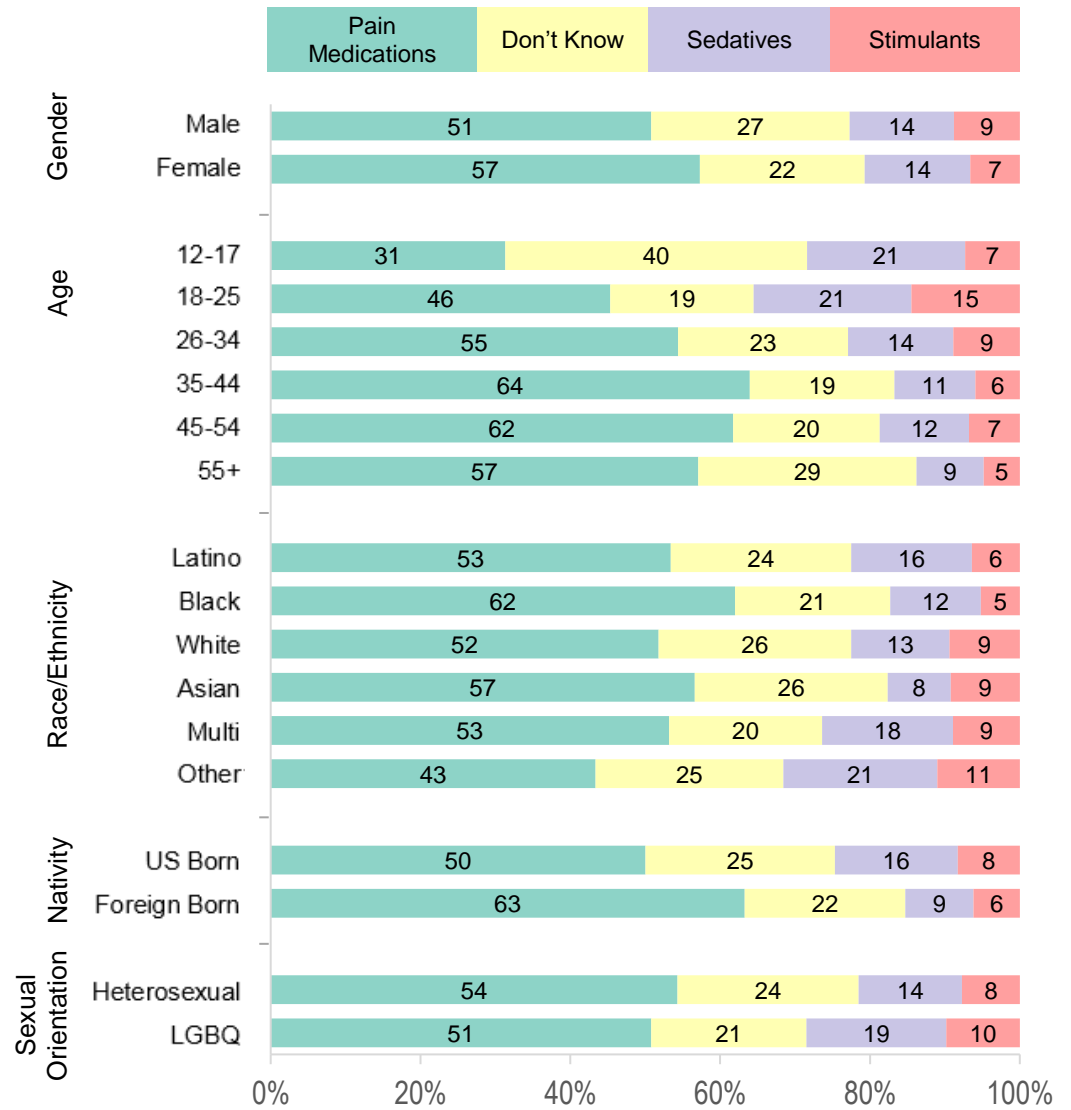
Perceived Most Commonly Misused Rx Medications

In your opinion, which of the following prescription medications* are most **commonly misused** in your community?(%)



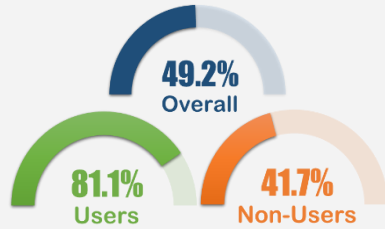
* Pain medications include OxyContin, Vicodin, and Tylenol with codeine.
Stimulants include Adderall, Ritalin and Concerta.
Sedatives include Benzos, Ambien, Xanax and Valium.

Figure 12. Perceived Commonly Misused Prescription Medications by Demographics



Know Someone Who Misused Rx Medication

Do you know **someone** who has **misused** prescription medication to **get high** (or other reasons)? (%Yes)

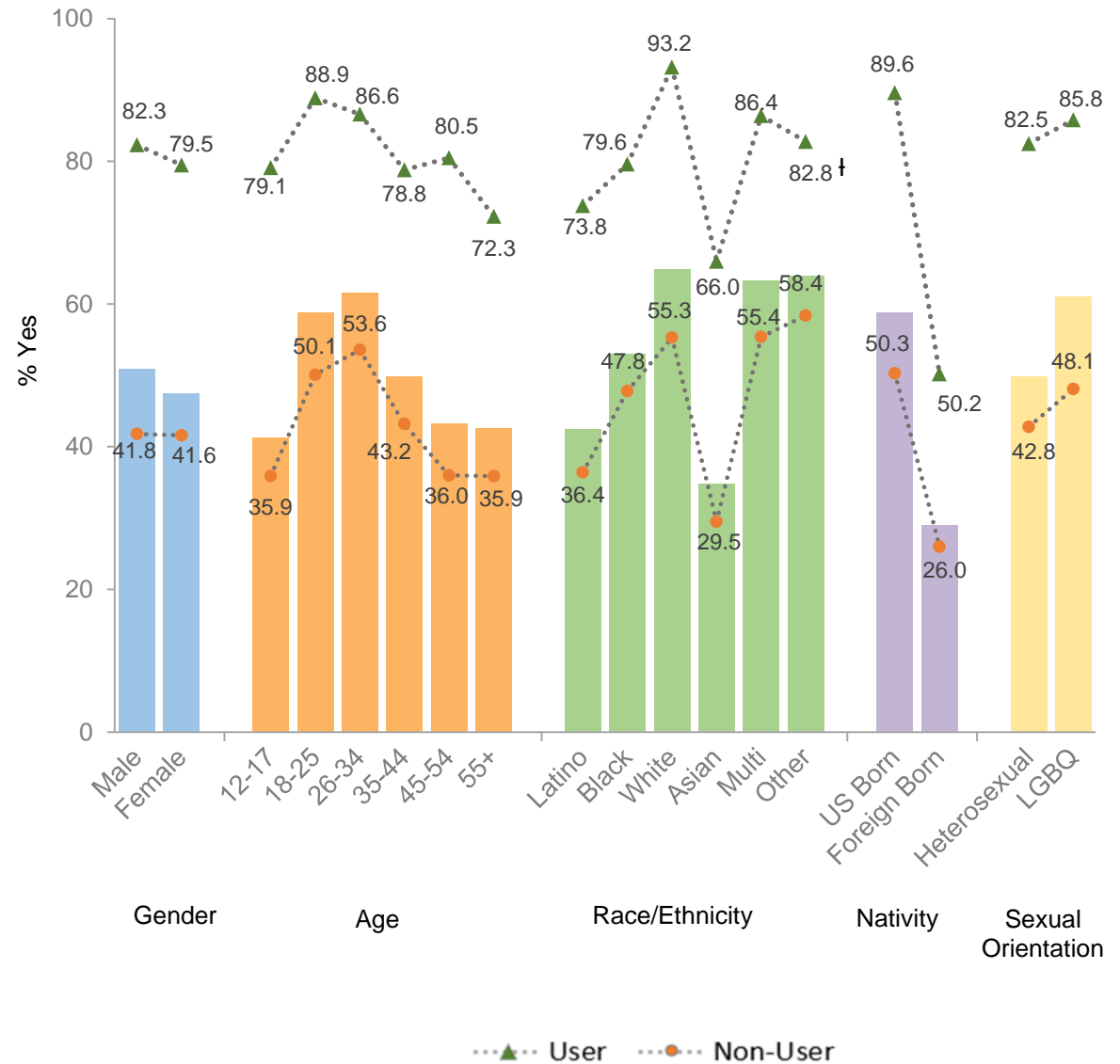


Area	%Yes		
	All	User	Non-User
Service Planning Area (SPA)			
SPA 1	70.0	93.4 †	62.9
SPA 2	46.6	83.2	39.9
SPA 3	53.3	92.8	43.9
SPA 4	45.6	74.6	38.2
SPA 5	60.2	95.5 †	51.3
SPA 6	50.3	78.2	44.1
SPA 7	41.7	77.8	35.0
SPA 8	45.5	69.8	39.0
Supervisory District (SD)			
SD 1	46.5	83.5	39.4
SD 2	48.6	73.5	42.5
SD 3	51.3	88.2	42.6
SD 4	43.5	72.4	36.2
SD 5	55.4	91.7	46.8

Notes: Users included those who had ever misused prescription medication. Non-Users included those who had never misused prescription medication.

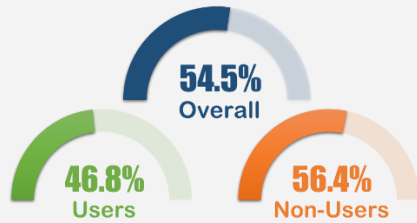
† The estimate is statistically unstable (sample sizes ≤ 70); Interpret with caution.

Figure 13. Know Someone Who Misused Prescription Medication by Demographics



Perceived Risk of Harm to Youth

How much do you think **youth risk** harming themselves if they misuse prescription medication occasionally (about once a month)? (%Great Risk)

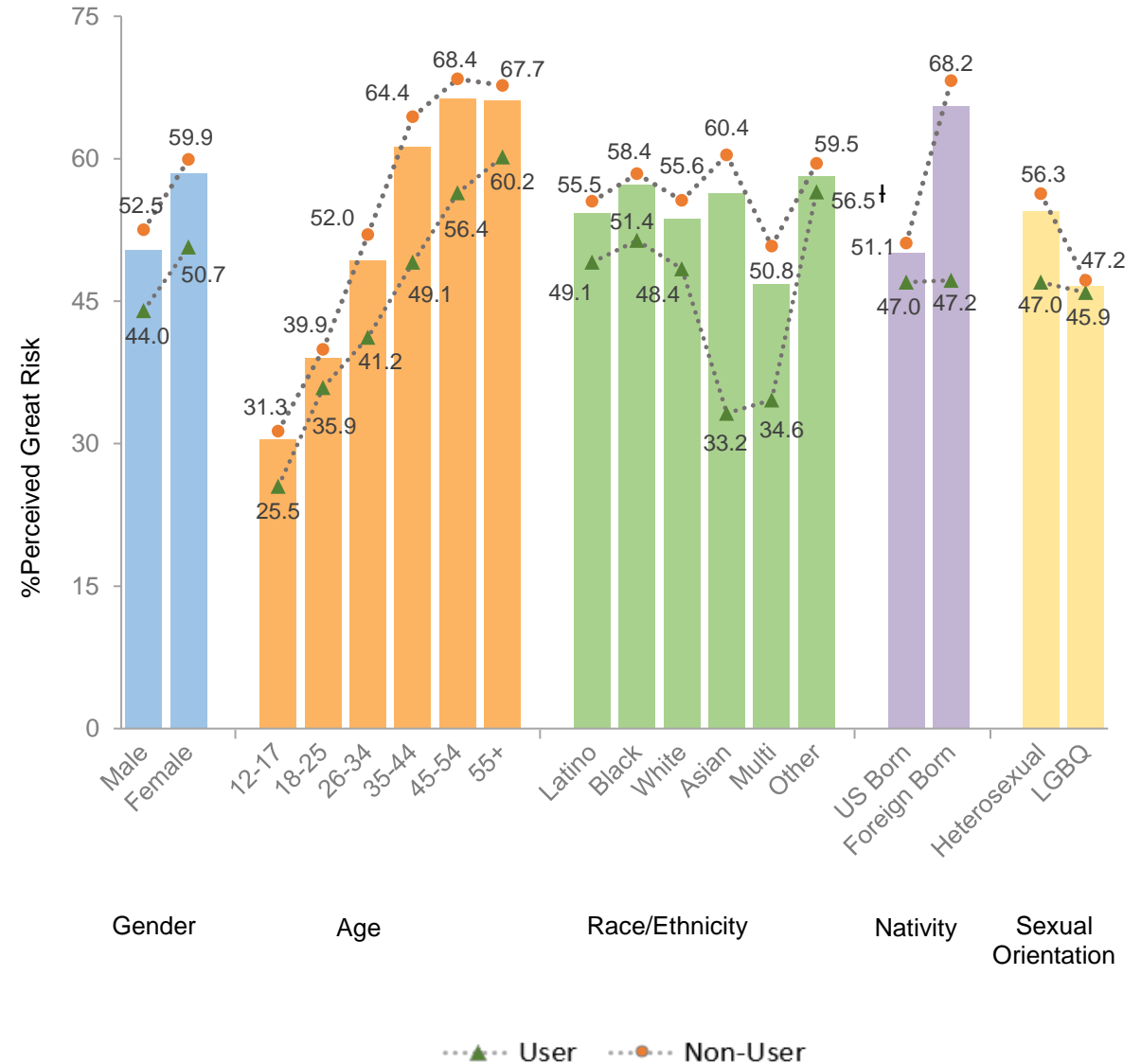


Area	% Great Risk		
	All	Users	Non-Users
Service Planning Area (SPA)			
SPA 1	60.8	64.9†	59.6
SPA 2	51.6	41.4	54.1
SPA 3	55.2	51.7	56.1
SPA 4	54.7	45.2	57.1
SPA 5	50.9	40.3†	54.2
SPA 6	51.2	35.5	54.7
SPA 7	61.2	53.3	62.7
SPA 8	63.6	54.2	66.1
Supervisory District (SD)			
SD 1	58.3	56.7	58.6
SD 2	53.2	40.9	56.2
SD 3	53.3	42.8	56.4
SD 4	61.2	51.6	63.6
SD 5	54.9	48.9	56.4



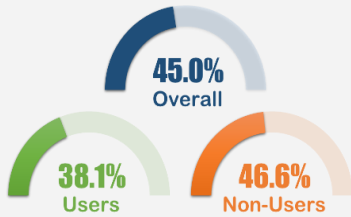
Notes: Users included those who had ever misused prescription medication. Non-Users included those who had never misused prescription medication. Occasional misuse was defined as using about once a month.
† The estimate is statistically unstable (sample size ≤ 70); Interpret with caution.

Figure 14. Perceived Great Risk for Youth Occasionally Misusing Rx Medications by Demographics



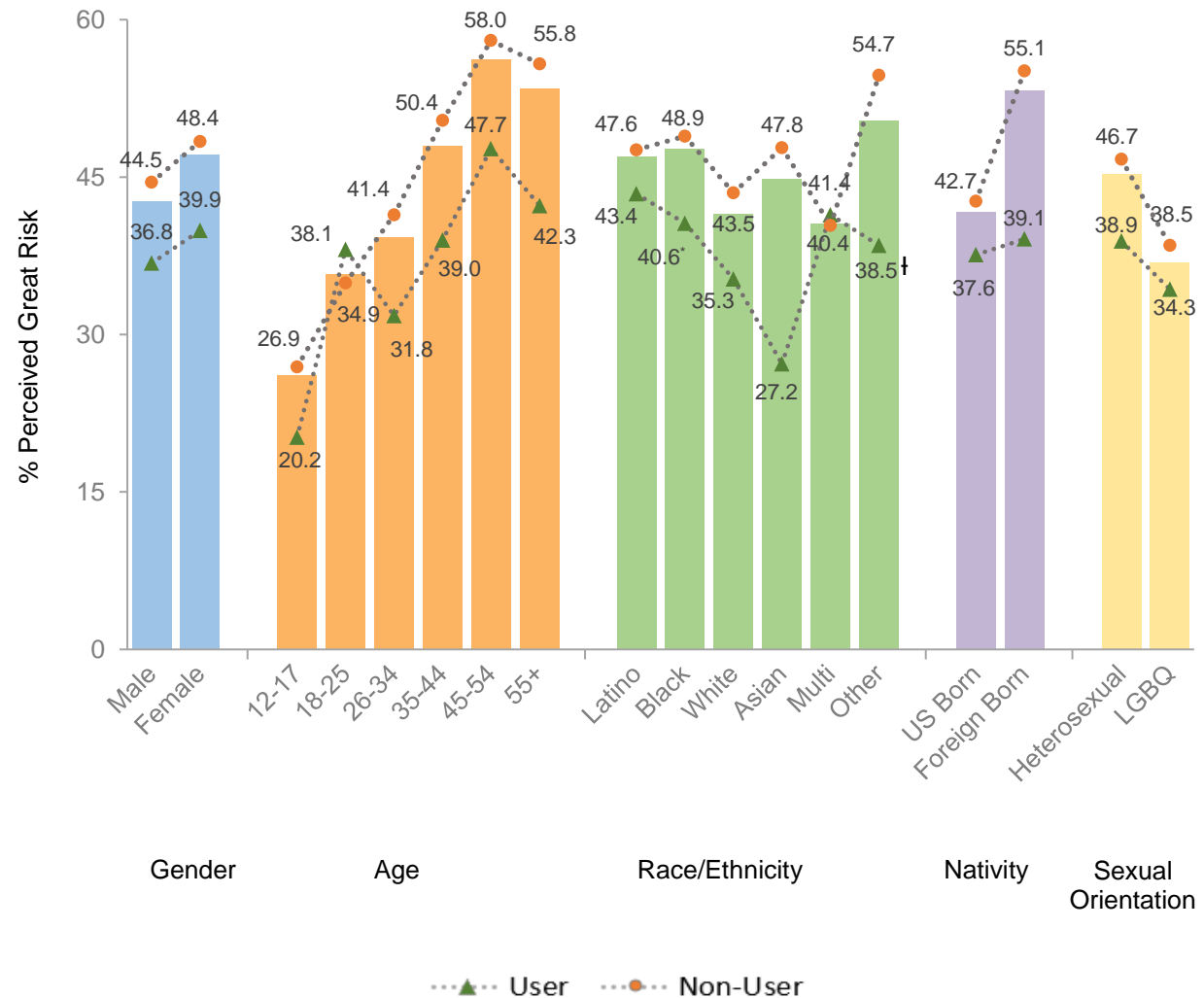
Perceived Risk of Adult Harm

How much do you think **adults risk** harming themselves if they misuse prescription medication (about once a month)? (%Great Risk)



Area	% Great Risk		
	All	Users	Non-Users
Service Planning Area (SPA)			
SPA 1	43.8	47.4 †	42.8
SPA 2	42.7	38.5	43.9
SPA 3	47.0	43.9	47.8
SPA 4	44.2	37.0	46.0
SPA 5	34.5	23.3 †	36.7
SPA 6	47.3	43.7	47.7
SPA 7	50.7	37.2	53.2
SPA 8	51.5	40.6	54.4
Supervisory District (SD)			
SD 1	49.6	48.6	49.7
SD 2	47.0	41.6	48.1
SD 3	39.0	34.7	40.0
SD 4	48.8	34.2	52.5
SD 5	45.6	37.7	47.5

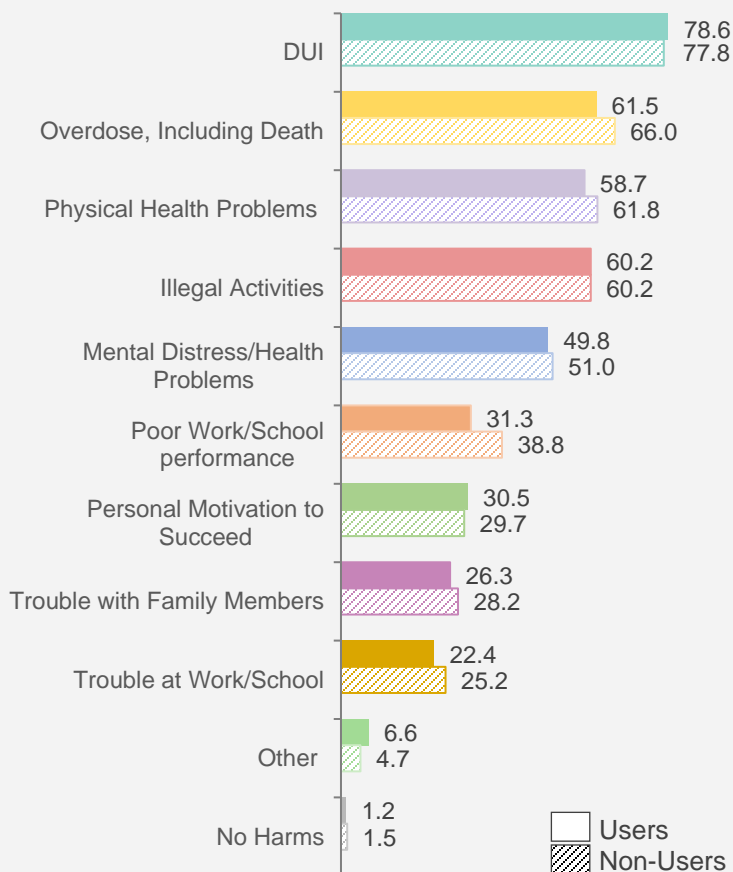
Figure 15. Perceived Great Risk for Adults Occasionally Misusing Rx Medications by Demographics



Notes: Users included those who had ever misused prescription medication. Non-Users included those who had never misused prescription medication. Occasional misuse was defined as using about once a month.
† The estimate is statistically unstable (sample size ≤ 70); Interpret with caution.

Perceived Harms

In what ways do you think prescription medication misuse can **cause harm**? (%)



Notes: Only those who had ever misused prescription medication were asked this question.

Respondents selected their top 5 choices.

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

“Other” included “all of the above,” “gateway drug,” “suicide/self harm,” etc.

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

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

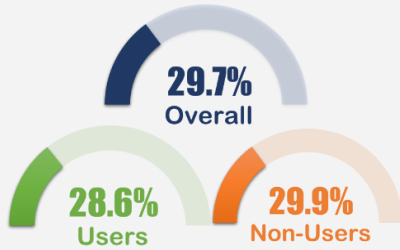
Table 5. Perceived Harms of Prescription Medication Misuse by Demographics

	DUI	Overdose	Physical Health	Illegal Activities	Mental Health	Perform Poorly	Personal Motivation	Family Trouble	Work/School	Other	No Harms
--	-----	----------	-----------------	--------------------	---------------	----------------	---------------------	----------------	-------------	-------	----------

	Most Common Perceived Harm (%)											
	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	
Overall	77.9	65.1	61.2	60.3	50.7	37.5	29.9	27.9	24.8	5.0	1.5	
Gender												
Male	75.2	61.1	58.7	57.5	45.7	37.3	29.9	29.0	26.1	5.5	1.6	
Female	80.6	71.3	64.7	59.5	55.6	37.6	29.8	26.8	23.5	4.6	1.4	
Age												
12-17		62.7	60.8	58.6	56.8	49.7	34.6	29.1	27.3	26.1	6.3	3.3
18-25	75.9	64.0	60.3	59.6	54.8	34.3	32.7	25.5	22.3	2.9	1.7*	
26-34	80.5	69.0	63.4	61.1	56.3	35.8	31.2	27.1	23.8	4.4	1.5*	
35-44	82.4	68.3	64.0	58.5	54.2	35.0	27.1	25.8	24.2	5.2	0.5*	
45-54	80.2	61.1	59.7	56.2	45.3	38.5	28.3	28.3	22.9	5.9	1.3*	
55+	83.7	66.7	64.0	60.8	46.6	43.9	33.2	32.0	27.0	5.3	1.2*	
Race/Ethnicity												
Latino	75.0	63.9	59.5	57.7	51.2	35.1	29.2	27.4	25.9	5.0	2.0	
Black	77.2	60.0	57.3	51.5	39.3	35.0	23.2	21.8	19.7	5.1	1.9	
White	84.4	68.6	66.3	63.5	52.7	37.9	35.6	27.8	23.8	5.7	1.1*	
Asian	75.7	67.3	64.9	57.5	51.0	45.0	29.9	27.4	25.9	2.9*	0.1*	
Multi	75.3	64.5	64.5	60.9	56.1	41.8	33.8	27.6	22.6	11.0	1.6*	
Other †	73.1	66.4	57.6	56.8	54.3	33.4	32.5	29.0	28.3	13.9	3.3*	
Nativity												
US Born	78.5	66.3	62.1	61.4	51.2	36.5	31.0	26.8	23.7	5.7	1.5	
Foreign Born	78.0	63.9	59.8	57.1	50.1	40.3	30.5	28.0	27.6	3.6	1.3*	
Sexual Orientation												
Heterosexual	78.6	65.2	61.7	60.8	50.1	38.2	29.8	27.6	24.3	4.9	1.5	
LGBQ	75.3	66.6	61.4	56.8	53.6	33.5	32.1	28.3	27.2	6.5	1.5*	

Perceived Safety of Rx Medication

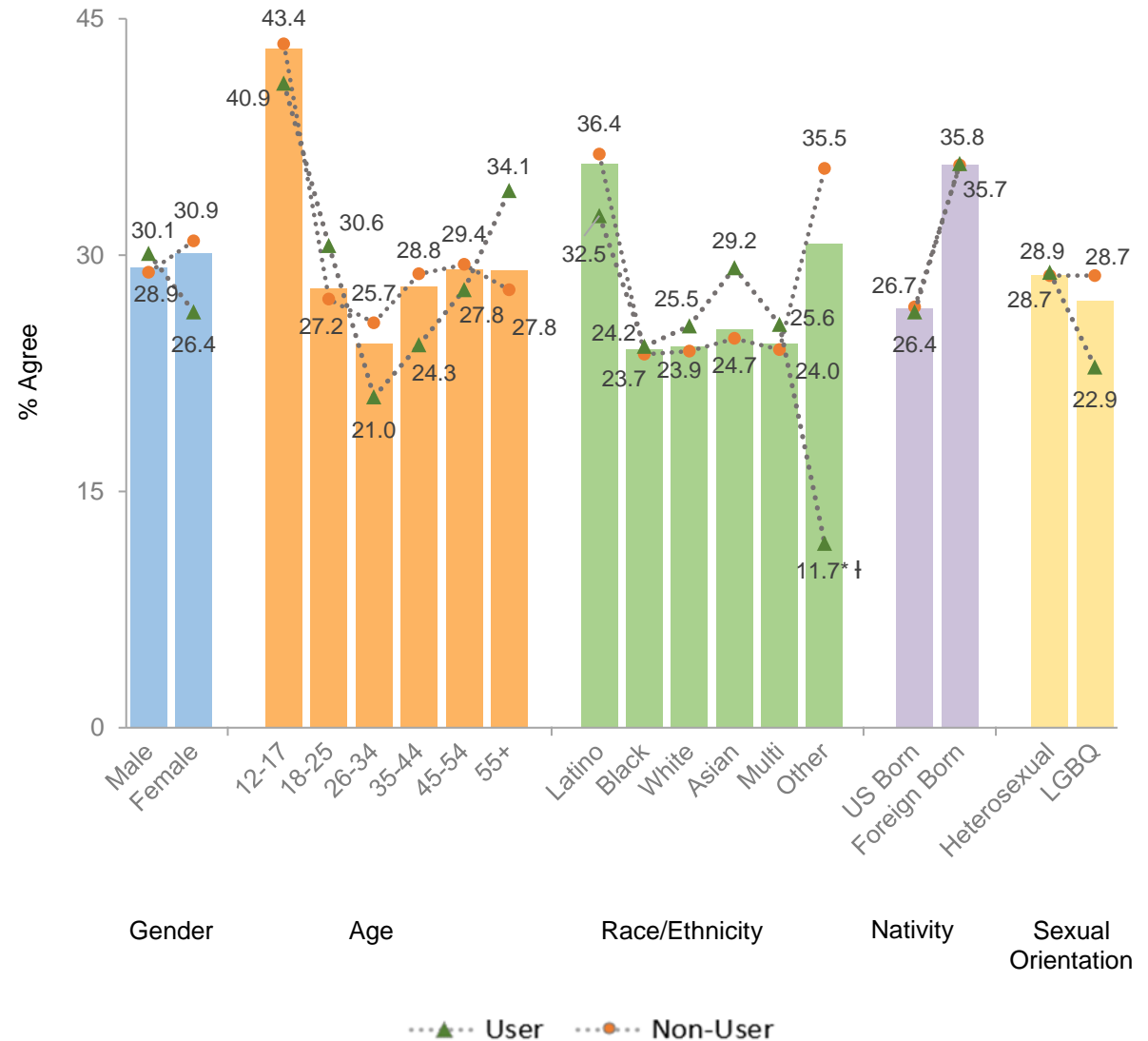
It is safer to use prescription medication to get high than **illegal street drugs**. (%Agree)



Area	% Agree		
	All	Users	Non-Users
Service Planning Area (SPA)			
SPA 1	26.3	20.4 †	28.1
SPA 2	34.9	34.1	34.9
SPA 3	25.7	22.0	26.6
SPA 4	38.1	32.9	39.4
SPA 5	27.9	26.3 †*	28.6
SPA 6	29.3	29.1	29.3
SPA 7	28.8	26.0	29.3
SPA 8	19.8	25.2	18.5
Supervisorial District (SD)			
SD 1	32.3	26.9	33.4
SD 2	30.7	32.5	30.5
SD 3	35.1	27.2	37.0
SD 4	20.7	22.1	20.4
SD 5	26.7	27.7	26.4

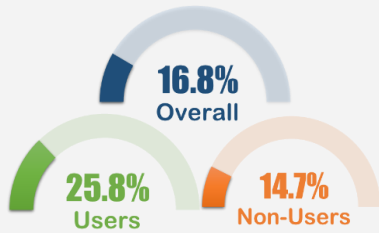
Notes: Users included those who had ever misused prescription medication. Non-Users included those who had never misused prescription medication. Agree includes response options "Agree" and "Strongly Agree".
* The estimate is statistically unstable (RSE >30%);
† The estimate is statistically unstable (sample size ≤ 70); Interpret with caution.

Figure 16. Perceived Safety of Rx Medication by Demographics



Perception on Recommended Dosage

It's OK to take more than the **recommended dosage** if you are feeling more painful than usual. (%Agree)



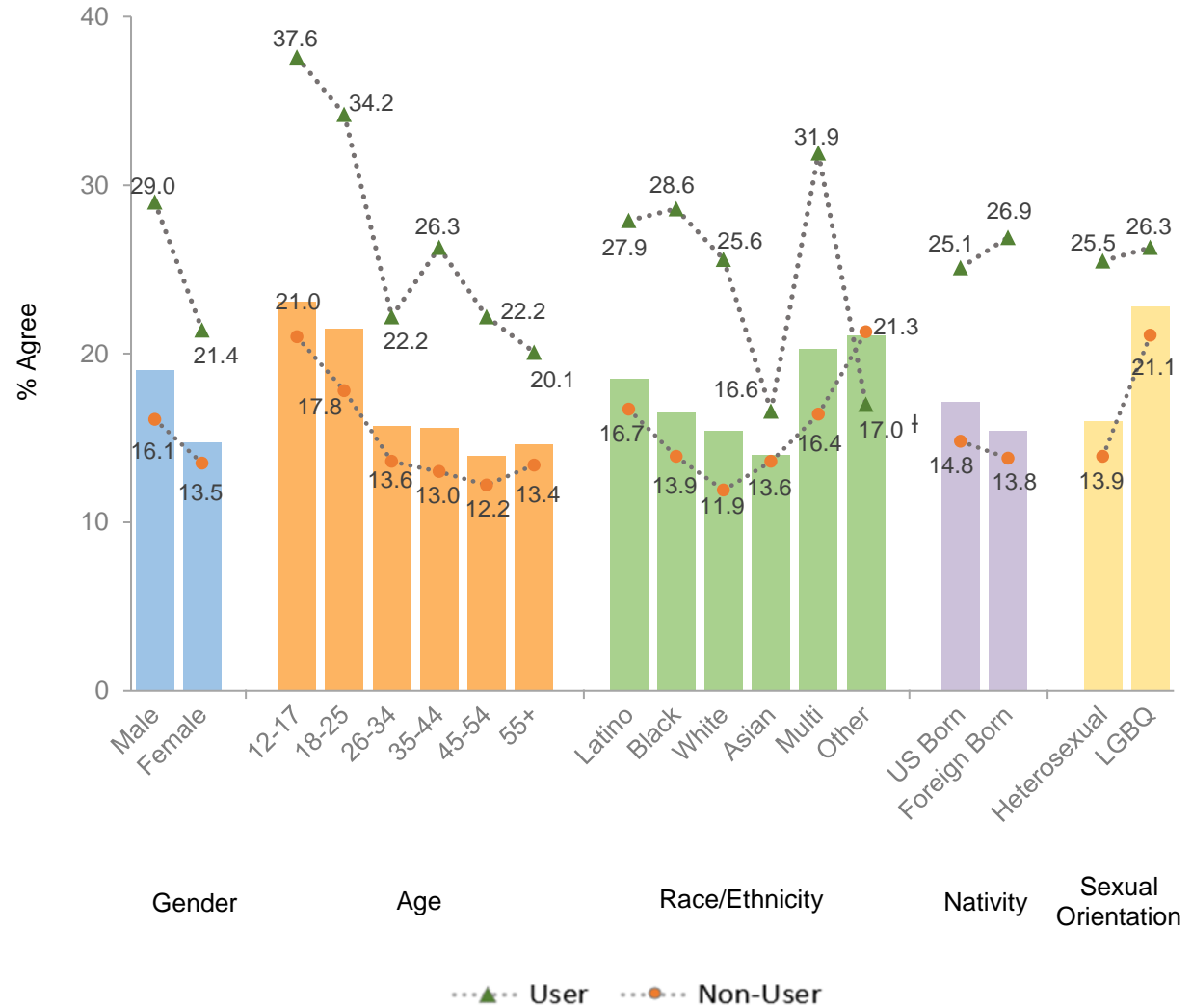
Area	% Agree		
	All	Users	Non-Users
Service Planning Area (SPA)			
SPA 1	14.3	22.6 †*	11.7
SPA 2	13.7	21.2	12.4
SPA 3	16.8	27.7	14.2
SPA 4	21.5	38.2	17.2
SPA 5	14.8	27.9 †	11.6
SPA 6	18.2	28.7	15.8
SPA 7	12.3	24.8	9.9
SPA 8	14.5	13.3	15.0
Supervisory District (SD)			
SD 1	16.2	28.4	13.9
SD 2	19.8	31.1	17.1
SD 3	16.2	29.4	13.2
SD 4	10.8	11.4	10.6
SD 5	16.9	29.5	13.9

Notes: Users included those who had ever misused prescription medication. Non-Users included those who had never misused prescription medication.

Agree includes response options "Agree" and "Strongly Agree".

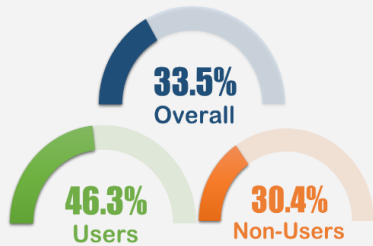
† The estimate is statistically unstable (sample size ≤ 70); Interpret with caution.

Figure 17. Perception on Recommended Dosage of Prescription Medication by Demographics



Unused Rx Medications

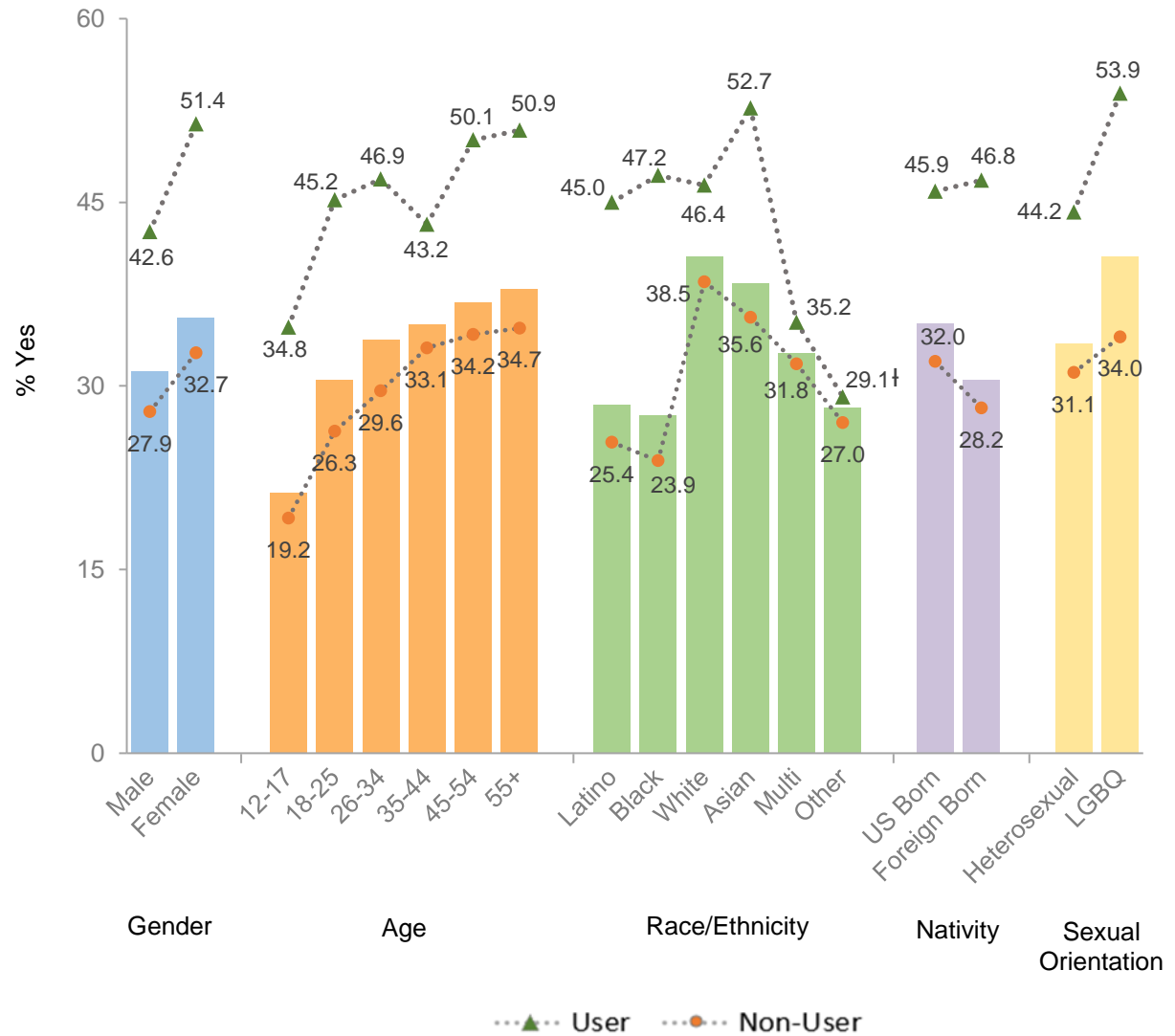
Do you **currently** have **unused or expired** (left-over) prescription medications where you live? (%Yes)



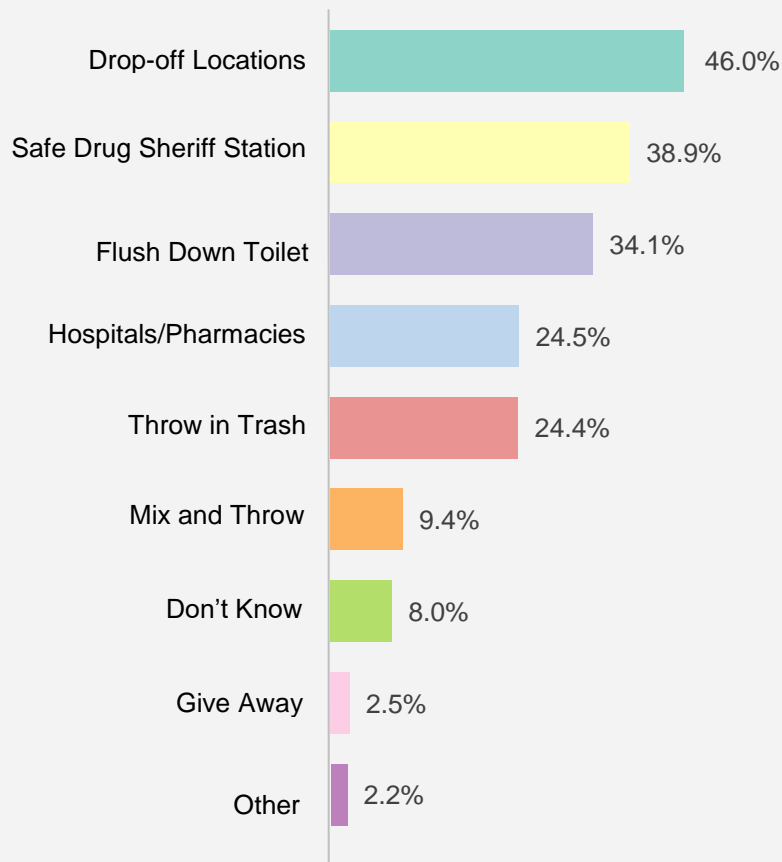
Area	%Yes		
	All	User	Non-User
Service Planning Area (SPA)			
SPA 1	40.6	45.9* †	39.0
SPA 2	31.2	47.8	28.5
SPA 3	38.8	50.5	36.0
SPA 4	32.0	49.0	27.7
SPA 5	44.1	53.1 †	41.1
SPA 6	26.9	45.5	22.9
SPA 7	32.8	38.2	31.8
SPA 8	34.4	48.1	30.3
Supervisorial District (SD)			
SD 1	31.8	49.1	28.5
SD 2	31.5	40.5	29.1
SD 3	34.6	53.8	30.0
SD 4	33.0	46.1	29.7
SD 5	40.8	49.5	38.7

Notes: Users included those who had ever misused prescription medication. Non-Users included those who had never misused prescription medication.
* The estimate is statistically unstable (RSE >30%).
† The estimate is statistically unstable (sample size ≤ 70); Interpret with caution.

Figure 18. Have Unused Prescription Medications Currently at Home by Demographics



What do you think are the best ways to **dispose** of unused or expired (left-over) prescription medications? (%)



Notes: Respondents selected all choices that applied. "Mix and throw" is defined as mixing with other materials (e.g., cat litter) and throwing in the trash.

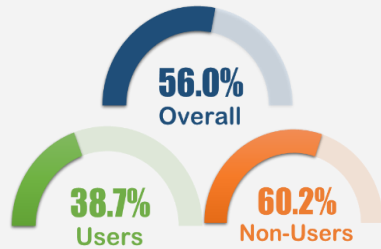
* The estimate is statistically unstable (RSE >30%); Interpret with caution.

Table 6. Best way to Dispose Left-over Prescription Medications by Demographics

	Drop-off Locations	Safe Drug Sheriff Station	Flush Down Toilet	Hospitals/ Pharmacies	Throw in Trash	Mix and Throw	Don't Know	Give Away	Other
Most Common Way of Disposal (%)									
	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
Gender									
Male	43.1	37.3	34.2	25.3	24.6	8.8	8.6	3.5	2.2
Female	48.8	40.4	34.0	24.3	23.5	10.2	7.3	2.1	1.6
Age									
12-17	40.6	34.6	30.6	28.3	21.6	14.2	13.6	4.7	3.1
18-25	36.5	35.9	35.5	34.8	21.4	10.4	9.7	3.4	1.0
26-34	42.6	39.3	37.7	24.9	22.3	9.1	7.7	1.7	1.4
35-44	49.0	38.2	37.1	26.1	22.9	8.1	5.4	2.0*	1.7*
45-54	53.0	41.5	32.6	26.0	18.1	7.7	5.3	2.2*	1.4
55+	57.4	45.1	27.1	26.9	13.6	9.2	8.5	3.4	2.9*
Race/Ethnicity									
Latino	40.1	36.5	32.4	28.9	24.8	9.6	9.0	3.1	2.6
Black	50.7	38.4	31.3	22.5	17.6	8.4	6.6	3.3	2.8
White	55.3	48.4	31.9	24.6	17.1	12.4	6.3	2.0	1.2
Asian	51.5	45.3	26.8	25.5	21.0	7.5	5.6*	2.5*	0.4*
Multi	41.3	36.9	36.3	27.5	23.0	8.0	6.4	4.8	4.8
Other	39.9	37.4	32.6	31.2	23.2	8.7*	6.9*	4.7*	2.0*
Nativity									
US Born	45.9	41.5	35.2	23.6	23.1	11.0	7.5	2.3	2.1
Foreign Born	48.2	33.7	30.9	28.3	24.8	8.9	5.8	2.3	2.2
Sexual Orientation									
Heterosexual	46.7	39.7	34.2	24.6	24.1	9.3	7.9	2.4	1.9
LGBQ	42.9	37.4	31.9	26.1	24.5	11.6	8.4	3.8*	2.4*

Likelihood of Seeking Help

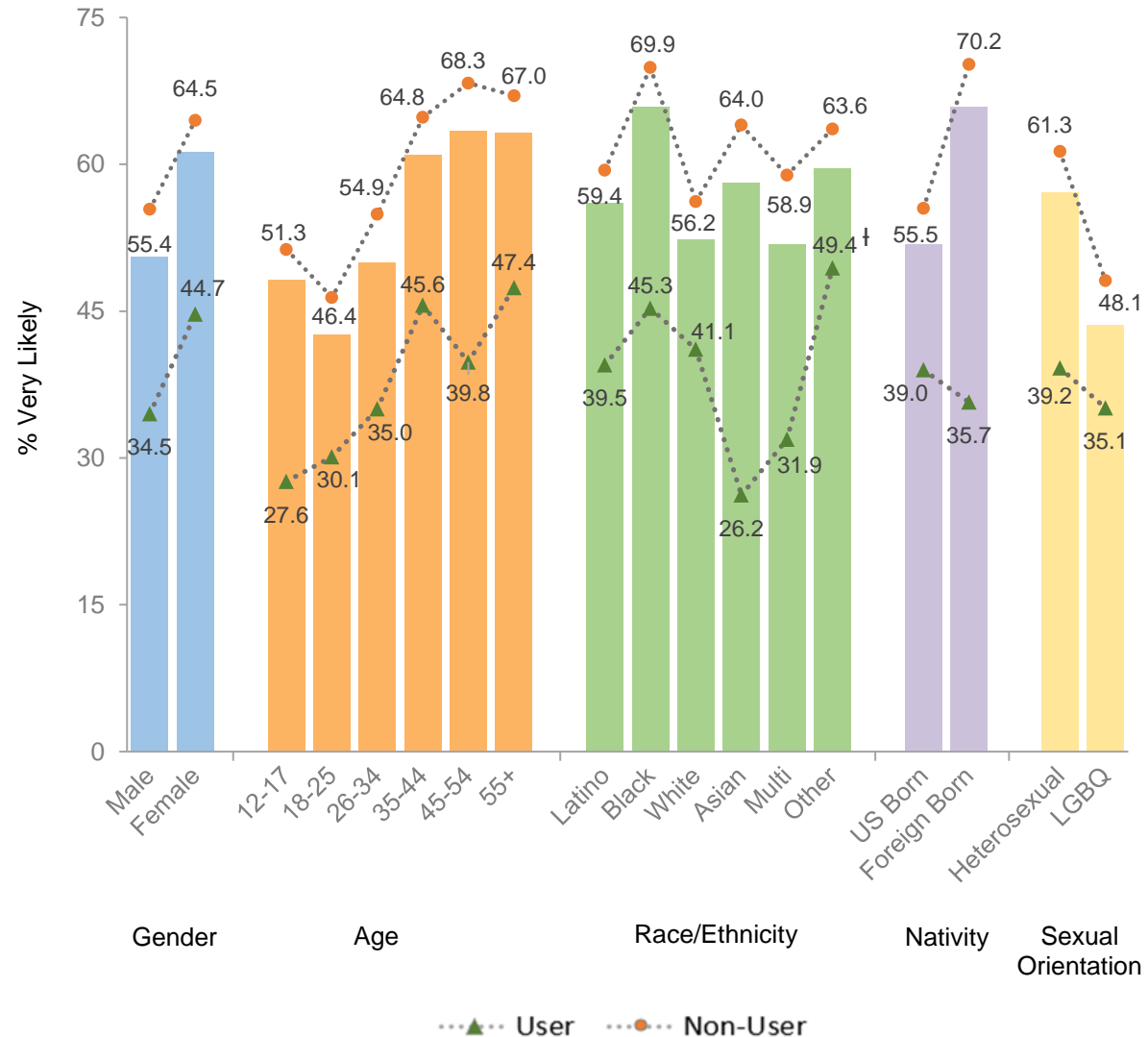
If you had a problem with prescription medication misuse, how likely would you be to **seek professional help**? (%Very Likely)



Area	%Very Likely		
	All	User	Non-User
Service Planning Area (SPA)			
SPA 1	59.7	48.2 †	63.3
SPA 2	54.4	42.5	56.7
SPA 3	52.8	26.3	59.2
SPA 4	56.5	39.9	60.8
SPA 5	59.1	42.8 †	62.9
SPA 6	60.9	43.8	65.4
SPA 7	63.3	50.0	65.9
SPA 8	59.2	34.4	66.5
Supervisory District (SD)			
SD 1	57.2	35.6	61.4
SD 2	58.3	39.0	63.8
SD 3	55.9	46.2	58.1
SD 4	62.4	44.8	67.0
SD 5	54.1	28.8	60.2

Notes: Users included those who had ever misused prescription medication. Non-Users included those who had never misused prescription medication.
† The estimate is statistically unstable (sample size ≤ 70); Interpret with caution.

Figure 19. Likelihood of Seeking Professional Help for Rx Medication Misuse Problem by Demographics



Summary of Findings

Prevalence of Prescription (Rx) Medication Misuse

- In 2017, nearly one-fifth (19.0%) of LAC residents aged 12 or older reported ever misusing Rx medication (including Rx pain relievers, sedatives/benzodiazapines and/or stimulants) at least once in their lifetime.
- The rate who reported currently (at least once in the past 30 days) misusing Rx medication was 2.8%. This was higher than that reported in the 2017 National Survey on Drug Use and Health (NSDUH), in which 2.2% of the US population aged 12 and older reported misusing Rx medications at least once in the past month.
- Ever misusing Rx medication was highest among males (22.7%); adults aged 26-34 years (24.7%); whites (25.4%) and multi-racial/ethnic (25.4%); US born (21.9%); and LGBTQ (34.2%).
- While 12.6% of youth aged 12-17 reported misusing Rx medications at least once in their lifetime, 4.4% reported currently misusing. In the 2017 NSDUH, 1.5% of US youth reported currently misusing Rx medications.
- Just under one-quarter (23.2%) of respondents in Service Planning Area (SPA) 1 reported ever misusing Rx medication, followed by SPA 8 (21.0%), SPA 4 (20.5%), SPA 5 (20.3%), SPA 3 (19.2%), SPA 6 (18.4%), and SPAs 2 and 7 (15.7%).
- Over three percent of respondents in Supervisorial Districts (SD) 2 (3.9%) and 5 (3.1%) reported currently misusing Rx medication.

Frequency of Misuse

- Among those who reported currently misusing Rx medications they did so on an average of 9 days in the past month.

Age of Initiation

- The average age of first misusing Rx medications among LAC residents aged 12 and older was 22 years.
- Among those aged 18 and older, 43.2% reported first misusing Rx medication when they were under the age of 18.
- More than half of SPA 6 (53.7%) respondents first misused Rx medications before age 18, compared to 28.6% of those in SPA 8.
- Nearly half (49.0%) of respondents in SD 1 first misused Rx medications before age 18 followed by SD 2 (44.1%), SD 5 (41.9%), SD 3 (37.7%) and SD 4 (35.0%).

Accessibility

- A majority (55.0%) of those who ever misused Rx medications reported it was somewhat or very easy for them to obtain Rx medications without a prescription.
- Among those who ever misused Rx medications, higher percent (69.0%) of adults aged 18-25 reported easy access, when compared to 34.7% of adults aged 55 and older.
- In five of the eight SPAs, more than half of those who ever misused Rx medication also reported it was easy for them to obtain Rx medications: SPA 1 (61.4%), SPA 8 (59.1%), SPA 6 (58.7%), SPA 3 (58.6%), and SPA 2 (57.1%).
- SD 1 (60.0%) had the highest rate of those who ever misused Rx medication who also reported it was easy for them to obtain Rx medications, followed by SD 4 (57.1%), SD 5 (54.8%), SD 3 (50.6%) and SD 2 (49.8%).

Reasons for Misuse

- The most common reasons for misusing Rx medications were to relax (33.8%), to get high (32.6%), to help sleep (30.0%),

Summary of Findings (Cont.)

to deal with anxiety/stress (29.3%), and to treat chronic pain (28.7%).

- Reasons for misusing Rx medications varied based on demographics. Among males (36.7%), adults aged 26-34 (38.7%), and whites (43.1%), getting high was the most common reason for misusing Rx medications. Dealing with anxiety/stress was the most common reason reported among LGBQ respondents (46.3%). The most common reason for misusing Rx medications among females (36.5%), Asians (48.6%) and foreign born (38.8%) respondents was to help sleep.

Setting of Misuse

- A majority (61.4%) of those who reported misusing Rx medications typically did so when alone. Three-quarters (75.9%) of those foreign born and adults aged 45-54 (81.6%) misused Rx medications when alone.
- While just under one-third (31.2%) of respondents reported misusing Rx medications with friends, almost half of youth aged 12-17 (47.0%) and adults aged 18-25 (51.7%) misused Rx medications with friends.

Type of Rx Misused

- Among respondents who misused Rx medications, 55.0% misused opioids, 52.7% misused sedatives, and 25.5% misused stimulants.
- Opioids were the most common type of Rx medication misused among males (61.0%), adults aged 26-34 (63.5%), whites (65.4%), blacks/African Americans (60.1%), US born (60.4%) and LGBQ (64.1%).
- Sedatives were the most common type of Rx medication misused among female (54.2%), youth aged 12-17 (54.9%)

and adults aged 18-25 (60.6%), Latino (49.7%) and multi-ethnic (59.1%) respondents.

- The most common demographic groups who reported using stimulants were adults aged 18-25 (42.1%), whites (33.9%), and LGBQ (30.7%).

Misuse with Alcohol or Other Drugs

- Among respondents who misused Rx medications, 56.6% misused Rx medications with alcohol or other drugs.
- The most common demographic groups who reported misusing Rx medications with alcohol or other drugs were males (66.3%), adults aged 18-25 (63.5%) and 26-34 (66.3%), whites (70.3%), US born (64.5%), and LGBQ (72.4%) respondents.
- SPA 3 (74.6%) and SPA 5 (72.7%) had the highest percentages of misusing Rx medications while also using alcohol or other drugs.
- About two-thirds of respondents in SD 5 (65.8%) reported misusing Rx medications simultaneously with alcohol or other drugs, followed by SD 1 (61.5%), SD 3 (58.3%), SD 4 (44.5%) and SD 2 (43.0%).

Source of Non-Prescribed Medication

- Respondents who misused Rx medications obtained them from a wide variety of sources including friends (38.8%), doctors (26.2%), their home (23.3%), family members (17.1%), and dealers or other illegal means (16.2%).
- In addition to friends (37.6%), youth aged 12-17 commonly obtained Rx medication they misuse from their home (27.4%), from dealers (21.7%) and from schoolmates (20.5%).

Summary of Findings (Cont.)

Place of Last Misuse

- At home (60.9%) was the most common place respondents misused Rx medications, followed by a public place (11.5%), a friend's home (9.6%), a party/kick-back (8.3%), and work/school (5.5%).
- Nearly one-quarter (23.4%) of youth aged 12-17 reported misusing Rx medications at school (23.4%). Adults aged 18-25 often misused Rx medications at a party/kick-back (18.5%) or a friend's home (18.2%).

Harms from Misuse

- Of those who misused Rx medications, 37.6% reported that no harms resulted from their misusing. Black/African American (29.7%) and multi-ethnic respondents (31.5%) were least likely to report no harms.
- The most common harms reported were physical health problems (23.6%), DUI (23.1%), and engaging in illegal activities (22.3%).
- DUI was the harm most commonly reported among adults aged 45-54 (34.4%).
- Physical health problems was the harm most commonly reported by Asians (38.9%), adults aged 45-54 (34.7%) and foreign born respondents (31.2%).
- Of respondents who misused Rx medications 11.2% resulted in an overdose, with high proportions among foreign born respondents (18.0%), Asians (15.6%), and adults aged 35-44 (16.1%).
- Harms from misusing Rx medication reported among youth aged 12-17 included illegal activities (22.4%), family trouble (21.5%), poor school performance (20.2%), and trouble at school (19.7%).

Used Rx Medication Before or During Work/School

- Over one-third of respondents (36.1%) who misused Rx medications had done so before or during school or work.
- The most common demographic groups who reported misusing medications before or during school/work were youth aged 12-17, males (39.7%), whites (42.2%), and US born (38.8%) respondents.
- SPA 3 (44.9%) and SPA 5 (44.6%) had the highest rates of misusing Rx medications before or during school/work.
- SD 1 (47.0%) had the highest rate of misusing Rx medications before or during school/work, followed by SD 5 (39.8%), SD 3 (32.7%), SD 2 (27.8%), and SD 4 (24.1%).

Perceived Accessibility

- Overall, 47.1% of LAC residents aged 12 and older believed it would be easy for someone to obtain Rx medications on the street in their neighborhood. Those who have misused Rx medications were more likely to perceive easy access to Rx medications in their neighborhood than those who have not misused Rx medications (62.0% vs. 43.6%).
- The most common demographic groups who perceived there is easy access to Rx medication on the street in their neighborhood included adults aged 18-25 (53.6%) and blacks/African-Americans (59.5%).
- SPA 1 (57.9%) and SPA 6 (57.9%) had the highest percent of perceiving easy access to Rx medications in their neighborhood, followed by SPA 2 (50.0%), SPA 4 (49.0%), SPA 7 (47.5%), SPA 8 (45.6%), SPA 3 (42.2%) and SPA 5 (36.6%).

Summary of Findings (Cont.)

- SD 2 (52.2%) and SD 1 (52.1%) had the highest percent of perceiving easy access to Rx medications in their neighborhood, followed by SD 3 (45.5%), SD 5 (44.2%) and SD 4 (42.3%).

Perceived Problem in the Neighborhood

- Overall 16.9% of LAC respondents believe misusing Rx medication is a major problem in their neighborhood. Those who have misused Rx medications were more likely to perceive that misusing Rx medication is a major problem in their neighborhood than those who have not misused Rx medications (23.2% vs. 15.5%).
- Blacks/African Americans (26.7%) and foreign born respondents (21.6%) were most likely to view the misuse of Rx medication as a major problem in their neighborhood.
- Over one-quarter (27.5%) of respondents in SPA 6 perceive that misusing Rx medication is a major problem in their neighborhood, followed by SPA 4 (21.0%), SPA 1 (20.8%), SPA 8 (18.7%), SPA 5 (16.6%), SPA 2 (16.5%), SPA 7 (14.8%), and SPA 3 (10.0%).
- In SD 2, 22.4% of respondents perceive that misusing Rx medication is a major problem in their neighborhood, followed by SD 1 (21.2%), SD 3 (16.5%), SD 4 (14.8%) and SD 5 (10.8%).

Perceived Most Commonly Misused Rx Medications

- Pain medications (53.9%) were perceived as the most commonly misused Rx medication in the community, followed by sedatives (13.8%), and stimulants (7.7%); 24.5% responded with they did not know.

- Approximately one-fifth (21.0%) of youth aged 12-17 and 20.6% of adults aged 18-25 perceive sedatives as a commonly misused Rx medication.

Know Someone who Misused Rx Medications

- Overall, 49.2% of LAC residents aged 12 and older know someone who had misused Rx medications. Those who have misused Rx medications were nearly twice as likely to know others who misuse Rx medications than those who have not misused Rx medications (81.1% vs. 41.7%).
- The most common demographic groups who reported knowing someone who misused Rx medications included males (50.9%), adults aged 26-34 (61.6%), whites (64.9%) and multi-ethnic (63.3%), US born (58.8%), and LGBTQ (61.0%) respondents.
- Respondents residing in SPA 1 (70.0%) were most likely to know someone who misused Rx medications, than those in SPA 5 (60.2%), SPA 3 (53.3%), SPA 6 (50.3%), SPA 2 (46.6%), SPA 4 (45.6%), SPA 8 (45.5%), and SPA 7 (41.7%).
- Over half (55.4%) of the respondents in SD 5 and SD 3 (51.3%) reported knowing someone who misused Rx medications, followed by SD 2 (48.6%), SD 1 (46.5%), and SD 4 (43.5%).

Perceived Risk of Youth Occasional Misuse

- Over half (54.5%) of LAC residents aged 12 and older perceived that youth are at risk of harming themselves if they occasionally misuse Rx medications. Those who misuse Rx medications were less likely to perceive youth are at risk of harming themselves with occasionally

Summary of Findings (Cont.)

- misusing Rx medication than those who have not misused Rx medications (46.8% vs. 56.4%).
- Perception that youth risk harming themselves with occasionally misusing Rx medication increased with age, from 30.5% among youth aged 12-17 to 66.1% among adults aged 55 and older.
- Nearly two-thirds (63.6%) of respondents in SPA 8 perceived that youth are at risk of harming themselves with occasionally misusing Rx medication, followed by SPA 7 (61.2%), SPA 1 (60.8%), SPA 3 (55.2%), SPA 4 (54.7%), SPA 2 (51.6%), SPA 6 (51.2%), and SPA 5 (50.9%).
- SD 4 (61.2%) had the highest percentage of residents aged 12 and older who perceived that youth are at risk of harming themselves with occasionally misusing Rx medication, followed by SD 1 (58.3%), SD 5 (54.9%), SD 3 (53.3%), and SD 2 (53.2%).

Perceived Risk of Adult Occasional Misuse

- Overall, 45.0% of LAC residents aged 12 and older perceived adults risk harming themselves with occasionally misusing Rx medication. Those who have misused Rx medication were less likely to perceive adults risk harming themselves with occasionally misusing Rx medication than those who have not misused Rx medications (38.1% vs. 46.6%).
- Similar to the perception that youth are at risk for harming themselves with occasionally misusing Rx medication, the perception that adults risk harming themselves with occasionally using Rx medication increases with age: from

- 26.1% among youth aged 12-17 to 53.4% among adults aged 55 and older.
- SPA 8 (51.5%) and SPA 7 (50.7%) had the highest percentage of respondents perceiving adults risk harming themselves with occasionally misusing Rx medication, followed by SPA 6 (47.3%), SPA 3 (47.0%), SPA 4 (44.2%), SPA 1 (43.8%), SPA 2 (42.7%), and SPA 5 (34.5%).
- Nearly half (49.6%) of respondents in SD 1 (49.6%) perceive that adults risk harming themselves with occasionally misusing Rx medication, followed by SD 4 (48.8%), SD 2 (47.0%), SD 5 (45.6%), and SD 3 (39.0%).

Perceived Harms

- The most commonly reported harm LAC residents aged 12 and older believed misusing Rx medication can cause was DUI (77.9%), followed by overdose (65.1%), physical health problems (61.2%), illegal activities (60.3%), and mental health problems (50.7%).
- Among youth aged 12-17, legal problems (62.7%) were the most commonly perceived potential harm that misusing Rx medication can cause, followed by overdose (60.8%), physical health problems (58.6%), and DUI (56.8%).

Perceived Safety of Rx Medications

- Overall, 29.7% of LAC residents aged 12 and older believed it was safer to misuse Rx medications than to use illegal street drugs to get high.
- Compared to other age groups, youth aged 12-17 (43.1%) were most likely to believe that misusing Rx medications

Summary of Findings (Cont.)

was safer to use to get high than using illegal drugs. Latinos (35.8%) and foreign born respondents (35.7%) were also more likely to view misusing Rx medication as safer than using illegal drugs to get high.

- SPA 4 (38.1%) respondents reported that they think that misusing Rx medications is safer than using illegal street drugs to get high, followed by SPA 2 (34.9%), SPA 6 (29.3%), SPA 7 (28.8%), SPA 5 (27.9%), SPA 1 (26.3%), SPA 3 (25.7%), and SPA 8 (19.8%).
- SD 3 (35.1%) had the highest percentage of respondents perceiving that misusing Rx medication is safer than using illegal drugs to get high, followed by SD 1 (32.3%), SD 2 (30.7%), SD 5 (26.7%), and SD 4 (20.7%).

Perceptions of Recommended Dosage

- Overall, 16.8% of LAC residents aged 12 and older believed it is okay to take more than the recommended dosage of Rx medication when feeling more pain than usual. This rate was higher among those who misuse Rx medication (25.8%) than those who do not (14.7%).
- The most common demographic groups who think it was okay to take more than the recommended dosage of Rx medications included youth aged 12-17 (23.1%) and LGBTQ respondents (22.8%).
- Over one-fifth (21.5%) of respondents in SPA 4 believe it was okay to take more Rx medications than the recommended dosage, followed by SPA 6 (18.2%), SPA 3 (16.8%), SPA 5 (14.8%), SPA 8 (14.5%), SPA 1 (14.3%), SPA 2 (13.7%) and SPA 7 (12.3%).

- SD 2 (19.8%) had the highest percent of those who think it is okay to take more than the recommended dosage of Rx medication, followed by SD 5 (16.9%), SDs 1 and 3 (16.2%), and SD 4 (10.8%).

Unused Rx Medications

- About one-third (33.5%) of LAC residents aged 12 and older reported they have unused or expired Rx medications where they live. This rate was higher among those who misuse Rx medication (46.3%) than those who do not misuse Rx medications (30.4%).
- Four in ten (40.6%) of LGBTQ and whites, and 35.6% of females reported they have unused or expired Rx medications where they live.
- Having unused or expired Rx medications where they live increased with age from 21.3% among those aged 12-17 to 37.9% among those aged 55 and older.
- SPA 5 (44.1%) had the highest percent of respondents who reported having unused or expired Rx medications where they live, followed by SPA 1 (40.6%), SPA 3 (38.8%), SPA 8 (34.4%), SPA 7 (32.8%), SPA 4 (32.0%), SPA 2 (31.2%), and SPA 6 (26.9%).
- SD 5 (40.8%) had the highest percent of respondents having unused or expired Rx medications where they live, followed by SD 3 (34.6%), SD 4 (33.0%), SD 1 (31.8%) and SD 2 (31.5%).

Safe Disposal

- LAC residents aged 12 and older believed the best ways to dispose of unused Rx medications was to drop them off at

Summary of Findings (Cont.)

drop-off locations or take-back events (46.0%) or at safe drug sheriff stations (38.9%). However, many believed that flushing them down the toilet (34.1%), and throwing them in the trash (24.4%) were the best ways to dispose of them.

- Over half (50.7%) of blacks/African Americans believed flushing Rx medications down the toilet was the best way to dispose of unused or expired Rx medications.
- Four-in-ten (40.6%) of youth aged 12-17 believed throwing Rx medications in the trash was the best way to dispose of unused or expired Rx medications, while those aged 18-25 thought flushing them down the toilet was the best way.

Likelihood of Seeking Help

- Over half of LAC residents aged 12 and older (56.0%) reported that they would seek professional help if they had a problem with misusing Rx medication. Those who have ever misuse Rx medications were less likely to report they would seek professional help (38.7%) compared to those who reported never misusing Rx medications (60.2%).

- Overall, only 51.8% of multi-ethnic and 52.8% of whites would seek professional help if they had a problem with misusing Rx medication. However, among those who misuse Rx medication only 26.2% of Asians would seek help.
- Adults age 18-25 (42.6%) and LGBTQ respondents (43.6%) were less likely to report that they would seek professional help if they had a problem with Rx medication misuse.
- While 63.3% of respondents in SPA 7 and 62.4% in SD 4 (62.4%) reported they would seek help if had a problem with misusing Rx medications, only 52.8% of respondents in SPA 3 and 54.1% in SD 5 (54.1%) would.

Appendix A: Final Analytic Sample

Demographics for Final Analytic Sample

Category	N	%
LAC Overall	7,638	100.0%
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 Analytic Sample

Area	N	%
LAC Overall	5,945	100.0%
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%

Note: Service Planning Area (SPA) and Supervisorial District (SD) were based on zip code of residence.

Appendix B: Prevalence and Misuse Behavior

Have You Ever Misused Prescription Medications? Have You Misused Prescription Medications in the Past 30 Days? How Old Were You When You First Misused Prescription Medication?

Category	Lifetime Prescription Misuse (%Yes)		Current Prescription Misuse (%Yes)		Age of Initiation (mean)		Initiation Before Age 18 (%Yes)	
	%	95% C.I.	%	95% C.I.	mean	95% C.I.	%	95% C.I.
LAC Overall	19.0	(16.0-22.0)	2.8	(2.1-3.5)	22	(20-23)	43.2	(38.2-48.2)
Gender								
Male	22.7	(18.7-26.6)	3.7	(2.7-4.7)	21	(20-22)	43.7	(38.5-48.9)
Female	15.5	(12.8-18.2)	2.0	(1.3-2.6)	22	(20-24)	42.6	(34.9-50.2)
Age								
12-17	12.6	(10.8-14.4)	4.4	(3.1-5.7)	13	(12-13)	n/a	
18-25	22.4	(18.5-26.3)	4.3	(2.9-5.7)	22	(21-23) [‡]	59.9	(50.8-69.0)
26-34	24.7	(20.4-29.0)	3.0	(1.6-4.4)	n/a		45.3	(37.1-53.5)
35-44	19.1	(14.4-23.8)	2.9	(1.2-4.7)	n/a		31.2	(23.3-39.1)
45-54	16.6	(12.7-20.6)	1.4	(0.6-2.2)	n/a		31.2	(17.0-45.4)
55+	18.4	(13.4-23.3)	2.0	(0.8-3.1)			30.7	(19.5-41.8)
Race/Ethnicity								
Latino	16.6	(14.3-18.9)	2.7	(2.0-3.4)	20	(19-22)	45.6	(38.3-53.0)
Black	16.1	(12.6-19.7)	3.9	(2.5-5.2)	20	(19-22)	42.9	(35.7-50.1)
White	25.4	(20.7-30.1)	3.0	(1.7-4.3)	23	(21-24)	44.2	(36.2-52.3)
Asian	14.5	(5.8-23.2)	1.8	(0.2-3.5)*	23	(21-26) [†]	25.0	(8.8-41.2)* [†]
NHOPI [†]	32.3	(20.2-44.4)	11.3	(0.0-24.1)*	§		§	
AI/NA [†]	31.6	(12.5-50.7)	8.6	(0.0-21.9)*	§		§	
Multi	25.4	(18.2-32.5)	4.7	(2.3-7.1)	18	(16-21)	58.1	(42.3-74.0)
Other	23.2	(14.5-31.8)	3.2	(0.3-6.1)*	17	(15-19) [†]	53.9	(33.3-74.6) [†]
Nativity								
US Born	21.9	(18.6-25.2)	3.2	(2.5-4.0)	21	(20-22)	46.0	(40.4-51.6)
Foreign Born	12.3	(8.4-16.2)	1.5	(0.9-2.2)	24	(22-27)	29.1	(19.8-38.4)
Sexual Orientation								
Heterosexual	18.1	(14.7-21.4)	2.5	(1.8-3.2)	22	(20-23)	43.3	(38.2-48.4)
LGBQ	34.2	(29.1-39.4)	6.2	(4.1-8.3)	21	(19-24)	46.5	(34.5-58.6)

Notes: Only to those who had ever misused prescription medication were asked about their age of initiation.

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

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

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

§ Data for NHOPI and AI/NA were presented only for prevalence indicators and suppressed in all other instances due to small sample size.

Appendix B: Prevalence and Misuse Behavior (Cont.)

**Have You Ever Misused Prescription Medications?
Have You Misused Prescription Medications in the Past 30 Days?
How Old Were You When You First Misused Prescription Medication?**

Area	Lifetime Prescription Misuse (%Yes)		Current Prescription Misuse (%Yes)		Age of Initiation (mean)		Initiation Before Age 18 (%Yes)	
	%	95% C.I.	%	95% C.I.	mean	95% C.I.	%	95% C.I.
LAC Overall	19.0	(16.0-22.0)	2.8	(2.1-3.5)	22	(20-23)	43.2	(38.2-48.2)
SPA 1	23.2	(18.0-28.5)	1.9	(1.5-2.2)	23	(11-35)†	41.9†	(31.6-52.2)
SPA 2	15.7	(13.0-18.4)	1.7	(1.2-2.2)	23	(20-26)	42.1	(34.0-50.3)
SPA 3	19.2	(9.1-29.3)	3.1	(1.7-4.5)	21	(19-23)	47.8	(37.9-57.6)
SPA 4	20.5	(15.6-25.4)	3.1	(1.3-4.9)	23	(21-25)	36.2	(31.7-40.8)
SPA 5	20.3	(15.6-25.0)	3.5	(0.0-7.3)*	23	(20-26)†	40.6†	(25.3-55.8)
SPA 6	18.4	(11.9-24.9)	5.6	(1.9-9.3)*	18	(16-19)	53.7	(39.6-67.7)
SPA 7	15.7	(13.6-17.8)	1.2	(0.7-1.8)	20	(18-22)	44.8	(34.2-55.4)
SPA 8	21.0	(16.0-26.1)	1.2	(0.0-2.3)*	25	(23-26)	28.6	(20.5-36.7)
SD 1	16.2	(11.1-21.2)	2.0	(1.1-3.0)	20	(17-22)	49.0	(39.6-58.4)
SD 2	19.8	(14.8-24.8)	3.9	(1.6-6.2)	20	(18-23)	44.1	(33.2-55.1)
SD 3	19.2	(14.7-23.7)	2.4	(0.8-4.0)*	23	(21-25)	37.7	(29.4-46.1)
SD 4	20.3	(17.1-23.5)	1.5	(0.6-2.4)	23	(20-26)	35.0	(21.1-48.9)
SD 5	19.1	(13.4-24.8)	3.1	(1.9-4.2)	22	(20-25)	41.9	(31.7-52.0)

Notes: Only to those who had ever misused prescription medication were asked about their age of initiation.

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

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

Appendix C: Easy Access

How Easy Is It for You to Get Prescription Medications Without a Prescription (%Very Easy/Somewhat Easy)?

Category	%	95% C.I.
LAC Overall	55.0	(50.1-60.0)
Gender		
Male	57.6	(51.0-64.2)
Female	51.4	(45.7-57.1)
Age		
12-17	64.0	(57.3-70.7)
18-25	69.0	(61.8-76.3)
26-34	60.4	(53.3-67.4)
35-44	55.9	(46.5-65.3)
45-54	52.7	(42.0-63.5)
55+	34.7	(25.0-44.5)
Race/Ethnicity		
Latino	60.0	(53.8-66.2)
Black	56.6	(47.6-65.7)
White	51.1	(42.4-59.9)
Asian	49.9	(38.2-61.5)
Multi	56.9	(46.3-67.5)
Other [†]	48.1	(29.5-66.6)
Nativity		
US Born	56.8	(52.1-61.5)
Foreign Born	46.9	(36.7-57.0)
Sexual Orientation		
Heterosexual	56.2	(51.0-61.3)
LGBQ	52.8	(44.5-61.1)

Area	%	95% C.I.
LAC Overall	55.0	(50.1-60.0)
SPA 1 [†]	61.4	(51.8-71.1)
SPA 2	57.1	(44.5-69.8)
SPA 3	58.6	(47.0-70.3)
SPA 4	50.0	(40.3-59.6)
SPA 5 [†]	41.2	(28.6-53.7)
SPA 6	58.7	(45.4-72.1)
SPA 7	45.6	(34.6-56.5)
SPA 8	59.1	(44.6-73.7)
SD 1	60.0	(50.7-69.3)
SD 2	49.8	(39.2-60.3)
SD 3	50.6	(37.5-63.7)
SD 4	57.1	(45.2-69.1)
SD 5	54.8	(43.0-66.6)

Notes: Only those who had ever misused prescription medication were asked this question.

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

Appendix D: Reasons for Misuse

For What Reason(s) Did/Do You Misuse Prescription Medications?

Category	To Relax		To Get High		To Help Sleep		To Deal with Anxiety/Stress		To Treat Chronic Pain		To Have Fun		To Deal with Depression	
	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC Overall	33.8	(30.3-37.3)	32.6	(26.8-38.4)	30.0	(23.9-36.2)	29.3	(24.5-34.1)	28.7	(23.8-33.5)	24.1	(20.1-28.2)	20.2	(17.2-23.2)
Gender														
Male	34.0	(29.9-38.0)	36.7	(30.0-43.4)	25.6	(19.1-32.0)	24.4	(19.9-29.0)	28.0	(21.2-34.8)	25.8	(21.0-30.6)	18.2	(13.5-22.9)
Female	33.6	(27.1-40.1)	26.6	(20.4-32.8)	36.5	(28.8-44.1)	36.3	(29.6-43.1)	29.7	(23.2-36.2)	21.8	(16.4-27.2)	23.2	(19.2-27.2)
Age														
12-17	46.0	(35.6-56.4)	40.8	(34.1-47.5)	26.5	(18.3-34.8)	35.0	(27.1-42.9)	12.9	(8.8-17.1)	33.8	(27.5-40.0)	34.3	(24.6-44.0)
18-25	44.4	(37.9-50.9)	40.8	(32.7-48.8)	23.3	(15.2-31.4)	34.2	(26.2-42.3)	17.2	(10.3-24.1)	37.7	(29.7-45.8)	25.0	(18.0-31.9)
26-34	33.4	(26.3-40.6)	38.7	(29.2-48.2)	29.7	(22.9-36.4)	35.1	(27.0-43.3)	24.8	(16.0-33.5)	31.0	(22.6-39.4)	21.2	(14.1-28.3)
35-44	31.8	(24.0-39.5)	24.5	(16.4-32.5)	31.4	(20.1-42.8)	21.1	(14.7-27.5)	36.9	(27.9-45.9)	13.8	(7.3-20.4)	13.0	(7.5-18.4)
45-54	37.6	(27.0-48.3)	23.8	(13.2-34.3)	34.9	(24.4-45.4)	32.3	(19.2-45.3)	36.8	(25.6-48.0)	17.5	(7.0-28.0)	23.6	(16.9-30.4)
55+	17.7	(10.6-24.7)	31.3	(17.0-45.6)	32.2	(16.8-47.5)	21.4	(11.4-31.5)	34.4	(23.7-45.1)	16.4	(7.9-25.0)	12.9	(5.4-20.4)
Race/Ethnicity														
Latino	34.2	(30.2-38.2)	25.9	(20.3-31.5)	24.6	(19.2-30.0)	24.2	(20.3-28.1)	27.2	(21.4-33.1)	20.8	(16.6-24.9)	17.0	(12.5-21.6)
Black	35.6	(28.2-43.0)	27.7	(19.4-36.0)	20.8	(12.0-29.7)	21.6	(14.4-28.9)	26.6	(17.1-36.2)	22.6	(13.5-31.6)	11.6	(5.4-17.8)
White	37.0	(30.7-43.3)	43.1	(32.8-53.3)	31.2	(22.8-39.6)	40.4	(33.2-47.5)	30.9	(23.4-38.4)	30.5	(24.1-36.9)	24.3	(17.4-31.3)
Asian	17.7	(7.8-27.5)	18.5	(6.8-30.2)*	48.6	(34.0-63.1)	11.4	(0.0-23.6)*	26.8	(10.1-43.5)*	14.7	(2.4-27.0)*	19.6	(12.8-26.4)
Multi	44.3	(32.5-56.0)	41.0	(25.2-56.7)	33.9	(22.1-45.6)	41.3	(30.6-51.9)	31.2	(21.3-41.1)	23.9	(17.1-30.8)	28.7	(19.4-37.9)
Other [†]	31.7	(5.4-58.0)*	57.7	(30.8-84.5)	10.0	(0.0-19.9)*	13.9	(2.3-25.4)*	21.6	(3.2-40.1)*	26.7	(10.8-42.6)	24.3	(2.7-45.9)*
Nativity														
US Born	36.1	(32.1-40.0)	37.2	(31.7-42.6)	28.4	(23.4-33.3)	31.9	(27.0-36.8)	27.8	(22.8-32.8)	27.3	(23.0-31.6)	20.1	(16.9-23.4)
Foreign Born	25.0	(18.1-31.9)	15.0	(5.9-24.1)	38.8	(23.7-53.9)	18.6	(11.9-25.3)	35.4	(21.4-49.3)	10.0	(2.8-17.1)*	21.2	(13.7-28.8)
Sexual Orientation														
Heterosexual	33.9	(29.6-38.1)	33.9	(27.2-40.6)	29.8	(22.7-36.8)	25.9	(20.8-31.1)	26.4	(21.5-31.3)	23.4	(19.2-27.6)	19.9	(16.4-23.4)
LGBQ	37.0	(28.6-45.5)	30.8	(19.9-41.7)	30.8	(22.5-39.0)	46.3	(39.2-53.5)	31.6	(22.1-41.0)	31.2	(20.0-42.5)	22.6	(16.5-28.7)

Notes: Only those who had ever misused prescription medication 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 D: Reasons for Misuse (Cont.)

For What Reason(s) Did/Do You Misused Prescription Medications?

Category	To Stay Awake/Concentrate		To Avoid Withdrawal		To Enhance Feeling of Other Drugs		To Help Work/Study		To Fit In		Other	
	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC Overall	14.5	(11.2-17.8)	10.8	(8.1-13.6)	10.7	(7.7-13.7)	8.2	(6.2-10.2)	6.6	(4.5-8.7)	6.5	(4.5-8.5)
Gender												
Male	14.3	(9.6-18.9)	11.3	(7.9-14.8)	12.0	(8.7-15.4)	8.0	(5.7-10.3)	6.7	(4.0-9.5)	6.0	(3.2-8.8)
Female	14.9	(11.0-18.7)	10.1	(6.2-14.1)	8.8	(4.4-13.2)	8.4	(5.1-11.7)	6.4	(3.8-8.9)	7.2	(4.7-9.7)
Age												
12-17	13.9	(10.0-17.8)	10.8	(6.7-14.9)	9.6	(4.2-15.1)	13.3	(7.3-19.3)	11.5	(6.8-16.1)	8.3	(3.6-13.0)
18-25	23.3	(15.3-31.4)	12.4	(6.8-18.1)	13.8	(8.9-18.7)	10.9	(6.5-15.4)	7.9	(3.9-12.0)	2.0	(0.4-3.7)*
26-34	19.0	(13.1-25.0)	10.0	(5.2-14.8)	14.8	(6.1-23.5)	12.3	(6.2-18.4)	14.1	(10.2-18.1)	6.9	(3.5-10.3)
35-44	12.3	(6.0-18.7)	13.4	(7.8-18.9)	5.9	(1.8-10.1)*	7.0	(3.3-10.7)	3.8	(0.0-8.1)*	12.4	(3.8-21.0)*
45-54	7.4	(1.5-13.2)*	10.5	(3.7-17.4)*	12.9	(5.6-20.2)	6.4	(1.3-11.5)*	4.0	(0.2-7.8)*	1.9	(0.0-3.9)*
55+	10.5	(3.4-17.6)*	8.0	(2.3-13.8)*	6.5	(0.7-12.3)*	2.0	(0.0-4.4)*	0.4	(0.0-1.3)*	8.0	(3.2-12.8)
Race/Ethnicity												
Latino	9.6	(5.4-13.8)	8.3	(4.6-12.1)	6.0	(3.3-8.6)	7.2	(4.3-10.2)	6.7	(3.8-9.6)	9.9	(6.4-13.3)
Black	11.5	(5.4-17.6)	12.5	(4.8-20.2)*	7.7	(2.8-12.6)*	3.3	(0.7-6.0)*	11.5	(4.8-18.2)	7.4	(2.4-12.4)*
White	21.1	(15.5-26.8)	14.2	(7.7-20.7)	15.8	(9.6-22.1)	10.3	(5.6-15.0)	6.7	(2.4-11.1)*	4.4	(1.7-7.2)
Asian	9.0	(1.3-16.6)*	6.1	(0.0-14.9)*	7.0	(3.0-11.0)	7.5	(0.0-16.7)*	2.2	(0.0-5.8)*	0.2	(0.0-0.5)*
Multi	12.9	(5.6-20.2)	9.4	(3.5-15.2)*	21.7	(11.4-32.0)	5.5	(0.5-10.5)*	5.9	(0.9-10.9)*	13.6	(6.6-20.6)
Other†	11.4	(3.0-19.8)*	17.8	(1.9-33.6)*	24.3	(4.8-43.7)*	4.4	(0.0-11.0)*	3.7	(0.0-10.1)*	7.1	(0.0-16.0)*
Nativity												
US Born	15.3	(11.5-19.2)	12.6	(9.4-15.8)	12.1	(8.5-15.7)	8.7	(6.4-11.1)	7.3	(4.9-9.7)	6.3	(4.3-8.4)
Foreign Born	11.2	(6.3-16.0)	3.9	(0.1-7.6)*	5.6	(1.2-10.0)*	6.9	(2.7-11.0)	3.0	(0.3-5.8)*	4.7	(0.7-8.6)*
Sexual Orientation												
Heterosexual	14.6	(11.1-18.1)	11.0	(8.0-14.1)	10.6	(7.9-13.3)	8.4	(5.7-11.0)	6.5	(4.3-8.7)	5.7	(3.5-7.9)
LGBQ	16.4	(8.4-24.4)	10.6	(5.1-16.2)	13.0	(4.4-21.7)*	7.5	(1.2-13.7)*	7.7	(3.6-11.9)	8.6	(3.5-13.8)

Notes: Only those who had ever misused prescription medication 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 E: Setting of Misuse

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

Category	Use Alone		Use with Friends		Use with Family Members		Other	
	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC Overall	61.4	(55.1-67.7)	31.2	(25.6-36.7)	3.6	(1.7-5.5)	3.8	(1.8-5.8)
Gender								
Male	57.8	(49.2-66.3)	35.6	(27.2-44.0)	3.8	(1.1-6.5)*	2.8	(0.8-4.9)*
Female	66.8	(60.1-73.5)	24.6	(19.0-30.2)	3.4	(1.3-5.4)	5.2	(1.6-8.9)*
Age								
12-17	37.6	(31.0-44.2)	47.0	(41.2-52.7)	11.5	(7.0-16.1)	3.9	(1.4-6.4)*
18-25	44.9	(35.9-53.8)	51.7	(41.2-62.3)	3.3	(0.0-6.7)*	0.1	(0.0-0.2)*
26-34	52.8	(45.4-60.3)	42.2	(33.9-50.6)	2.1	(0.0-4.5)*	2.8	(0.0-6.1)*
35-44	64.2	(51.0-77.4)	23.8	(13.6-34.0)	4.5	(0.0-10.9)*	7.5	(2.3-12.8)*
45-54	81.6	(72.5-90.7)	17.0	(7.3-26.8)	0.7	(0.0-2.1)*	0.7	(0.0-2.1)*
55+	76.1	(66.4-85.9)	12.4	(4.7-20.1)*	3.8	(0.0-8.8)*	7.6	(1.9-13.4)*
Race/Ethnicity								
Latino	56.7	(50.6-62.8)	35.9	(30.1-41.7)	3.4	(0.7-6.1)*	4.0	(1.4-6.6)*
Black	65.7	(56.9-74.4)	29.7	(22.8-36.7)	4.1	(0.5-7.6)*	0.5	(0.0-1.3)*
White	62.1	(50.1-74.2)	29.3	(18.9-39.7)	3.3	(0.7-5.9)*	5.3	(2.2-8.5)*
Asian †	70.6	(54.6-86.6)	23.4	(12.9-33.9)	6.0	(0.0-17.5)*	0.0	
Multi	64.7	(51.0-78.5)	32.2	(18.7-45.6)	2.2	(0.0-5.3)*	0.9	(0.0-2.3)*
Other †	64.3	(45.3-83.3)	32.7	(12.6-52.8)*	1.5	(0.0-4.1)*	1.5	(0.0-3.8)*
Nativity								
US Born	59.2	(52.3-66.1)	33.0	(27.0-39.1)	3.9	(1.7-6.1)	3.9	(1.5-6.2)
Foreign Born	75.9	(68.8-83.1)	19.0	(13.2-24.7)	2.9	(0.0-6.0)*	2.2	(0.0-5.0)*
Sexual Orientation								
Heterosexual	61.9	(55.7-68.0)	31.1	(25.7-36.5)	4.0	(1.7-6.4)	3.0	(1.3-4.7)
LGBQ	59.6	(48.0-71.1)	32.6	(21.9-43.4)	2.2	(0.0-4.6)*	5.6	(0.0-11.4)*

Notes: Only those who had ever misused prescription medication were asked this question.

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

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

Appendix F: Type of Rx Medication Misused

What Type of Prescription Medication[‡] Have You Ever Misused?

Category	Opioids		Sedatives		Stimulants		Don't Know		Other	
	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC Overall	55.0	(47.0-63.1)	52.7	(47.6-57.8)	25.5	(21.6-29.5)	8.6	(3.8-13.4)	3.0	(1.6-4.4)
Gender										
Male	61.0	(51.3-70.7)	51.7	(45.8-57.6)	27.7	(22.8-32.6)	7.6	(3.2-11.9)	3.1	(1.3-4.9)
Female	46.7	(38.4-55.1)	54.2	(47.4-61.0)	22.4	(16.8-28.0)	10.1	(3.8-16.3)*	2.9	(1.2-4.7)
Age										
12-17	32.6	(24.6-40.7)	54.9	(45.2-64.6)	25.2	(17.4-32.9)	14.7	(8.6-20.9)	8.8	(4.2-13.5)
18-25	53.0	(42.6-63.4)	60.6	(52.7-68.5)	42.1	(34.6-49.7)	3.9	(0.0-8.2)*	2.4	(0.0-4.9)*
26-34	63.5	(54.2-72.8)	57.1	(49.1-65.1)	36.6	(28.0-45.1)	7.7	(4.4-11.0)	0.3	(0.0-0.8)*
35-44	60.6	(49.3-71.9)	46.5	(34.3-58.6)	19.2	(12.1-26.4)	5.5	(1.1-9.9)*	5.6	(1.2-10.1)*
45-54	58.0	(46.1-69.9)	51.1	(37.0-65.2)	11.0	(3.9-18.1)*	10.2	(0.0-23.7)*	3.0	(0.0-6.8)*
55+	49.5	(37.7-61.3)	46.8	(36.5-57.0)	17.1	(9.8-24.5)	13.0	(2.7-23.3)*	1.7	(0.0-4.3)*
Race/Ethnicity										
Latino	48.8	(39.7-57.8)	49.7	(42.5-56.9)	19.0	(15.9-22.2)	13.4	(8.1-18.7)	4.8	(2.2-7.3)
Black	60.1	(48.4-71.7)	41.0	(30.0-52.1)	15.4	(9.2-21.6)	2.8	(0.8-4.8)*	2.8	(0.0-6.0)*
White	65.4	(55.5-75.3)	62.6	(54.9-70.2)	33.9	(29.4-38.4)	1.9	(0.5-3.2)*	2.1	(0.1-4.0)*
Asian	37.0	(24.0-50.1)	32.0	(11.1-52.9)*	21.3	(7.0-35.7)*	22.9	(0.0-46.2)*	0.2	(0.0-0.5)*
Multi	58.6	(42.0-75.1)	59.1	(45.5-72.6)	29.7	(21.3-38.2)	4.6	(0.0-9.5)*	3.1	(0.4-5.8)*
Other [†]	52.0	(31.5-72.4)	55.6	(38.2-72.9)	27.4	(10.2-44.6)*	1.2	(0.0-3.1)*	1.0	(0.0-2.6)*
Nativity										
US Born	60.4	(52.8-68.0)	55.6	(50.5-60.6)	28.4	(24.8-32.1)	4.6	(2.9-6.3)	2.6	(1.3-3.9)
Foreign Born	34.6	(23.4-45.9)	36.9	(20.0-53.8)	13.5	(7.3-19.8)	28.3	(10.7-45.9)*	5.5	(0.4-10.6)*
Sexual Orientation										
Heterosexual	54.6	(45.7-63.4)	52.3	(46.7-57.9)	25.0	(20.4-29.6)	9.8	(4.2-15.4)	3.0	(1.6-4.4)
LGBQ	64.1	(56.3-71.8)	56.8	(46.8-66.9)	30.7	(18.8-42.6)	2.3	(0.3-4.4)*	3.5	(0.0-7.1)*

Notes: Only those who have misused prescription medication were asked this question.

Respondents selected all choices that applied.

‡Opioids include medications like OxyContin, Vicodin, and Demerol.

Sedatives include medications like Xanax, Valium and Ativan.

Stimulants include medications like Adderall, Ritalin and Dexedrine.

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

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

Appendix G: Misused with Alcohol

Ever Misused with Alcohol or Other Drugs (% Yes)?

Ever Misused with Alcohol or Other Drugs (%Yes)			Ever Misused with Alcohol or Other Drugs (%Yes)		
Category	%	95% C.I.	Area	%	95% C.I.
LAC Overall	56.6	(47.4-65.7)	LAC Overall	56.6	(47.4-65.7)
Gender					
Male	63.3	(53.9-72.6)	SPA 1 †	52.5	(34.6-70.3)
Female	47.1	(36.6-57.5)	SPA 2	52.8	(40.1-65.5)
Age			SPA 3	74.6	(64.1-85.1)
12-17	53.4	(46.5-60.2)	SPA 4	50.5	(39.2-61.8)
18-25	63.5	(55.5-71.5)	SPA 5 †	72.7	(61.7-83.8)
26-34	66.3	(55.7-76.8)	SPA 6	46.3	(35.5-57.1)
35-44	51.6	(35.9-67.2)	SPA 7	53.1	(42.9-63.3)
45-54	55.4	(39.6-71.2)	SPA 8	33.4	(5.1-61.8)*
55+	47.3	(35.8-58.9)			
Race/Ethnicity			SD 1	61.5	(49.9-73.2)
Latino	50.2	(40.8-59.5)	SD 2	43.0	(32.9-53.1)
Black	60.9	(51.7-70.1)	SD 3	58.3	(49.7-66.9)
White	70.3	(62.4-78.3)	SD 4	44.5	(24.1-64.9)
Asian	29.3	(7.3-51.2)	SD 5	65.8	(53.7-78.0)
Multi	54.0	(40.5-67.5)			
Other †	56.7	(33.8-79.6)			
Nativity					
US Born	64.5	(58.1-71.0)			
Foreign Born	26.3	(12.9-39.6)			
Sexual Orientation					
Heterosexual	55.3	(45.0-65.6)			
LGBQ	72.4	(64.2-80.6)			

Notes: Only those who had ever misused prescription medication 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 prescription medication.

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

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

Appendix H: Source of Rx Medication Misused

Where Did/Do You Obtain Prescription Medication that You Have Misused?

Category	Friend		Doctors		Home		Family Member/Relative		Dealer/Illegally		Leftover Medications	
	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC Overall	38.8	(33.5-44.1)	26.2	(21.9-30.4)	23.2	(17.4-29.1)	17.1	(13.6-20.6)	16.2	(12.3-20.3)	14.3	(10.3-18.2)
Gender												
Male	41.1	(32.6-49.6)	25.0	(18.7-31.2)	21.7	(16.2-27.1)	14.9	(10.5-19.3)	17.9	(12.5-23.3)	11.8	(8.2-15.4)
Female	35.4	(31.3-39.5)	27.9	(22.5-33.3)	25.5	(17.3-33.6)	20.3	(15.9-24.7)	13.8	(8.9-18.8)	17.9	(12.3-23.5)
Age												
12-17	37.6	(30.1-45.2)	10.6	(5.3-16.0)	27.4	(20.7-34.2)	10.7	(6.4-15.0)	21.7	(15.0-28.3)	8.2	(3.3-13.2)
18-25	51.0	(41.7-60.4)	16.2	(9.9-22.5)	15.8	(10.5-21.1)	12.7	(6.9-18.6)	27.3	(19.8-34.7)	7.9	(3.4-12.4)
26-34	44.3	(34.9-53.8)	23.5	(15.3-31.6)	26.4	(19.4-33.4)	18.8	(12.2-25.3)	18.7	(10.3-27.1)	14.2	(9.4-19.1)
35-44	43.0	(34.3-51.7)	29.7	(21.8-37.7)	21.5	(10.4-32.5)	14.2	(8.5-20.0)	10.8	(2.5-19.0)*	14.8	(5.8-23.8)
45-54	34.3	(21.3-47.3)	34.6	(22.1-47.0)	28.5	(11.9-45.1)	23.8	(12.7-35.0)	13.2	(4.6-21.9)*	14.6	(5.9-23.3)
55+	20.6	(10.4-30.8)	34.2	(24.0-44.3)	22.1	(14.0-30.1)	18.9	(10.6-27.1)	8.6	(3.5-13.7)	22.4	(10.9-34)
Race/Ethnicity												
Latino	40.0	(34.3-45.8)	21.7	(17.2-26.2)	20.9	(16.7-25.2)	16.9	(11.2-22.5)	15.6	(12.0-19.2)	10.6	(7.0-14.1)
Black	30.6	(22.3-38.9)	19.2	(11.0-27.3)	20.1	(14.1-26.1)	18.9	(10.2-27.6)	17.6	(8.5-26.8)	11.4	(2.6-20.3)
White	41.2	(31.9-50.4)	34.3	(25.3-43.3)	20.3	(15.9-24.8)	19.5	(13.0-26.0)	19.2	(11.6-26.7)	15.8	(11.1-20.5)
Asian	32.6	(17.7-47.6)	17.2	(7.2-27.1)	43.0	(15.0-71.0)*	7.2	(1.7-12.6)*	5.4	(0.1-10.7)*	22.7	(1.9-43.4)*
Multi	31.3	(22.4-40.2)	22.0	(11.5-32.4)	24.8	(12.9-36.6)	17.7	(9.2-26.2)	27.4	(15.4-39.4)	13.2	(2.2-24.2)*
Other †	63.0	(44.2-81.9)	19.2	(0.0-38.5)*	8.2	(0.0-19.6)*	5.2	(0.0-12.2)*	5.4	(0.3-10.5)*	3.9	(0.0-8.8.0)*
Nativity												
US Born	40.9	(35.2-46.6)	26.9	(21.5-32.3)	21.5	(18.0-25.0)	17.7	(13.8-21.6)	18.1	(13.5-22.8)	14.3	(10.6-18.1)
Foreign Born	27.8	(18.5-37.0)	22.1	(13.5-30.8)	33.3	(11.7-54.9)*	15.4	(7.9-22.8)	7.3	(2.5-12.2)*	15.9	(1.1-30.6)*
Sexual Orientation												
Heterosexual	38.5	(32.5-44.4)	26.5	(21.4-31.5)	23.9	(17.1-30.7)	17.8	(14.0-21.7)	17.1	(12.1-22.1)	12.6	(8.8-16.4)
LGBQ	43.1	(34.3-51.9)	25.8	(19.3-32.4)	19.6	(10.3-28.9)	15.5	(5.4-25.7)*	13.3	(6.4-20.2)	18.7	(10.6-26.8)

Notes: Only those who had ever misused prescription medication 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 H: Source of Rx Medication Misused (Cont.)

Where Did/Do You Obtain Prescription Medication that You Have Misused?

Category	Stole from Family/Friends		Coworkers/Schoolmates		Pharmacists		Internet		Other	
	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC Overall	8.9	(6.7-11.1)	6.6	(4.5-8.7)	6.2	(4.8-7.6)	3.4	(1.7-5.1)	2.6	(1.2-4.0)
Gender										
Male	11.5	(8.4-14.6)	7.6	(4.4-10.8)	6.4	(4.3-8.5)	4.0	(1.5-6.5)	2.7	(0.7-4.8)*
Female	5.2	(2.6-7.8)	5.1	(3.3-7.0)	5.9	(3.5-8.2)	2.5	(0.7-4.4)*	2.5	(1.0-4.0)
Age										
12-17	10.4	(7.0-13.9)	20.5	(15.2-25.9)	5.7	(2.3-9.1)	8.0	(5.4-10.7)	5.4	(3.1-7.8)
18-25	9.9	(6.8-13.0)	7.0	(3.5-10.5)	5.5	(2.0-9.0)*	3.5	(0.0-7.5)*	2.2	(0.5-3.8)*
26-34	10.5	(5.2-15.9)	6.6	(3.0-10.2)	8.5	(4.5-12.4)	4.1	(1.5-6.7)*	0.7	(0.0-1.8)*
35-44	7.6	(1.7-13.4)*	4.3	(0.3-8.3)*	7.0	(2.0-11.9)*	1.4	(0.0-3.4)*	4.7	(0.0-9.9)*
45-54	10.4	(3.2-17.6)*	5.0	(0.0-10.8)*	4.6	(0.3-8.9)*	1.3	(0.0-3.9)*	2.3	(0.0-5.5)*
55+	5.4	(0.8-9.9)*	4.2	(0.4-7.9)*	5.0	(0.0-10.7)*	4.8	(0.0-10.1)*	2.2	(0.0-5.2)*
Race/Ethnicity										
Latino	6.5	(3.5-9.4)	8.0	(5.0-11.0)	6.7	(3.5-9.8)	3.4	(1.5-5.3)	3.9	(1.9-5.9)
Black	6.8	(3.3-10.3)	7.7	(2.3-13.1)*	4.8	(0.8-8.9)*	2.7	(0.6-4.8)*	5.9	(1.9-9.9)*
White	11.4	(6.3-16.5)	6.4	(1.8-11.1)*	7.1	(4.9-9.4)	4.0	(0.4-7.5)*	1.4	(0.0-3.1)*
Asian	8.6	(0.0-18.2)*	1.0	(0.0-2.5)*	1.8	(0.0-4.6)*	2.5	(0.0-6.3)*	0.2	(0.0-0.6)*
Multi	7.4	(2.0-12.8)*	7.5	(1.9-13.1)*	5.6	(1.0-10.1)*	1.6	(0.0-3.8)*	5.5	(0.0-11.2)*
Other †	11.2	(0.0-29.3)*	5.6	(0.0-12.7)*	0.0		6.5	(0.0-16.1)*	0.5	(0.0-1.6)*
Nativity										
US Born	9.6	(6.6-12.7)	6.6	(4.1-9.2)	5.9	(4.5-7.3)	3.8	(1.8-5.8)	2.4	(0.9-3.8)
Foreign Born	5.7	(1.3-10.1)*	6.8	(3.0-10.5)	8.2	(3.3-13.1)	1.9	(0.0-4.0)*	3.7	(0.0-7.7)*
Sexual Orientation										
Heterosexual	9.1	(6.2-11.9)	7.0	(4.7-9.3)	5.7	(4.4-7.0)	3.5	(1.5-5.6)	2.3	(0.8-3.8)
LGBQ	9.3	(6.3-12.3)	4.6	(1.6-7.6)*	7.9	(3.4-12.5)	3.3	(0.0-6.6)*	3.1	(0.5-5.8)*

Notes: Only those who have misused prescription medication were asked this question.

Respondents selected all choices that applied.

"Other" included "Rehab", "Mail Order", "Streets", "Pharmacy not in US", "HSDNC Meeting" etc.

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

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

Appendix I: Place of Last Rx Medication Misuse

Please Indicate the Last Place You Misused Prescription Medications

Category	Home		Public Place: In/Outdoors		Friend's House		At A Party/Kick-Back		Work/School		Other	
	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC Overall	60.9	(55.5-66.4)	11.5	(8.5-14.5)	9.6	(7.1-12.1)	8.3	(6.2-10.3)	5.5	(3.8-7.3)	5.1	(3.5-6.8)
Gender												
Male	55.8	(48.7-62.9)	13.7	(9.3-18.1)	11.2	(7.1-15.3)	8.7	(5.4-11.9)	5.5	(3.0-8.1)	5.8	(3.3-8.2)
Female	68.4	(62.3-74.4)	8.3	(4.6-12.0)	7.3	(4.7-9.9)	7.7	(5.0-10.4)	5.5	(2.9-8.1)	4.2	(1.7-6.7)
Age												
12-17	33.9	(26.9-41.0)	12.7	(8.1-17.2)	13.5	(8.3-18.7)	10.9	(7.0-14.8)	23.4	(15.5-31.4)	6.2	(2.3-10.2)*
18-25	35.6	(25.0-46.2)	16.0	(7.5-24.5)	18.2	(12.6-23.7)	18.5	(11.5-25.6)	8.5	(3.9-13.2)	6.8	(2.1-11.4)*
26-34	57.3	(47.6-67.1)	7.9	(4.0-11.7)	11.5	(6.2-16.8)	12.5	(5.8-19.2)	3.5	(0.2-6.8)*	7.6	(1.4-13.8)*
35-44	67.7	(56.4-79.0)	12.1	(4.5-19.8)*	8.9	(1.9-15.9)*	3.7	(0.0-7.6)*	4.4	(1.0-7.8)*	4.4	(0.7-8.2)*
45-54	79.3	(68.1-90.4)	8.8	(0.0-17.7)*	3.4	(0.0-7.9)*	4.5	(0.1-8.9)*	0.7	(0.0-2.1)*	3.3	(0.0-7.6)*
55+	75.8	(66.7-84.8)	12.3	(6.2-18.4)	4.4	(0.7-8.2)*	1.0	(0.0-2.3)*	3.5	(0.0-6.9)*	3.0	(0.0-7.2)*
Race/Ethnicity												
Latino	57.1	(51.3-62.8)	9.8	(6.3-13.3)	12.1	(8.6-15.5)	11.0	(7.1-15.0)	6.1	(3.3-8.8)	4.6	(1.2-8.0)*
Black	57.4	(50.7-64.1)	11.2	(4.7-17.7)	11.0	(5.6-16.4)	10.1	(5.3-14.9)	8.6	(4.1-13.1)	1.6	(0.0-4.3)*
White	60.9	(55.4-66.4)	13.7	(8.6-18.8)	7.5	(4.7-10.2)	7.1	(4.1-10.2)	5.2	(3.0-7.4)	7.0	(4.4-9.6)
Asian	75.7	(54.9-96.4)	6.9	(0.0-15.3)*	9.8	(0.0-20.8)*	3.8	(0.0-8.6)*	3.6	(0.0-9.2)*	1.6	(0.0-4.9)*
Multi	58.4	(44.0-72.9)	18.2	(9.0-27.4)	7.2	(3.0-11.4)	5.7	(0.0-12.2)*	4.8	(0.0-9.5)*	5.7	(0.0-11.6)*
Other †	55.0	(40.0-70.1)	16.1	(6.1-26.2)*	10.7	(0.0-22.0)*	5.4	(0.0-15.3)*	0.0		16.1	(5.6-26.5)*
Nativity												
US Born	57.6	(53.4-61.7)	12.0	(9.1-14.9)	10.9	(8.2-13.6)	9.2	(7.1-11.3)	5.8	(3.9-7.7)	5.5	(3.8-7.2)
Foreign Born	79.2	(67.8-90.6)	7.8	(1.4-14.1)*	4.1	(0.3-7.8)*	3.8	(0.0-8.1)*	4.3	(0.8-7.8)*	1.9	(0.0-4.2)*
Sexual Orientation												
Heterosexual	60.7	(54.4-67.0)	11.5	(8.1-14.9)	9.3	(6.7-11.9)	8.2	(5.7-10.7)	5.9	(3.8-8.0)	5.0	(3.3-6.7)
LGBQ	59.1	(47.9-70.3)	12.2	(5.1-19.3)	11.7	(5.1-18.3)	9.2	(2.9-15.4)*	4.3	(1.1-7.5)*	6.1	(2.1-10.1)*

Notes: Only those who had ever misused prescription medication were asked this question.

Public places included indoor and outdoor public places such as "Coachella festival", "camping trip", "commercial set", "hospital", and "Navy".

"Other" included "Jail", "rehab" and "everywhere", etc.

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

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

Appendix J: Harms from Misusing Rx Medications

In What Ways Did Your Prescription Medications Misuse Cause Harm?

Category	No Harms		Drove Under the Influence		Health Problems		Illegal Activities		Affected Personal Motivation to Succeed		Mental Health Problems	
	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC Overall	37.6	(32.0-43.2)	23.1	(18.8-27.3)	23.6	(18.4-28.8)	22.3	(18.3-26.3)	18.9	(15.3-22.5)	17.5	(13.6-21.4)
Gender												
Male	39.0	(32.7-45.3)	25.2	(20.5-29.9)	20.6	(14.9-26.4)	24.6	(20.0-29.3)	17.6	(13.0-22.1)	13.5	(8.7-18.2)
Female	35.6	(26.3-45.0)	20.1	(13.0-27.1)	27.7	(18.8-36.5)	19.0	(12.7-25.3)	20.7	(16.1-25.3)	23.1	(16.8-29.4)
Age												
12-17	35.9	(28.0-43.8)	12.8	(7.8-17.9)	19.4	(14.8-24.1)	22.4	(15.4-29.5)	15.2	(7.6-22.9)	11.9	(7.5-16.4)
18-25	35.9	(26.9-44.9)	21.2	(12.8-29.6)	23.7	(16.6-30.7)	27.7	(18.9-36.5)	18.0	(11.5-24.5)	15.4	(6.8-24.1)
26-34	39.8	(31.0-48.6)	24.6	(17.0-32.2)	21.0	(16.1-25.9)	22.5	(12.6-32.5)	18.4	(11.2-25.6)	14.7	(9.1-20.4)
35-44	40.3	(28.3-52.2)	20.2	(13.9-26.5)	17.0	(9.4-24.7)	20.8	(14.7-26.9)	20.2	(11.5-28.9)	19.7	(12.0-27.3)
45-54	32.6	(17.4-47.8)	34.4	(23.6-45.3)	34.7	(17.1-52.4)	25.9	(14.6-37.2)	25.2	(12.2-38.2)	21.7	(11.0-32.4)
55+	39.2	(29.4-49)	20.8	(12.7-28.9)	25.0	(15.5-34.5)	15.1	(9.1-21.1)	15.0	(6.8-23.2)	19.0	(8.3-29.7)
Race/Ethnicity												
Latino	40.1	(33.1-47.2)	20.9	(14.4-27.3)	19.1	(13.9-24.4)	18.4	(13.1-23.7)	13.3	(9.5-17.0)	10.7	(6.5-15.0)
Black	29.7	(19.6-39.9)	25.9	(20.4-31.5)	12.8	(5.1-20.6)	22.2	(13.7-30.7)	12.9	(4.9-20.9)*	11.8	(3.1-20.6)*
White	38.9	(29.8-48.1)	25.8	(19.0-32.7)	25.7	(18.9-32.6)	28.0	(21.0-34.9)	26.9	(18.3-35.5)	21.9	(16.7-27.1)
Asian	30.9	(14.6-47.2)	18.6	(4.6-32.5)*	38.9	(14.4-63.4)	10.9	(4.0-17.9)*	11.0	(3.7-18.4)*	26.9	(11.3-42.5)
Multi	31.5	(15.8-47.1)	24.5	(13.1-35.9)	19.3	(9.7-28.9)	27.8	(15.4-40.2)	19.4	(8.7-30.1)	19.3	(8.7-29.9)
Other †	23.3	(3.4-43.1)*	24.9	(6.1-43.8)*	16.6	(1.6-31.7)*	33.1	(8.2-57.9)*	26.8	(7.6-46.0)*	31.5	(5.2-57.7)*
Nativity												
US Born	38.4	(32.0-44.9)	23.7	(19.1-28.3)	22.6	(18.3-26.9)	23.6	(18.9-28.4)	19.7	(15.1-24.3)	17.3	(12.8-21.7)
Foreign Born	33.3	(23.3-43.3)	22.5	(7.3-37.7)*	31.2	(18.6-43.9)	16.9	(10.9-23.0)	15.6	(8.2-22.9)	21.2	(9.6-32.8)
Sexual Orientation												
Heterosexual	37.6	(32.2-42.9)	24.9	(20.6-29.2)	23.8	(17.4-30.1)	23.3	(19.3-27.3)	20.5	(16.4-24.7)	16.7	(12.7-20.6)
LGBQ	38.7	(25.7-51.7)	15.9	(9.2-22.6)	20.1	(13.3-26.9)	19.2	(10.5-27.9)	13.3	(8.5-18.1)	21.5	(11.7-31.3)

Notes: Only those who had ever misused prescription medication 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%);

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

Appendix J: Harms from Misusing Rx Medications (Cont.)

In What Ways Did Your Prescription Medications Misuse Cause Harm?

Category	Family Trouble		Poor Work/School Performance		Work/School Trouble		Overdose		Other	
	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC Overall	17.0	(14.1-19.9)	13.9	(10.5-17.4)	11.8	(9.4-14.3)	11.2	(8.1-14.0)	5.5	(3.9-7.0)
Gender										
Male	17.4	(12.8-21.9)	14.9	(10.2-19.6)	13.2	(9.4-17.1)	11.5	(7.5-15.4)	3.9	(1.8-6.1)
Female	16.5	(11.4-21.7)	12.6	(8.1-17.1)	9.9	(6.0-13.9)	10.8	(7.3-14.3)	7.6	(5.3-9.9)
Age										
12-17	21.5	(16.6-26.4)	20.2	(14.1-26.3)	19.7	(14.9-24.5)	12.1	(7.6-16.5)	6.4	(2.4-10.3)*
18-25	15.5	(10.0-21.1)	10.1	(6.2-13.9)	11.0	(5.1-16.8)	8.4	(5.0-11.8)	4.1	(1.0-7.2)*
26-34	8.5	(4.9-12.1)	9.7	(5.2-14.3)	8.0	(4.9-11.0)	9.8	(3.7-15.8)*	5.1	(1.9-8.3)*
35-44	17.0	(9.9-24.1)	21.1	(11.4-30.7)	10.7	(4.8-16.5)	16.3	(9.6-23.0)	7.3	(2.5-12.1)*
45-54	23.6	(14.2-32.9)	17.2	(8.7-25.6)	17.4	(8.7-26.2)	12.0	(3.0-21.0)*	3.9	(0.0-8.9)*
55+	20.1	(13.9-26.2)	9.5	(2.8-16.2)	9.9	(2.9-16.9)*	9.1	(3.2-15.0)*	6.3	(0.0-12.7)*
Race/Ethnicity										
Latino	11.4	(8.0-14.9)	11.7	(7.6-15.8)	11.3	(7.3-15.3)	11.0	(7.8-14.2)	5.2	(2.7-7.6)
Black	18.6	(11.6-25.7)	12.9	(7.3-18.4)	11.4	(6.6-16.2)	10.4	(4.0-16.8)	4.7	(1.7-7.7)*
White	23.2	(16.9-29.4)	16.4	(9.4-23.3)	13.4	(8.5-18.4)	10.3	(4.8-15.7)	6.1	(3.4-8.7)
Asian	10.3	(2.2-18.5)*	13.5	(2.4-24.5)*	8.8	(1.9-15.7)*	15.6	(6.5-24.6)	3.5	(0.0-8.0)*
Multi	13.8	(6.6-20.9)	10.0	(4.4-15.5)	11.8	(2.1-21.6)*	14.2	(3.5-24.9)*	10.3	(3.2-17.4)*
Other [†]	21.1	(6.1-36.1)*	6.6	(0.0-16.6)*	7.2	(0.0-17.2)*	17.9	(0.0-38.6)*	18.6	(0.0-44.3)*
Nativity										
US Born	16.4	(12.7-20.1)	14.3	(10.4-18.2)	10.9	(8.5-13.4)	9.9	(6.5-13.2)	5.4	(3.5-7.3)
Foreign Born	19.0	(8.9-29.1)	13.9	(7.6-20.1)	18.0	(11.8-24.2)	18.0	(8.1-28.0)	6.1	(1.0-11.3)*
Sexual Orientation										
Heterosexual	18.0	(14.4-21.7)	14.5	(10.7-18.2)	11.8	(8.9-14.8)	11.0	(7.7-14.3)	4.7	(2.9-6.4)
LGBQ	13.4	(8.3-18.5)	12.1	(5.9-18.2)	10.7	(6.7-14.6)	12.7	(6.3-19.1)	9.7	(4.8-14.7)

Notes: Only those who had ever misused prescription medication 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%);

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

Appendix K: Gone to Work/School Under Influence

Ever Gone to Work/School Under the Influence (% Yes)?

Ever Gone to Work/School Under the Influence (%Yes)			Ever Gone to Work/School Under the Influence (%Yes)		
Category	%	95% C.I.	Area	%	95% C.I.
LAC Overall	36.1	(30.2-42.0)	LAC Overall	36.1	(30.2-42.0)
Gender					
Male	39.7	(33.1-46.2)	SPA 1 †	44.6	(33.7-55.5)
Female	31.1	(23.8-38.3)	SPA 2	36.3	(26.0-46.6)
Age			SPA 3	44.9	(35.1-54.7)
12-17	55.3	(48.5-62.2)	SPA 4	29.1	(21.2-37.1)
18-25	35.3	(27.6-42.9)	SPA 5 †	34.9	(16.4-53.3)
26-34	36.1	(26.1-46.1)	SPA 6	30.4	(21.9-39.0)
35-44	35.4	(25.4-45.4)	SPA 7	41.4	(33.2-49.5)
45-54	32.3	(20.1-44.5)	SPA 8	18.2	(10.6-25.9)
55+	33.0	(23.4-42.6)			
Race/Ethnicity			SD 1	47.0	(38.6-55.4)
Latino	36.5	(31.6-41.4)	SD 2	27.8	(20.8-34.8)
Black	39.0	(32.4-45.6)	SD 3	32.7	(28.0-37.3)
White	42.4	(32.2-52.6)	SD 4	24.1	(12.8-35.3)
Asian	10.7	(0.0-23.0)*	SD 5	39.8	(29.8-49.9)
Multi	39.2	(28.0-50.5)			
Other †	28.5	(14.4-42.7)			
Nativity					
US Born	38.8	(32.3-45.3)			
Foreign Born	25.8	(13.4-38.2)			
Sexual Orientation					
Heterosexual	36.8	(30.6-43.1)			
LGBQ	37.2	(26.7-47.6)			

Notes: Only those who had ever misused prescription medication 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 prescription medication.

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

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

Appendix L: Perceived Easy Access

How Easy is it for Someone to Get Prescription Medications 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 Overall	47.1	(43.1-51.2)	62.0	(55.8-68.3)	43.6	(39.6-47.6)	LAC Overall	47.1	(43.1-51.2)	62.0	(55.8-68.3)	43.6	(39.6-47.6)
Gender													
Male	46.8	(42.0-51.6)	62.3	(55.5-69.2)	42.2	(37.5-46.9)	SPA 1	57.9	(53.9-62.0)	77.8 [†]	(65.5-90.2)	52.2	(43.9-60.6)
Female	47.5	(42.7-52.2)	61.7	(52.4-70.9)	44.9	(40.4-49.3)	SPA 2	50.0	(45.0-55.1)	69.2	(57.8-80.6)	46.4	(41.5-51.4)
Age							SPA 3	42.2	(34.3-50.1)	63.6	(55.5-71.8)	37.1	(30.6-43.6)
12-17	45.4	(41.7-49.2)	70.7	(64.5-76.9)	41.7	(37.9-45.5)	SPA 4	49.0	(39.4-58.7)	56.2	(38.5-74.0)	47.1	(38.8-55.4)
18-25	53.6	(49.6-57.5)	72.4	(66.2-78.6)	48.1	(43.9-52.3)	SPA 5	36.6	(23.8-49.5)	49.3	(21.1-77.5) [†]	32.7	(23.8-41.5)
26-34	50.1	(45.8-54.5)	62.4	(54.7-70.0)	46.1	(41.5-50.7)	SPA 6	57.9	(50.7-65.0)	71.1	(59.7-82.5)	54.9	(47.3-62.4)
35-44	49.4	(43.9-54.9)	63.5	(53.8-73.2)	46.1	(40.8-51.5)	SPA 7	47.5	(42.9-52.0)	59.3	(46.3-72.2)	45.3	(40.0-50.5)
45-54	47.9	(40.2-55.6)	66.2	(56.3-76.2)	44.4	(36.4-52.4)	SPA 8	45.6	(38.3-53.0)	61.3	(50.6-71.9)	41.7	(33.1-50.3)
55+	38.4	(31.0-45.8)	43.6	(28.8-58.5)	36.9	(29.7-44.1)							
Race/Ethnicity							SD 1	52.1	(47.7-56.5)	68.2	(59.0-77.3)	48.9	(44.0-53.9)
Latino	51.8	(49.1-54.5)	66.1	(60.1-72.0)	49.0	(46.3-51.7)	SD 2	52.2	(43.8-60.6)	66.1	(51.7-80.5)	49.0	(41.2-56.7)
Black	59.5	(52.8-66.3)	81.4	(72.9-90.0)	55.2	(48.7-61.8)	SD 3	45.5	(38.3-52.7)	55.9	(39.2-72.6)	42.7	(36.8-48.7)
White	41.4	(35.0-47.8)	56.7	(47.0-66.4)	36.0	(30.3-41.7)	SD 4	42.3	(35.9-48.7)	59.7	(50.6-68.9)	37.9	(30.9-44.8)
Asian	35.4	(26.7-44.1)	52.2	(38.6-65.9)	32.8	(25.6-39.9)	SD 5	44.2	(36.7-51.6)	61.6	(49.0-74.2)	40.1	(33.7-46.5)
Multi	56.0	(49.2-62.9)	69.9	(60.0-79.7)	51.3	(44.0-58.6)							
Other	55.0	(42.6-67.4)	60.2	(36.1-84.4) [†]	53.0	(39.8-66.1) [†]							
Nativity													
US Born	47.6	(43.1-52.1)	62.6	(55.3-69.9)	43.3	(39.2-47.5)							
Foreign Born	46.3	(41.4-51.2)	60.7	(52.7-68.7)	44.2	(39.2-49.2)							
Sexual Orientation													
Heterosexual	46.9	(42.8-51.0)	63.0	(56.8-69.2)	43.3	(39.2-47.5)							
LGBQ	48.7	(42.2-55.1)	59.2	(48.3-70.1)	42.9	(36.9-48.9)							

Notes: Users included those who had ever misused prescription medication.
 Non-Users included those who had never misused prescription medication.
[†] The estimate is statistically unstable (sample size ≤ 70); Interpret with caution.

Appendix M: Perceived Problem in Neighborhood

How Much of a Problem Is Prescription Medication Misuse 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 Overall	16.9	(14.0-19.8)	23.2	(18.4-28.0)	15.5	(12.7-18.2)	LAC Overall	16.9	(14.0-19.8)	23.2	(18.4-28.0)	15.5	(12.7-18.2)
Gender													
Male	14.5	(11.6-17.4)	22.1	(17.2-26.9)	12.3	(9.4-15.2)	SPA 1	20.8	(13.2-28.5)	41.2	(21.9-60.5) [†]	14.6	(8.7-20.6)
Female	19.2	(15.9-22.6)	24.8	(18.1-31.5)	18.2	(15.1-21.3)	SPA 2	16.5	(12.4-20.5)	24.9	(14.1-35.7)	15.0	(11.6-18.4)
Age							SPA 3	10.0	(7.4-12.5)	17.5	(12.6-22.4)	8.2	(5.3-11.1)
12-17	8.7	(6.8-10.6)	15.6	(10.0-21.1)	7.7	(6.1-9.3)	SPA 4	21.0	(12.2-29.7)	27.4	(9.7-45.1)*	19.4	(12.5-26.2)
18-25	13.6	(11.1-16.1)	24.0	(18.0-30.0)	10.7	(7.9-13.4)	SPA 5	16.6	(12.7-20.6)	18.2	(10.2-26.1) [†]	16.2	(12.0-20.5)
26-34	18.3	(14.6-22.1)	22.2	(14.9-29.5)	17.1	(13.3-21.0)	SPA 6	27.5	(21.9-33.1)	35.2	(23.6-46.7)	25.9	(19.5-32.3)
35-44	18.5	(15.3-21.6)	22.9	(14.0-31.8)	17.4	(14.5-20.3)	SPA 7	14.8	(9.4-20.1)	21.6	(11.4-31.8)	13.5	(8.4-18.6)
45-54	20.7	(14.8-26.6)	31.5	(22.9-40.1)	18.6	(12.4-24.8)	SPA 8	18.7	(12.1-25.3)	16.3	(12.4-20.3)	19.3	(11.8-26.9)
55+	17.9	(12.1-23.7)	19.3	(10.6-28.0)	17.6	(11.7-23.6)							
Race/Ethnicity							SD 1	21.2	(16.6-25.8)	32.9	(22.4-43.3)	19.0	(15.0-23.0)
Latino	19.0	(16.2-21.9)	28.5	(21.9-35.2)	17.2	(14.6-19.8)	SD 2	22.4	(16.7-28.1)	29.8	(21.7-37.9)	20.6	(14.7-26.5)
Black	26.7	(21.7-31.8)	30.9	(23.1-38.6)	25.9	(21.1-30.8)	SD 3	16.5	(11.2-21.7)	19.5	(11.2-27.8)	15.8	(10.3-21.4)
White	13.1	(9.5-16.6)	19.9	(13.3-26.4)	10.7	(6.9-14.5)	SD 4	14.8	(9.4-20.2)	12.9	(5.3-20.4)	15.3	(9.3-21.3)
Asian	11.5	(5.9-17.2)	9.2	(4.8-13.6)	11.9	(5.1-18.7)	SD 5	10.8	(5.2-16.3)	21.4	(9.4-33.4)	8.3	(3.9-12.7)
Multi	19.1	(12.4-25.8)	29.8	(17.5-42.1)	15.4	(9.7-21.2)							
Other	27.5	(17.2-37.8)	17.7	(4.6-30.8)* [†]	30.5	(17.7-43.2)							
Nativity													
US Born	14.7	(11.9-17.6)	21.1	(16.3-25.8)	13.0	(10.2-15.7)							
Foreign Born	21.6	(17.7-25.5)	30.6	(20.5-40.8)	20.3	(16.2-24.5)							
Sexual Orientation													
Heterosexual	16.6	(13.6-19.6)	23.7	(18.6-28.9)	15.0	(12.1-17.9)							
LGBQ	16.5	(12.1-21.0)	21.6	(13.4-29.7)	14.0	(9.6-18.5)							

Notes: Users included those who had ever misused prescription medication.

Non-Users included those who had never misused prescription medication.

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

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

Appendix N: Perceived Most Commonly Misused Rx Medications

In Your Opinion, Which of the Following Prescription Medications are Most Commonly Misused in Your Community? (%)

Category	Pain Medications		Don't Know		Sedatives		Stimulants	
	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC Overall	53.9	(50.1-57.7)	24.5	(22.3-26.7)	13.8	(12.2-15.4)	7.7	(6.1-9.4)
Gender								
Male	51.0	(46.8-55.1)	26.7	(24.3-29.2)	13.5	(11.6-15.4)	8.8	(6.1-11.4)
Female	56.8	(52.4-61.2)	22.3	(19.3-25.4)	14.1	(12.3-16.0)	6.7	(5.2-8.2)
Age								
12-17	31.4	(28.6-34.2)	40.2	(33.8-46.7)	21.0	(15.9-26.2)	7.3	(5.0-9.6)
18-25	45.4	(42.2-48.7)	19.4	(16.4-22.4)	20.6	(17.2-23.9)	14.6	(9.6-19.5)
26-34	54.6	(49.7-59.4)	22.8	(18.1-27.5)	13.8	(11.2-16.4)	8.9	(6.9-10.9)
35-44	63.9	(58.2-69.6)	19.3	(15.7-22.9)	10.8	(8.5-13.1)	6.0	(3.7-8.4)
45-54	61.6	(54.0-69.3)	19.6	(14.7-24.4)	11.9	(8.6-15.1)	6.9	(3.6-10.3)
55+	57.1	(51.0-63.1)	29.4	(25.0-33.8)	9.1	(5.5-12.8)	4.5	(1.9-7.1)
Race/Ethnicity								
Latino	53.1	(48.8-57.5)	24.2	(21.4-27.0)	16.2	(13.6-18.8)	6.4	(4.0-8.8)
Black	62.0	(57.7-66.2)	20.8	(17.2-24.4)	12.0	(8.7-15.3)	5.2	(3.1-7.3)
White	51.6	(45.8-57.4)	25.8	(22.3-29.3)	13.1	(10.2-16.0)	9.5	(7.5-11.6)
Asian	56.8	(47.8-65.8)	25.7	(19.7-31.7)	8.4	(4.9-11.8)	9.2	(6.4-12.0)
Multi	53.1	(46.0-60.1)	20.3	(15.9-24.8)	17.7	(14.0-21.4)	8.9	(4.2-13.6)
Other	43.4	(31.4-55.3)	25.1	(16.8-33.4)	20.6	(11.1-30.0)	11.0	(5.3-16.7)
Nativity								
US Born	49.9	(46.5-53.3)	25.6	(23.2-28.0)	16.1	(14.3-17.9)	8.4	(6.9-10.0)
Foreign Born	63.3	(57.5-69.1)	21.5	(18.3-24.7)	9.1	(7.0-11.2)	6.1	(3.4-8.7)
Sexual Orientation								
Heterosexual	54.1	(50.1-58.2)	24.4	(21.9-27.0)	13.7	(11.9-15.5)	7.7	(6.0-9.4)
LGBQ	50.8	(43.8-57.8)	20.7	(16.6-24.7)	18.7	(14.2-23.2)	9.8	(6.6-13.0)

Appendix O: Know Someone Who Misused Rx Medication

Do You Know Someone Who Has Misused Prescription Medication to Get High? (%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 Overall	49.2	(44.9-53.4)	81.1	(75.6-86.7)	41.7	(38.4-45.0)	LAC Overall	49.2	(44.9-53.4)	81.1	(75.6-86.7)	41.7	(38.4-45.0)
Gender													
Male	50.9	(45.8-56.0)	82.3	(77.1-87.6)	41.8	(37.5-46.2)	SPA 1	70.0	(65.0-75.0)	93.4	(88.3-98.6) [†]	62.9	(56.1-69.8)
Female	47.5	(42.4-52.6)	79.5	(71.4-87.6)	41.6	(37.3-46.0)	SPA 2	46.6	(38.1-55.1)	83.2	(67.4-99.1)	39.9	(32.7-47.0)
Age							SPA 3	53.3	(42.2-64.4)	92.8	(87.3-98.4)	43.9	(36.0-51.7)
12-17	41.3	(35.9-46.7)	79.1	(71.0-87.2)	35.9	(30.6-41.2)	SPA 4	45.6	(37.4-53.8)	74.6	(62.5-86.7)	38.2	(31.9-44.4)
18-25	58.8	(54.2-63.3)	88.9	(83.8-94.1)	50.1	(46.3-53.9)	SPA 5	60.2	(55.7-64.7)	95.5	(92.3-98.7) [†]	51.3	(46.7-55.8)
26-34	61.6	(55.5-67.7)	86.6	(79.4-93.8)	53.6	(48.0-59.2)	SPA 6	50.3	(43.9-56.7)	78.2	(68.7-87.6)	44.1	(37.0-51.3)
35-44	49.9	(42.1-57.8)	78.8	(68.5-89.2)	43.2	(36.5-49.8)	SPA 7	41.7	(36.0-47.4)	77.8	(68.0-87.6)	35.0	(28.7-41.3)
45-54	43.3	(36.5-50.2)	80.5	(70.1-90.9)	36.0	(30.5-41.4)	SPA 8	45.5	(34.0-56.9)	69.8	(52.6-87.1)	39.0	(29.5-48.6)
55+	42.6	(36.5-48.6)	72.3	(62.2-82.3)	35.9	(29.9-41.9)							
Race/Ethnicity							SD 1	46.5	(39.0-54.0)	83.5	(74.2-92.8)	39.4	(32.7-46.1)
Latino	42.5	(38.3-46.7)	73.8	(66.3-81.3)	36.4	(33.0-39.8)	SD 2	48.6	(43.8-53.4)	73.5	(64.3-82.8)	42.5	(38.7-46.4)
Black	53.0	(46.7-59.2)	79.6	(75.0-84.3)	47.8	(40.7-55.0)	SD 3	51.3	(42.6-60.0)	88.2	(79.1-97.3)	42.6	(35.7-49.5)
White	64.9	(61.1-68.8)	93.2	(89.7-96.6)	55.3	(51.8-58.8)	SD 4	43.5	(33.6-53.5)	72.4	(57.5-87.2)	36.2	(27.7-44.8)
Asian	34.8	(28.6-41.0)	66.0	(48.5-83.6)	29.5	(25.8-33.2)	SD 5	55.4	(45.0-65.8)	91.7	(86.1-97.2)	46.8	(36.4-57.3)
Multi	63.3	(55.7-70.9)	86.4	(77.2-95.7)	55.4	(47.6-63.3)							
Other	64.0	(54.1-74.0)	82.8	(66.4-99.3) [†]	58.4	(46.5-70.3)							
Nativity													
US Born	58.8	(55.3-62.3)	89.6	(86.4-92.8)	50.3	(47.4-53.2)							
Foreign Born	29.0	(24.6-33.3)	50.2	(39.3-61.0)	26.0	(22.3-29.7)							
Sexual Orientation													
Heterosexual	49.9	(45.6-54.2)	82.5	(77.1-87.9)	42.8	(39.4-46.2)							
LGBQ	61.0	(54.6-67.4)	85.8	(79.5-92.1)	48.1	(41.6-54.6)							

Notes: Users included those who had ever misused prescription medication.
 Non-Users included those who had never misused prescription medication.
[†] The estimate is statistically unstable (sample size ≤ 70); Interpret with caution.

Appendix P: Perceived Risk of Youth Harm

How Much Do You Think *Youth* Risk Harming Themselves If They Occasionally Misuse Prescription Medications? (% 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 Overall	54.5	(52.0-57.0)	46.8	(42.3-51.3)	56.4	(53.7-59.2)	LAC Overall	54.5	(52.0-57.0)	46.8	(42.3-51.3)	56.4	(53.7-59.2)
Gender													
Male	50.4	(47.0-53.7)	44.0	(38.2-49.8)	52.5	(48.6-56.4)	SPA 1	60.8	(54.6-67.0)	64.9	(48.8-81.1) †	59.6	(55.8-63.3)
Female	58.5	(55.3-61.7)	50.7	(45.2-56.2)	59.9	(56.6-63.2)	SPA 2	51.6	(42.7-60.5)	41.4	(31.0-51.8)	54.1	(45.4-62.8)
Age							SPA 3	55.2	(51.7-58.7)	51.7	(39.4-63.9)	56.1	(51.4-60.8)
12-17	30.5	(26.6-34.4)	25.5	(19.5-31.5)	31.3	(27.3-35.3)	SPA 4	54.7	(50.0-59.5)	45.2	(35.6-54.8)	57.1	(52.1-62.2)
18-25	39.0	(35.8-42.3)	35.9	(28.1-43.7)	39.9	(36.5-43.3)	SPA 5	50.9	(44.9-56.9)	40.3	(26.2-54.4) †	54.2	(43.0-65.5)
26-34	49.3	(45.0-53.6)	41.2	(34.0-48.5)	52.0	(46.7-57.3)	SPA 6	51.2	(45.8-56.7)	35.5	(22.4-48.6)	54.7	(49.0-60.3)
35-44	61.3	(57.0-65.6)	49.1	(37.5-60.7)	64.4	(59.5-69.3)	SPA 7	61.2	(55.4-67.1)	53.3	(47.4-59.2)	62.7	(55.4-70.0)
45-54	66.3	(60.6-72.0)	56.4	(46.0-66.7)	68.4	(62.4-74.5)	SPA 8	63.6	(54.8-72.5)	54.2	(38.9-69.5)	66.1	(58.8-73.4)
55+	66.1	(61.3-70.8)	60.2	(51.3-69.1)	67.7	(61.5-73.8)							
Race/Ethnicity							SD 1	58.3	(55.7-61.0)	56.7	(50.2-63.2)	58.6	(55.3-62.0)
Latino	54.3	(50.6-58.0)	49.1	(43.6-54.6)	55.5	(51.7-59.4)	SD 2	53.2	(49.2-57.3)	40.9	(32.9-49.0)	56.2	(51.5-60.9)
Black	57.3	(52.6-62.1)	51.4	(40.4-62.4)	58.4	(54.1-62.8)	SD 3	53.3	(45.8-60.7)	42.8	(36.0-49.5)	56.4	(48.3-64.5)
White	53.7	(48.2-59.1)	48.4	(40.0-56.8)	55.6	(49.2-62.0)	SD 4	61.2	(54.5-67.8)	51.6	(39.5-63.6)	63.6	(57.2-70.1)
Asian	56.4	(51.0-61.8)	33.2	(20.5-45.8)	60.4	(54.9-65.9)	SD 5	54.9	(51.8-58.0)	48.9	(39.1-58.8)	56.4	(53.0-59.9)
Multi	46.8	(40.7-52.9)	34.6	(22.7-46.4)	50.8	(44.6-57.1)							
Other	58.2	(49.1-67.3)	56.5	(34.9-78.1) †	59.5	(49.0-70.1)							
Nativity													
US Born	50.1	(46.7-53.5)	47.0	(42.1-51.9)	51.1	(47.2-54.9)							
Foreign Born	65.5	(61.4-69.5)	47.2	(39.0-55.4)	68.2	(63.8-72.5)							
Sexual Orientation													
Heterosexual	54.5	(51.4-57.6)	47.0	(41.9-52.1)	56.3	(53.1-59.5)							
LGBQ	46.6	(41.4-51.8)	45.9	(36.7-55.0)	47.2	(41.7-52.8)							

Notes: Users included those who had ever misused prescription medications.
 Non-Users included those who had never misused prescription medications.
 Occasional prescription misuse was defined as misusing prescription medication about once a month.

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

Appendix Q: Perceived Risk of Adult Harm

How Much Do You Think *Adult* Risk Harming Themselves If They Occasionally Misuse Prescription Medications? (% 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 Overall	45.0	(42.8-47.2)	38.1	(34.2-42.0)	46.6	(44.1-49.0)	LAC Overall	45.0	(42.8-47.2)	38.1	(34.2-42.0)	46.6	(44.1-49.0)
Gender							SPA 1	43.8	(38.5-49.2)	47.4	(29.7-65.1) [†]	42.8	(38.0-47.5)
Male	42.7	(40.1-45.4)	36.8	(32.0-41.6)	44.5	(41.2-47.7)	SPA 2	42.7	(35.4-50.0)	38.5	(28.2-48.8)	43.9	(36.6-51.1)
Female	47.1	(43.9-50.3)	39.9	(33.2-46.6)	48.4	(45.3-51.5)	SPA 3	47.0	(43.7-50.4)	43.9	(31.8-56.0)	47.8	(43.0-52.5)
Age							SPA 4	44.2	(37.8-50.6)	37.0	(29.8-44.2)	46.0	(39.3-52.8)
12-17	26.1	(23.6-28.5)	20.2	(15.2-25.2)	26.9	(24.4-29.5)	SPA 5	34.5	(27.2-41.8)	23.3	(16.7-29.9) [†]	36.7	(28.4-44.9)
18-25	35.7	(32.5-38.9)	38.1	(31.8-44.5)	34.9	(31.6-38.3)	SPA 6	47.3	(41.8-52.8)	43.7	(34.4-53.0)	47.7	(41.0-54.4)
26-34	39.3	(35.1-43.5)	31.8	(24.3-39.4)	41.4	(36.8-46.1)	SPA 7	50.7	(44.4-57.0)	37.2	(28.6-45.9)	53.2	(46.2-60.2)
35-44	48.0	(43.6-52.5)	39.0	(28.4-49.6)	50.4	(45.8-55.0)	SPA 8	51.5	(44.8-58.2)	40.6	(26.6-54.7)	54.4	(48.9-59.8)
45-54	56.2	(50.4-61.9)	47.7	(37.1-58.2)	58.0	(52.0-64.0)	SD 1	49.6	(46.4-52.8)	48.6	(38.8-58.4)	49.7	(45.9-53.6)
55+	53.4	(47.5-59.2)	42.3	(33.0-51.6)	55.8	(48.4-63.1)	SD 2	47.0	(42.1-52.0)	41.6	(33.8-49.4)	48.1	(42.8-53.4)
Race/Ethnicity							SD 3	39.0	(32.2-45.8)	34.7	(29.0-40.3)	40.0	(33.0-47.1)
Latino	46.9	(44.2-49.6)	43.4	(38.8-48.0)	47.6	(44.5-50.8)	SD 4	48.8	(43.3-54.3)	34.2	(23.4-45.0)	52.5	(47.1-57.9)
Black	47.7	(43.7-51.6)	40.6	(32.5-48.6)	48.9	(45.1-52.8)	SD 5	45.6	(42.6-48.6)	37.7	(29.1-46.2)	47.5	(43.8-51.3)
White	41.5	(38.2-44.8)	35.3	(27.8-42.8)	43.5	(40.1-46.9)							
Asian	44.8	(40.8-48.9)	27.2	(18.3-36.2)	47.8	(42.7-52.9)							
Multi	40.6	(33.0-48.2)	41.4	(24.1-58.7)	40.4	(32.8-47.9)							
Other	50.4	(40.0-60.9)	38.5	(11.9-65.1) [†]	54.7	(43.4-66.1)							
Nativity													
US Born	41.7	(39.6-43.7)	37.6	(33.0-42.3)	42.7	(40.5-44.9)							
Foreign Born	53.2	(49.1-57.3)	39.1	(29.9-48.3)	55.1	(50.7-59.6)							
Sexual Orientation													
Heterosexual	45.3	(42.8-47.8)	38.9	(34.5-43.4)	46.7	(43.9-49.4)							
LGBQ	36.9	(30.8-43.0)	34.3	(26.9-41.7)	38.5	(30.9-46.1)							

Notes: Users included those who had ever misused prescription medication.
 Non-Users included those who had never misused prescription medication.
 Occasional prescription misuse was defined as using prescription medication about once a month.
[†] The estimate is statistically unstable (sample size ≤ 70); Interpret with caution.

Appendix R: Perceived Harms

In What Ways Do You Think Prescription Medication Misuse Can Cause Harm?

Category	DUI		Overdose/Death		Physical Health		Illegal Activities		Mental Health		Perform Poorly	
	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC Overall	77.9	(74.9-81.0)	65.1	(61.9-68.4)	61.2	(57.3-65.0)	60.3	(57.9-62.6)	50.7	(47.5-54.0)	37.5	(35.2-39.7)
LAC Users	78.6	(73.7-83.4)	61.5	(56.4-66.5)	58.7	(52.5-64.9)	60.2	(55.3-65.0)	49.8	(44.7-54.9)	31.3	(27.6-35.0)
LAC Non-Users	77.8	(75.0-80.6)	66.0	(62.7-69.3)	61.8	(57.8-65.8)	60.2	(57.7-62.6)	51.0	(47.8-54.2)	38.8	(36.5-41.2)
Gender												
Male	75.2	(71.1-79.3)	58.7	(53.8-63.5)	57.5	(53.5-61.5)	61.1	(58.5-63.7)	45.7	(42.0-49.5)	37.3	(34.4-40.1)
Female	80.6	(77.8-83.4)	71.3	(69.0-73.6)	64.7	(60.4-68.9)	59.5	(56.5-62.4)	55.6	(52.5-58.7)	37.6	(34.9-40.4)
Age												
12-17	56.8	(53.1-60.4)	60.8	(55.6-66.0)	58.6	(53.0-64.3)	62.7	(59.5-65.9)	49.7	(44.2-55.2)	34.6	(32.2-37.0)
18-25	75.9	(72.2-79.6)	64.0	(59.0-69.0)	60.3	(54.9-65.6)	59.6	(55.3-63.9)	54.8	(50.5-59.0)	34.3	(30.0-38.6)
26-34	80.5	(76.5-84.5)	69.0	(64.5-73.5)	63.4	(59.5-67.2)	61.1	(56.9-65.2)	56.3	(51.8-60.8)	35.8	(32.2-39.3)
35-44	82.4	(78.5-86.4)	68.3	(64.2-72.4)	64.0	(58.8-69.3)	58.5	(53.2-63.7)	54.2	(49.9-58.5)	35.0	(31.1-38.8)
45-54	80.2	(74.7-85.7)	61.1	(56.5-65.7)	56.2	(50.2-62.2)	59.7	(55.6-63.8)	45.3	(40.1-50.5)	38.5	(33.5-43.5)
55+	83.7	(79.0-88.5)	66.7	(60.9-72.5)	64.0	(58.5-69.4)	60.8	(56.2-65.5)	46.6	(41.5-51.7)	43.9	(40.2-47.6)
Race/Ethnicity												
Latino	75.0	(70.7-79.4)	63.9	(59.3-68.6)	57.7	(53.8-61.6)	59.5	(56.7-62.3)	51.2	(48.1-54.3)	35.1	(32.6-37.5)
Black	77.2	(72.5-81.8)	60.0	(53.1-67.0)	51.5	(44.5-58.6)	57.3	(50.1-64.4)	39.3	(33.9-44.7)	35.0	(32.6-37.4)
White	84.4	(80.9-87.9)	68.6	(64.9-72.4)	66.3	(61.7-70.9)	63.5	(59.3-67.6)	52.7	(47.7-57.7)	37.9	(34.6-41.3)
Asian	75.7	(71.5-79.9)	64.9	(60.9-68.9)	67.3	(60.3-74.2)	57.5	(51.0-64.1)	51.0	(41.1-60.9)	45.0	(41.6-48.3)
Multi	75.3	(68.9-81.7)	64.5	(59.9-69.1)	64.5	(58.6-70.4)	60.9	(53.8-67.9)	56.1	(49.9-62.3)	41.8	(36.5-47.1)
Other [†]	73.1	(64.8-81.4)	66.4	(55.0-77.8)	57.6	(47.2-68.0)	54.3	(43.3-65.3)	56.8	(49.3-64.3)	33.4	(21.9-44.8)
Nativity												
US Born	78.5	(75.3-81.6)	66.3	(63.2-69.5)	62.1	(58.4-65.8)	61.4	(59.0-63.8)	51.2	(47.3-55.0)	36.5	(34.0-38.9)
Foreign Born	78.0	(73.3-82.8)	63.9	(59.1-68.6)	59.8	(54.4-65.3)	57.1	(52.6-61.6)	50.1	(44.7-55.5)	40.3	(36.6-44.0)
Sexual Orientation												
Heterosexual	78.6	(75.6-81.6)	65.2	(62.0-68.4)	61.7	(57.4-66.1)	60.8	(58.3-63.3)	50.1	(47.0-53.2)	38.2	(36.1-40.2)
LGBQ	75.3	(69.4-81.3)	66.6	(61.3-71.9)	61.4	(56.6-66.2)	56.8	(51.1-62.5)	53.6	(46.4-60.8)	32.1	(25.5-38.8)

Notes: Only those who had ever misused prescription medication were asked this question.

Respondents selected their top 5 choices.

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

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

Appendix R: Perceived Harms (Cont.)

In What Ways Do You Think Prescription Medication Misuse Can Cause Harm?

Category	Personal Motivation		Family Trouble		Work/School Trouble		Other		No Harms	
	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC Overall	29.9	(27.4-32.3)	27.9	(25.7-30.1)	24.8	(22.9-26.6)	5.0	(4.3-5.8)	1.5	(0.8-2.1)
LAC Users	30.5	(26.6-34.3)	26.3	(22.2-30.3)	22.4	(18.7-26.1)	6.6	(4.5-8.7)	1.2	(0.5-1.9)
LAC Non-Users	29.7	(27.4-32.1)	28.2	(25.9-30.6)	25.2	(23.4-27.0)	4.7	(3.8-5.5)	1.5	(0.8-2.3)
Gender										
Male	29.9	(26.8-33.0)	29.0	(25.9-32.1)	26.1	(23.4-28.8)	5.5	(4.4-6.6)	1.6	(0.8-2.4)
Female	29.8	(27.0-32.7)	26.8	(24.7-28.9)	23.5	(21.1-25.8)	4.6	(3.9-5.4)	1.4	(0.7-2.0)
Age										
12-17	26.1	(23.4-28.9)	27.3	(24.9-29.6)	29.1	(27.1-31.1)	6.3	(4.8-7.9)	3.3	(2.2-4.4)
18-25	32.7	(28.0-37.5)	25.5	(21.0-29.9)	22.3	(19.4-25.2)	2.9	(1.8-4.1)	1.7	(0.4-2.9)*
26-34	31.2	(27.5-34.9)	27.1	(23.8-30.4)	23.8	(20.0-27.6)	4.4	(3.0-5.9)	1.5	(0.4-2.6)*
35-44	27.1	(23.8-30.3)	25.8	(21.8-29.8)	24.2	(20.1-28.3)	5.2	(3.2-7.2)	0.5	(0.0-1.0)*
45-54	28.3	(23.7-32.9)	28.3	(22.4-34.1)	22.9	(19.8-26.1)	5.9	(3.7-8.0)	1.3	(0.5-2.2)*
55+	33.2	(27.6-38.7)	32.0	(27.3-36.8)	27.0	(22.9-31.0)	5.3	(3.4-7.3)	1.2	(0.0-2.5)*
Race/Ethnicity										
Latino	27.4	(24.7-30.1)	29.2	(25.9-32.5)	25.9	(23.1-28.8)	5.0	(4.1-5.9)	2.0	(1.0-3.1)
Black	23.2	(21.1-25.3)	21.8	(16.9-26.7)	19.7	(17.4-22.0)	5.1	(4.0-6.1)	1.9	(0.9-2.8)
White	35.6	(31.1-40.0)	27.8	(24.6-30.9)	23.8	(20.7-26.9)	5.7	(4.0-7.3)	1.1	(0.4-1.7)*
Asian	29.9	(24.5-35.3)	27.4	(21.9-32.9)	25.9	(20.6-31.1)	2.9	(0.1-5.8)*	0.1	(0.0-0.3)*
Multi	33.8	(28.3-39.3)	27.6	(20.9-34.2)	22.6	(18.9-26.3)	11.0	(6.8-15.2)	1.6	(0.4-2.9)*
Other †	29.0	(21.2-36.8)	32.5	(23.1-42.0)	28.3	(21.2-35.3)	13.9	(7.1-20.8)	3.3	(0.5-6.1)*
Nativity										
US Born	31.0	(28.2-33.9)	26.8	(24.7-29.0)	23.7	(21.7-25.7)	5.7	(4.8-6.6)	1.5	(0.9-2.1)
Foreign Born	28.0	(24.7-31.4)	30.5	(27.1-33.8)	27.6	(23.8-31.4)	3.6	(2.3-4.9)	1.3	(0.2-2.3)*
Sexual Orientation										
Heterosexual	29.8	(27.3-32.3)	27.6	(25.4-29.9)	24.3	(22.3-26.3)	4.9	(4.0-5.8)	1.5	(0.8-2.2)
LGBQ	33.5	(27.7-39.3)	28.3	(24.5-32.1)	27.2	(20.7-33.8)	6.5	(3.6-9.3)	1.5	(0.4-2.6)*

Notes: Only those who had ever misused prescription medication were asked this question.

Respondents selected their top 5 choices.

*Other" included "all of the above", "gateway drug", "suicide/self harm", etc.

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

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

Appendix S: Perceived Safety of Rx Medications

It is Safer to Use Prescription Medication to Get High than Illegal Street Drugs. (%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 Overall	29.7	(26.9-32.5)	28.6	(24.3-32.8)	29.9	(27.2-32.7)	LAC Overall	29.7	(26.9-32.5)	28.6	(24.3-32.8)	29.9	(27.2-32.7)
Gender													
Male	29.2	(26.6-31.7)	30.1	(24.6-35.6)	28.9	(26.5-31.2)	SPA 1	26.3	(21.6-31.1)	20.4	(13.3-27.4) [†]	28.1	(21.7-34.5)
Female	30.1	(26.4-33.9)	26.4	(21.0-31.8)	30.9	(27.1-34.7)	SPA 2	34.9	(29.0-40.9)	34.1	(21.4-46.9)	34.9	(26.8-43.1)
Age							SPA 3	25.7	(22.1-29.3)	22.0	(14.1-29.9)	26.6	(23.5-29.7)
12-17	43.1	(40.3-45.9)	40.9	(34.2-47.7)	43.4	(40.5-46.2)	SPA 4	38.1	(33.1-43.0)	32.9	(25.8-40.0)	39.4	(34.8-44.0)
18-25	27.9	(24.9-31.0)	30.6	(26.3-34.8)	27.2	(23.4-31.0)	SPA 5	27.9	(17.3-38.5)	26.3	(2.4-50.2) ^{*†}	28.6	(19.4-37.8)
26-34	24.4	(20.2-28.6)	21.0	(14.4-27.5)	25.7	(21.2-30.1)	SPA 6	29.3	(23.4-35.2)	29.1	(21.1-37.1)	29.3	(22.8-35.9)
35-44	28.0	(23.4-32.7)	24.3	(15.9-32.7)	28.8	(23.5-34.0)	SPA 7	28.8	(21.7-35.9)	26.0	(17.2-34.9)	29.3	(20.9-37.7)
45-54	29.1	(23.6-34.5)	27.8	(18.0-37.6)	29.4	(23.4-35.3)	SPA 8	19.8	(16.9-22.8)	25.2	(15.8-34.5)	18.5	(15.6-21.4)
55+	29.0	(24.6-33.4)	34.1	(24.3-43.9)	27.8	(23.4-32.3)							
Race/Ethnicity							SD 1	32.3	(25.5-39.2)	26.9	(18.2-35.7)	33.4	(26.6-40.1)
Latino	35.8	(31.7-39.8)	32.5	(27.0-37.9)	36.4	(32.2-40.6)	SD 2	30.7	(26.1-35.4)	32.5	(27.9-37.0)	30.5	(24.9-36.0)
Black	24.0	(21.3-26.6)	24.2	(12.7-35.7)	23.7	(21.4-26.1)	SD 3	35.1	(28.3-41.9)	27.2	(18.1-36.3)	37.0	(29.5-44.4)
White	24.2	(22.1-26.4)	25.5	(18.7-32.2)	23.9	(21.3-26.4)	SD 4	20.7	(17.9-23.5)	22.1	(14.0-30.1)	20.4	(16.5-24.2)
Asian	25.3	(20.7-29.9)	29.2	(13.6-44.9)	24.7	(19.8-29.7)	SD 5	26.7	(23.2-30.1)	27.7	(19.3-36.0)	26.4	(22.1-30.8)
Multi	24.4	(19.6-29.2)	25.6	(15.1-36.2)	24.0	(18.7-29.3)							
Other	30.7	(21.3-40.0)	11.7	(0.9-22.4) ^{*†}	35.5	(24.6-46.3)							
Nativity													
US Born	26.6	(24.6-28.6)	26.4	(22.0-30.8)	26.7	(24.7-28.6)							
Foreign Born	35.7	(30.1-41.3)	35.8	(22.6-48.9)	35.7	(30.1-41.4)							
Sexual Orientation													
Heterosexual	28.7	(25.9-31.4)	28.9	(24.3-33.4)	28.7	(26.0-31.3)							
LGBQ	27.1	(21.9-32.2)	22.9	(14.9-30.8)	28.7	(23.8-33.7)							

Notes: Users included those who had ever misused prescription medication.

Non-Users included those who had never misused prescription medication.

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

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

Appendix T: Perception on Recommended Dosage

It is OK to Take More Than Recommended Dosage of Prescription Medication if You are Feeling More Painful Than Usual (%Agree/Strongly Agree)

Category	Overall		Users		Non-Users	
	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC Overall	16.8	(15.1-18.6)	25.8	(21.9-29.8)	14.7	(13.1-16.4)
Gender						
Male	19.0	(16.8-21.2)	29.0	(23.9-34.1)	16.1	(13.8-18.4)
Female	14.7	(13.0-16.4)	21.4	(16.2-26.7)	13.5	(11.9-15.1)
Age						
12-17	23.1	(21.3-24.8)	37.6	(32.0-43.2)	21.0	(19.3-22.6)
18-25	21.5	(18.1-24.9)	34.2	(28.7-39.8)	17.8	(14.4-21.2)
26-34	15.7	(13.1-18.3)	22.2	(17.1-27.2)	13.6	(10.8-16.4)
35-44	15.6	(13.0-18.2)	26.3	(17.9-34.8)	13.0	(10.6-15.5)
45-54	13.9	(10.3-17.5)	22.2	(13.5-31.0)	12.2	(8.6-15.9)
55+	14.6	(10.5-18.7)	20.1	(8.9-31.2)	13.4	(9.0-17.8)
Race/Ethnicity						
Latino	18.5	(16.1-20.8)	27.9	(22.8-33.0)	16.7	(14.3-19.0)
Black	16.5	(14.0-19.0)	28.6	(20.4-36.8)	13.9	(12.0-15.9)
White	15.4	(12.2-18.5)	25.6	(19.8-31.4)	11.9	(8.3-15.5)
Asian	14.0	(9.6-18.3)	16.6	(6.6-26.5)	13.6	(9.4-17.8)
Multi	20.3	(15.6-25.1)	31.9	(18.3-45.6)	16.4	(10.9-21.9)
Other	21.1	(13.3-29.0)	17.0	(7.9-26.2) [†]	21.3	(10.8-31.7)
Nativity						
US Born	17.1	(15.5-18.6)	25.1	(21.4-28.7)	14.8	(13.3-16.4)
Foreign Born	15.4	(12.0-18.8)	26.9	(14.3-39.6)	13.8	(10.9-16.7)
Sexual Orientation						
Heterosexual	16.0	(13.9-18.1)	25.5	(21.1-30.0)	13.9	(12.0-15.9)
LGBQ	22.8	(17.3-28.3)	26.3	(17.7-34.9)	21.1	(14.3-27.9)

Area	Overall		Users		Non-Users	
	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC Overall	16.8	(15.1-18.6)	25.8	(21.9-29.8)	14.7	(13.1-16.4)
SPA 1	14.3	(12.5-16.1)	22.6	(8.4-36.8) ^{* †}	11.7	(7.7-15.7)
SPA 2	13.7	(10.9-16.5)	21.2	(14.6-27.8)	12.4	(9.0-15.7)
SPA 3	16.8	(11.4-22.2)	27.7	(17.9-37.6)	14.2	(8.6-19.8)
SPA 4	21.5	(19.1-23.9)	38.2	(32.5-44.0)	17.2	(13.7-20.7)
SPA 5	14.8	(11.6-18.1)	27.9	(16.5-39.2) [†]	11.6	(9.2-14.0)
SPA 6	18.2	(14.2-22.3)	28.7	(19.9-37.4)	15.8	(12.3-19.3)
SPA 7	12.3	(7.8-16.7)	24.8	(13.1-36.4)	9.9	(6.5-13.4)
SPA 8	14.5	(11.5-17.5)	13.3	(8.9-17.7)	15.0	(11.6-18.3)
SD 1	16.2	(13.2-19.2)	28.4	(19.4-37.5)	13.9	(10.9-16.8)
SD 2	19.8	(17.1-22.6)	31.1	(23.3-38.9)	17.1	(14.8-19.4)
SD 3	16.2	(13.0-19.4)	29.4	(21.0-37.7)	13.2	(10.6-15.8)
SD 4	10.8	(7.9-13.7)	11.4	(6.9-16.0)	10.6	(7.0-14.3)
SD 5	16.9	(11.7-22.1)	29.5	(21.2-37.7)	13.9	(8.5-19.3)

Notes: Users included those who had ever misused prescription medication.

Non-Users included those who had never misused prescription medication.

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

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

Appendix U: Unused Rx Medications

Do You Currently Have Unused Prescription Medications Where You Live? (% Yes)

Category	Overall		Users		Non-Users	
	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC Overall	33.5	(30.4-36.5)	46.3	(41.4-51.2)	30.4	(27.1-33.8)
Gender						
Male	31.2	(28.2-34.1)	42.6	(37.1-48.1)	27.9	(24.2-31.6)
Female	35.6	(32.0-39.3)	51.4	(43.9-58.9)	32.7	(29.0-36.3)
Age						
12-17	21.3	(17.2-25.3)	34.8	(25.8-43.9)	19.2	(15.6-22.8)
18-25	30.5	(26.9-34.1)	45.2	(36.8-53.5)	26.3	(22.0-30.7)
26-34	33.8	(28.0-39.5)	46.9	(39.8-54.0)	29.6	(23.6-35.7)
35-44	35.0	(30.3-39.6)	43.2	(34.2-52.2)	33.1	(27.4-38.8)
45-54	36.8	(30.8-42.8)	50.1	(35.8-64.4)	34.2	(28.4-40.0)
55+	37.9	(32.6-43.3)	50.9	(41.1-60.8)	34.7	(28.4-41.1)
Race/Ethnicity						
Latino	28.5	(25.7-31.2)	45.0	(40.1-50.0)	25.4	(22.2-28.5)
Black	27.6	(23.5-31.7)	47.2	(38.0-56.3)	23.9	(19.5-28.3)
White	40.6	(36.2-45.1)	46.4	(37.3-55.4)	38.5	(34.4-42.6)
Asian	38.4	(33.8-42.9)	52.7	(33.9-71.6)	35.6	(28.9-42.3)
Multi	32.7	(27.3-38.1)	35.2	(24.2-46.1)	31.8	(26.1-37.6)
Other	28.2	(20.3-36.0)	29.1	(11.8-46.5) [†]	27.0	(16.6-37.3)
Nativity						
US Born	35.1	(31.8-38.4)	45.9	(40.3-51.5)	32.0	(28.8-35.3)
Foreign Born	30.5	(26.8-34.2)	46.8	(35.1-58.6)	28.2	(23.7-32.7)
Sexual Orientation						
Heterosexual	33.5	(30.6-36.4)	44.2	(39.3-49.1)	31.1	(27.9-34.3)
LGBQ	40.6	(34.0-47.2)	53.9	(41.4-66.4)	34.0	(27.3-40.7)

Area	Overall		Users		Non-Users	
	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC Overall	33.5	(30.4-36.5)	46.3	(41.4-51.2)	30.4	(27.1-33.8)
SPA 1	40.6	(35.5-45.7)	45.9	(17.6-74.2) ^{*†}	39.0	(33.3-44.7)
SPA 2	31.2	(25.8-36.7)	47.8	(39.8-55.7)	28.5	(22.7-34.2)
SPA 3	38.8	(31.3-46.2)	50.5	(40.5-60.5)	36.0	(27.9-44.1)
SPA 4	32.0	(24.6-39.5)	49.0	(42.9-55.2)	27.7	(19.8-35.5)
SPA 5	44.1	(36.1-52.0)	53.1	(40.2-66.1) [†]	41.1	(31.2-51.1)
SPA 6	26.9	(22.3-31.5)	45.5	(33.6-57.3)	22.9	(19.4-26.4)
SPA 7	32.8	(26.9-38.7)	38.2	(28.3-48.1)	31.8	(26.1-37.5)
SPA 8	34.4	(28.2-40.7)	48.1	(33.5-62.8)	30.3	(23.1-37.6)
SD 1	31.8	(27.6-36.0)	49.1	(42.1-56.1)	28.5	(22.8-34.2)
SD 2	31.5	(26.4-36.5)	40.5	(32.7-48.3)	29.1	(22.6-35.5)
SD 3	34.6	(26.6-42.6)	53.8	(46.9-60.7)	30.0	(22.4-37.6)
SD 4	33.0	(26.0-40.0)	46.1	(33.9-58.4)	29.7	(22.7-36.6)
SD 5	40.8	(34.2-47.3)	49.5	(35.9-63.1)	38.7	(32.8-44.7)

Notes: Users included those who had ever misused prescription medication.

Non-Users included those who had never misused prescription medication.

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

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

Appendix V: Safe Disposal

What Do You Think are the Best Ways to Dispose of Unused or Expired (Left-over) Prescription Medications?

Category	Drop-off Locations		Safe Drug Sheriff Station		Flush Down in Toilet		Hospitals/Pharmacies		Throw in Trash		Mix and Throw [†]	
	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC Overall	46.0	(42.0-50.0)	38.9	(34.1-43.6)	34.1	(29.9-38.2)	24.5	(22.4-26.5)	24.4	(22.1-26.6)	9.4	(7.9-10.9)
Gender												
Male	43.1	(37.7-48.5)	37.3	(31.3-43.3)	34.2	(29.4-39.1)	24.6	(21.9-27.3)	25.3	(22.9-27.7)	8.6	(6.9-10.3)
Female	48.8	(45.0-52.6)	40.4	(36.0-44.7)	34.0	(29.8-38.1)	24.3	(22.3-26.4)	23.5	(20.7-26.3)	10.2	(7.8-12.5)
Age												
12-17	28.3	(25.1-31.5)	30.6	(26.9-34.2)	34.6	(30.4-38.7)	21.6	(19.4-23.8)	40.6	(37.8-43.4)	13.6	(11.7-15.5)
18-25	34.8	(30.7-38.8)	35.5	(31.6-39.5)	36.5	(32.1-41.0)	21.4	(17.5-25.2)	35.9	(32.1-39.7)	10.4	(7.8-12.9)
26-34	42.6	(38.0-47.1)	37.7	(31.8-43.6)	39.3	(35.6-43.0)	22.3	(19.1-25.5)	24.9	(21.1-28.7)	9.1	(6.7-11.6)
35-44	49.0	(44.4-53.6)	38.2	(32.6-43.8)	37.1	(31.2-42.9)	26.1	(21.5-30.6)	22.9	(18.4-27.5)	8.1	(5.5-10.6)
45-54	53.0	(45.5-60.5)	41.5	(33.2-49.7)	32.6	(26.2-39.1)	26.0	(22.6-29.5)	18.1	(13.4-22.7)	7.7	(5.1-10.3)
55+	57.4	(50.7-64.2)	45.1	(37.1-53.2)	26.9	(20.8-33.0)	27.1	(22.5-31.7)	13.6	(10.5-16.7)	9.2	(6.4-12.1)
Race/Ethnicity												
Latino	40.1	(35.9-44.4)	32.4	(29.2-35.7)	36.5	(33.5-39.5)	24.8	(22.8-26.9)	28.9	(26.1-31.8)	9.0	(7.6-10.4)
Black	38.4	(29.6-47.2)	31.3	(23.1-39.6)	50.7	(43.6-57.8)	17.6	(13.5-21.6)	22.5	(18.4-26.6)	8.4	(6.0-10.9)
White	55.3	(51.1-59.6)	48.4	(42.2-54.5)	31.9	(25.8-38.1)	24.6	(21.3-28.0)	17.1	(14.2-20.0)	12.4	(9.3-15.4)
Asian	51.5	(45.7-57.3)	45.3	(40.2-50.4)	21.0	(14.0-27.9)	26.8	(20.7-32.8)	25.5	(19.2-31.7)	5.6	(1.8-9.4)*
Multi	41.3	(34.3-48.3)	36.3	(27.9-44.7)	36.9	(28.8-45.0)	27.5	(21.8-33.2)	23.0	(18.1-27.9)	8.0	(5.0-11.0)
Other	39.9	(29.1-50.8)	32.6	(20.4-44.7)	37.4	(30.1-44.7)	23.2	(14.2-32.2)	31.2	(22.7-39.7)	6.9	(2.5-11.4)*
Nativity												
US Born	45.9	(41.3-50.5)	41.5	(36.4-46.7)	35.2	(30.7-39.8)	23.1	(20.7-25.6)	23.6	(20.8-26.4)	11.0	(9.1-12.9)
Foreign Born	48.2	(42.9-53.4)	33.7	(28.6-38.9)	30.9	(25.6-36.1)	28.3	(25.1-31.4)	24.8	(21.3-28.4)	5.8	(3.9-7.7)
Sexual Orientation												
Heterosexual	46.7	(42.5-50.9)	39.7	(34.6-44.8)	34.2	(29.9-38.6)	24.6	(22.4-26.9)	24.1	(22.0-26.2)	9.3	(7.6-11.0)
LGBQ	42.9	(37.5-48.4)	37.4	(31.8-43.1)	31.9	(25.3-38.5)	24.5	(19.3-29.7)	26.1	(20.4-31.8)	11.6	(7.7-15.4)

Notes: Respondents selected all choices that applied.

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

† "Mix and throw" is defined as mixing with other materials (e.g., cat litter) and throwing in the trash.

Appendix V: Safe Disposal (Cont.)

What Do You Think are the Best Ways to Dispose of Unused or Expired (Left-over) Prescription Medications?

Category	Don't Know		Give Away		Other	
	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC Overall	8.0	(6.7-9.4)	2.5	(1.7-3.4)	2.2	(1.6-2.7)
Gender						
Male	8.8	(6.7-11.0)	3.5	(2.1-4.8)	2.2	(1.3-3.1)
Female	7.3	(6.1-8.4)	1.6	(1.0-2.3)	2.1	(1.4-2.8)
Age						
12-17	14.2	(12.4-16.0)	4.7	(3.4-5.9)	3.1	(2.1-4.0)
18-25	9.7	(7.2-12.3)	3.4	(2.3-4.5)	1.0	(0.4-1.7)
26-34	7.7	(5.5-10.0)	1.7	(0.7-2.7)	1.4	(0.6-2.3)
35-44	5.4	(3.2-7.6)	2.0	(0.5-3.6)*	1.7	(0.5-2.9)*
45-54	5.3	(2.8-7.7)	1.4	(0.6-2.2)	2.2	(0.5-3.9)*
55+	8.5	(4.5-12.4)	2.9	(0.6-5.2)*	3.4	(2.1-4.6)
Race/Ethnicity						
Latino	9.6	(7.4-11.7)	3.1	(1.5-4.7)	2.6	(1.8-3.4)
Black	6.6	(4.6-8.6)	3.3	(1.9-4.6)	2.8	(1.8-3.8)
White	6.3	(4.4-8.2)	1.2	(0.7-1.7)	2.0	(0.8-3.1)
Asian	7.5	(3.7-11.4)	2.5	(0.4-4.5)*	0.4	(0.0-0.9)*
Multi	6.4	(3.9-8.8)	4.8	(2.0-7.7)	4.8	(2.1-7.5)
Other	8.7	(3.2-14.3)*	2.0	(0.0-4.5)*	4.7	(0.9-8.6)*
Nativity						
US Born	7.5	(6.1-8.8)	2.3	(1.7-2.9)	2.1	(1.4-2.7)
Foreign Born	8.9	(6.1-11.6)	2.2	(0.9-3.4)	2.3	(1.1-3.5)
Sexual Orientation						
Heterosexual	7.9	(6.5-9.3)	2.4	(1.6-3.3)	1.9	(1.4-2.4)
LGBQ	8.4	(5.5-11.3)	2.4	(0.8-4.0)*	3.8	(1.3-6.4)*

Notes: Respondents selected all choices that applied.

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

Appendix W: Likelihood of Seeking Help

If You Had a Problem with Prescription Medication Misuse, How Likely Would You Seek Professional Help? (%Very Likely)

Category	Overall		Users		Non-Users	
	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	56.0	(53.6-58.4)	38.7	(32.6-44.9)	60.2	(57.7-62.7)
Gender						
Male	50.5	(47.1-54.0)	34.5	(26.9-42.0)	55.4	(51.6-59.3)
Female	61.2	(58.6-63.9)	44.7	(37.8-51.6)	64.5	(61.6-67.3)
Age						
12-17	48.2	(43.4-53.0)	27.6	(20.8-34.5)	51.3	(46.4-56.2)
18-25	42.6	(38.1-47.1)	30.1	(22.6-37.5)	46.4	(41.3-51.5)
26-34	49.9	(45.7-54.0)	35.0	(27.5-42.6)	54.9	(49.4-60.4)
35-44	60.9	(56.9-64.9)	45.6	(36.6-54.5)	64.8	(60.7-68.9)
45-54	63.4	(59.3-67.5)	39.8	(26.2-53.4)	68.3	(65.0-71.6)
55+	63.2	(58.1-68.3)	47.4	(32.2-62.6)	67.0	(61.6-72.4)
Race/Ethnicity						
Latino	56.0	(52.0-59.9)	39.5	(33.9-45.0)	59.4	(55.3-63.5)
Black	65.8	(62.6-69.1)	45.3	(37.7-52.9)	69.9	(66.6-73.2)
White	52.3	(48.0-56.6)	41.1	(32.2-50.0)	56.2	(51.1-61.2)
Asian	58.1	(53.9-62.4)	26.2	(15.2-37.2)	64.0	(59.5-68.4)
Multi	51.8	(45.5-58.1)	31.9	(18.8-45.0)	58.9	(53.0-64.8)
Other	59.6	(51.2-68.1)	49.4	(30.0-68.8) [†]	63.6	(53.5-73.7)
Nativity						
US Born	51.8	(48.4-55.1)	39.0	(33.2-44.7)	55.5	(51.6-59.5)
Foreign Born	65.8	(60.7-70.8)	35.7	(20.9-50.4)	70.2	(65.0-75.4)
Sexual Orientation						
Heterosexual	57.1	(54.4-59.8)	39.2	(32.5-46.0)	61.3	(58.6-63.9)
LGBQ	43.6	(37.6-49.6)	35.1	(23.4-46.8)	48.1	(40.5-55.8)

Area	Overall		Users		Non-Users	
	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	56.0	(53.6-58.4)	38.7	(32.6-44.9)	60.2	(57.7-62.7)
SPA 1	59.7	(47.3-72.0)	48.2	(38.9-57.6) [†]	63.3	(44.5-82.1)
SPA 2	54.4	(44.9-63.9)	42.5	(31.7-53.3)	56.7	(46.4-67.0)
SPA 3	52.8	(47.1-58.4)	26.3	(14.3-38.3)	59.2	(54.9-63.5)
SPA 4	56.5	(52.2-60.8)	39.9	(27.2-52.6)	60.8	(57.2-64.3)
SPA 5	59.1	(51.2-67.0)	42.8	(30.6-55.0) [†]	62.9	(52.3-73.5)
SPA 6	60.9	(55.5-66.4)	43.8	(26.6-61.1)	65.4	(59.9-70.9)
SPA 7	63.3	(59.4-67.3)	50.0	(38.1-61.9)	65.9	(62.6-69.1)
SPA 8	59.2	(47.9-70.5)	34.4	(15.0-53.8)	66.5	(57.2-75.7)
SD 1	57.2	(53.0-61.4)	35.6	(23.8-47.3)	61.4	(57.4-65.4)
SD 2	58.3	(53.5-63.0)	39.0	(28.1-50.0)	63.8	(58.7-68.9)
SD 3	55.9	(48.4-63.4)	46.2	(38.7-53.7)	58.1	(49.1-67.1)
SD 4	62.4	(54.7-70.1)	44.8	(24.0-65.7)	67.0	(61.4-72.7)
SD 5	54.1	(47.7-60.4)	28.8	(17.2-40.3)	60.2	(54.4-66.0)

Notes: Users included those who had ever misused prescription medication.

Non-Users included those who had never misused prescription medication;

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



Los Angeles County Department of Public Health

Barbara Ferrer, Ph.D., M.P.H., M.Ed.
Director

Muntu Davis, M.D., M.P.H.
Health Officer

Cynthia A. Harding, M.P.H.
Chief Deputy Director

Paul Simon, M.D., M.P.H.
Chief Science Officer

Deborah Allen, Sc.D.
Deputy Director, Health Promotion Bureau

Substance Abuse Prevention and Control

John Connolly, Ph.D., M.S.Ed.
Director

Gary Tsai, M.D., FAPA, FASAM
Medical Director and Science Officer

Health Outcomes and Data Analytics Unit

Tina Kim, Ph.D., M.A.
Chief

Silvia Tejeda, Ph.D., M.P.H.

Diana Khuu, Ph.D., M.P.H.

Kairong Wang, Ph.D., M.S.

Han Tun, M.P.H., M.B.A., M.B.B.S.

Rafael Vasquez, Ph.D., M.A.

Nan Zhang, Ph.D., M.S., M.B.A.

Acknowledgements: Special thanks to **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; **Yolanda Cordero, M.P.A.** for mobilizing community prevention service providers and support throughout the project; **Safe Med LA Steering Committee Members** for their review and contribution to the survey design and questions; **Diane Herbeck, M.A.** and **Katie Chun, Ph.D., M.A.** for their review and contribution to the report; and **Jamenie Lazaro, B.S.** for assisting with data entry and report.

Suggested Citation:

Prescription Medication Misuse 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, March 2019.

For more information about this report, please contact Dr. Tina Kim at tkim@ph.lacounty.gov.