

Alcohol Use and Public Perceptions in Los Angeles County:



Findings from the 2022 Community Needs Assessment

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



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Participating agencies included:

Asian American Drug Abuse Program	Institute for Public Strategies	People Coordinated Services of Southern California
Avalon Carver Community Center	Korean American Family Services	Phoenix House of Los Angeles
Behavioral Health Services	Koreatown Youth & Community Center	Prototypes
Cambodian Association of America	Los Angeles County Office of Education	Pueblo Y Salud
Change Lanes Youth Support Services	Friday Night Live	San Fernando Valley Partnership, Inc.
Child and Family Center	National Council on Alcoholism and Drug Dependence of East San Gabriel and Pomona Valleys	Social Model Recovery Systems, Inc.
Children's Hospital Los Angeles	National Council on Alcoholism and Drug Dependence of the San Fernando Valley	South Central Prevention Coalition
Community Coalition for Substance Abuse Prevention & Treatment	Pacific Clinics	Special Services for Groups
Day One	Parents Anonymous	Tarzana Treatment Centers
Helpline Youth Counseling, Inc.		The Wall Las Memorias Project
		Watts Healthcare Foundation, Inc.



Executive Summary

Prevalence and Use Behaviors

- Of Los Angeles County (LAC) residents aged 12 or older, 69.8% reported using alcohol at least once in their lifetimes, and 39.2% reported using alcohol in the past 30 days (i.e., current use).
- Of LAC residents aged 12 or older, 35.5% reported ever bingeing¹ alcohol, and 10.3% bingeed within the last 30 days.
- Among those who currently use alcohol, the average number of days used in the last month was 6 days.
- Among those who currently binge alcohol, the average number of days bingeed in the last month was 5 days.
- LAC residents were, on average, 18 years old when they first used alcohol, with 46.9% of people who use alcohol (PWUA) first using before age 18.
- LAC residents were, on average, 19 years old when they first bingeed alcohol, with 38.2% of people who binge alcohol (PWBA) first bingeing before age 18.
- PWUA were more likely than people who do not use alcohol (non-PWUA) to have close friends (81.4% vs. 26.7%) or family members who use alcohol (78.5% vs. 36.7%).
- PWBA were more likely than people who do not binge alcohol (non-PWBA) to have close friends (57.1% vs. 16.1%) or family members who binge alcohol (49.0% vs. 17.9%).
- The most common locations of last alcohol use included home (44.0%), a public place (26.4%), or a friend's home (11.1%).
- The most common locations of first alcohol use included home (26.8%) or a friend's home (22.9%), followed by a party/kick-back (18.5%) or a public place (13.1%).

Accessibility/Availability

- Over three-quarters (75.6%) of LAC residents aged 12 or older perceived alcohol as “easy” or “very easy” to access around their neighborhood.
- 8.6% of LAC residents aged 12 or older reported ever using a delivery service (e.g., Uber Eats, Instacart) to purchase alcohol. The most common delivery sources included a liquor store (58.3%), a grocery store (49.6%), or a restaurant (25.3%).
- Of those who reported ever using an alcohol delivery service, 69.6% reported that their ID was checked “always” or “most of the time” for age verification.

Harms and Risks of Use

- Over half (53.5%) of LAC residents aged 12 or older perceived that it is a great risk for youth to use alcohol 1-2 times per week (i.e., regular use). Non-PWUA were slightly more likely than PWUA to perceive that regular alcohol use is a great risk for youth (53.8% vs. 53.2%).
- 66.9% of LAC residents aged 12 or older perceived that it is a great risk for youth to binge alcohol 1-2 times per week (i.e., regular use). PWBA were slightly more likely than non-PWBA to perceive that regular alcohol bingeing is a great risk for youth (68.4% vs. 65.9%).
- 42.4% of LAC adult residents (aged 18+) perceived that it is a great risk for adults to use alcohol 1-2 times per week (i.e., regular use). Non-PWUA were more likely than PWUA to perceive that regular alcohol use is a great risk for adults (57.3% vs. 37.8%).
- 63.5% of LAC residents aged 12 or older perceived that it is a great risk for adults to binge alcohol 1-2 times per week (i.e., regular use). Non-PWBA were more likely than PWBA to perceive that regular alcohol bingeing is a great risk for adults (66.0% vs. 59.7%).

¹ Per Substance Abuse and Mental Health Services Administration (SAMHSA), “binging” was defined for the participants as drinking 4 or more alcoholic drinks (for females) or 5 or more alcoholic drinks (for males) at the same time or within a couple of hours of each other.

Purpose

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

CNA Workgroup

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

Research Ethics

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

Adaptation of 2017 CNA

This survey tool was adapted from the first round of the CNA (2017) which included questions about marijuana use and prescription medication misuse. The current CNA tool preserved the wording of previous items as much as possible, while also revising and extending some items (e.g., attitudes about sharing prescription medications) and expanding the scope of the survey to also include questions about methamphetamine, alcohol, and heroin.

Survey Tool

The survey was a comprehensive 72-item questionnaire that included questions about a variety of substances including: methamphetamine, alcohol, heroin, marijuana, and prescription medications. Along with asking about usage behaviors, perceived accessibility and risk, the survey also included sociodemographic and geographic questions. Paper (about 20-30 minutes) and online Qualtrics (about 10-15 minutes) versions of the CNA were available in English, Spanish, Chinese, Korean, Armenian, and Khmer. Several questions on the youth survey (aged 12-17) were worded differently from the adult survey (aged 18+).

Per Substance Abuse and Mental Health Services Administration (SAMHSA), “binging” was defined for the participants as drinking 4 or more alcoholic drinks (for females) or 5 or more alcoholic drinks (for males) at the same time or within a couple of hours of each other.

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

Introduction (Cont.)

presentations to prevention agencies, community centers, public events, and other public places (e.g., libraries). In exchange for taking the survey, all participants were offered a \$20 gift card to Amazon, Starbucks, Subway, or Target.

Data Collection

From August 2022 to February 2023, SAPC-contracted prevention service providers 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, college campuses, shopping plazas, grocery stores, strip malls, coffee shops, parks, libraries, neighborhood council meetings, public and senior housing developments, churches, farmer's markets, health/resource fairs, health and social services waiting rooms, veteran/low-income housing, community events, government buildings, and YMCAs. Note that much of the youth data was collected outside of the school setting.

Population Weights

Sampling weights accounting for differences in the age, sex, race/ethnicity, and geographic distribution between the sample and population were calculated based on the LAC Internal Services Department's Population Estimates for LAC Tract-City and Countywide Statistical Area Splits (2022). These sampling weights were applied to the sample data to reduce sampling error and to produce estimates representative of the population. Sampling weights could not be calculated for demographic groups not available in the population data. Therefore, population estimates for some demographic groups, such as the transgender group, were not provided in this report. For SPA and SD population estimates, we allocated sample zip code data to respective SPA and SD based on the proportion of census block

population distribution and subsequently calculated sampling weights.

Analytic Sample

After applying the exclusion criteria of individuals <12 years of age and individuals indicating a residency outside of Los Angeles County, we compiled our final sample of 9,221 surveys that were collected by SAPC-contracted prevention providers. Of those 9,221 surveys, records with missing values for any of the population weighting variables (i.e., age, sex, race/ethnicity, zip code) were excluded (N=1,098) from further analysis due to ineligibility for population weighting. The final analysis sample consisted of 8,123 surveys. All missing and unknown response values were excluded from individual calculations where applicable. Estimates with a large proportion of missing values for some categories (e.g., sexual orientation) should be interpreted with caution.

Statistical Methods

Estimates and their variances were calculated using statistical procedures PROC SURVEYFREQ and PROC SURVEYMEANS. Criteria for determining that the estimate is statistically stable included a relative standard error (RSE) less than 30% and a sample size for subgroup analyses ≥ 30 .

Estimates that do not meet these statistical criteria may still be appropriate for planning or policy purposes. Thus, the minimum criteria for RSE were applied and estimates with RSE between 30%-50% were reported with an asterisk and note¹.

¹ Utah Department of Health. (2005). *Report of Guidelines for Data Result Suppression*. <https://ibis.health.utah.gov/ibisph-view/pdf/resource/DataSuppression.pdf>

The estimates with RSE greater than 30% and/or sample size < 30 were also not suppressed so that underrepresented populations could be visible in our data. Please interpret with caution. All RSEs were based on non-missing values.

Report Organization

This report provides an overview of the findings of the countywide CNA, including prevalence of alcohol use; use behaviors; perceived risk, accessibility, and availability; and consequences of use within LAC communities. Results are presented for LAC overall, geographic region (SPA and SD) and by demographics. 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-U*. 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.

Limitations of CNA

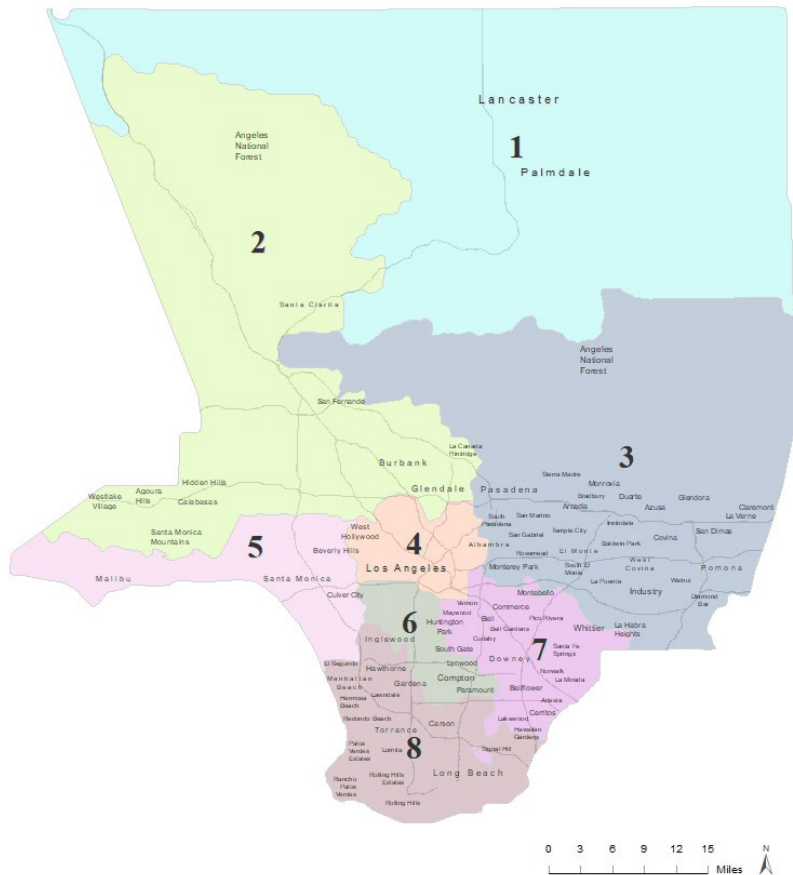
The convenience sampling method may not result in a representative sample of the general LAC population. Non-response bias may be present. All data collected were self-reported, which may not accurately reflect actual use, related behaviors, or perceptions. Thus, the results should be interpreted with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



Los Angeles County

Service Planning Areas

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

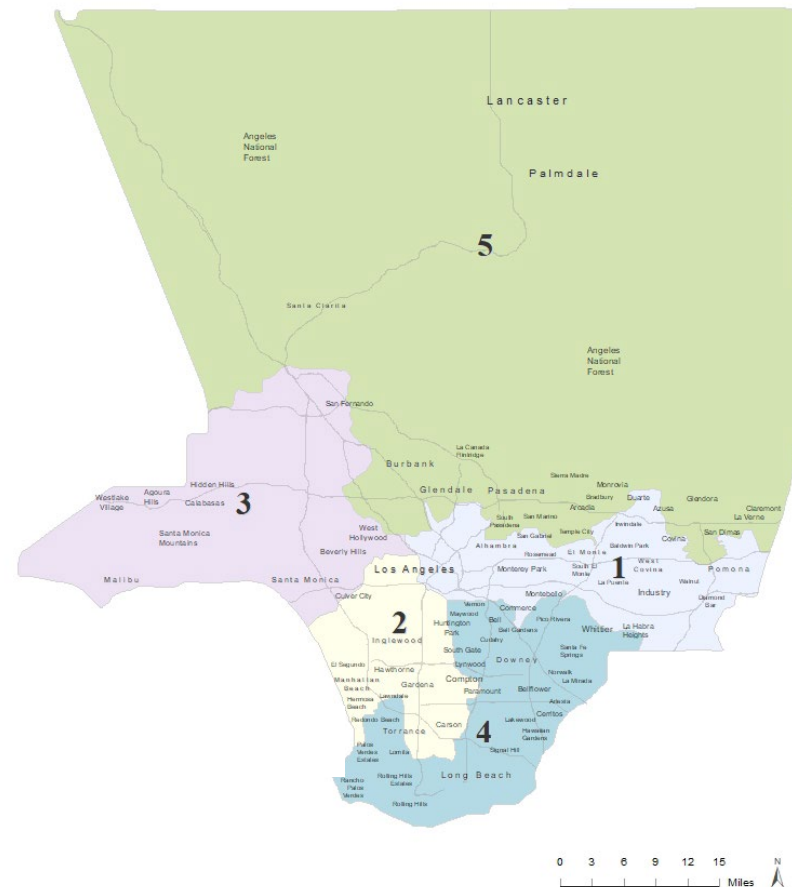


Population (12+), 2022

SPA 1:	347,020	SPA 4:	981,527	SPA 7:	1,087,783
SPA 2:	1,891,979	SPA 5:	586,873	SPA 8:	1,319,956
SPA 3:	1,516,952	SPA 6:	837,922		

Supervisory Districts

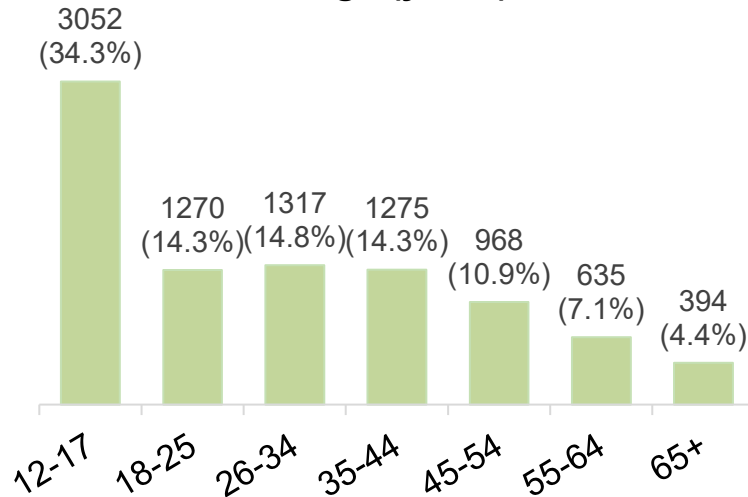
Los Angeles County (LAC) is divided into 5 Supervisory Districts (SD), with each County Supervisor representing a district of approximately 2 million people.



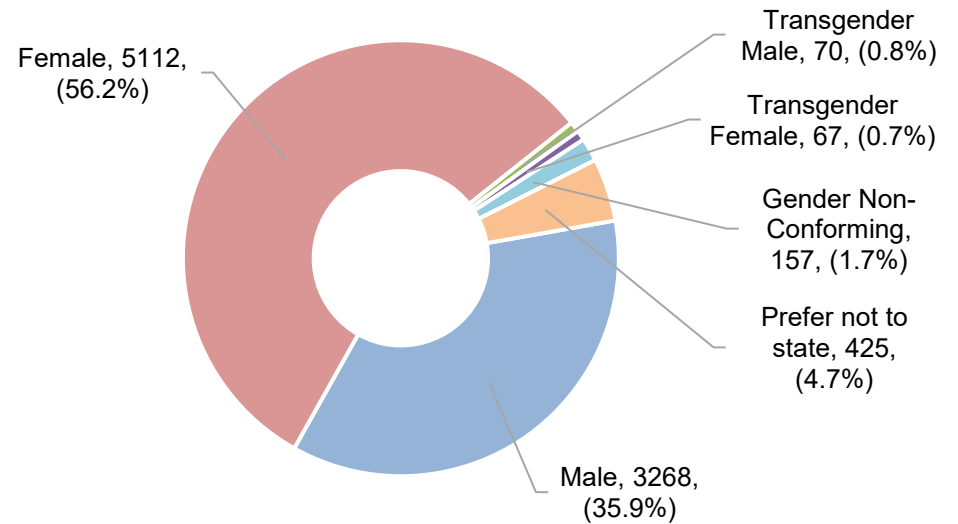
SD 1:	1,695,444	SD 4:	1,770,973
SD 2:	1,690,296	SD 5:	1,634,836
SD 3:	1,778,463		

Sample Demographics (N=9,221)

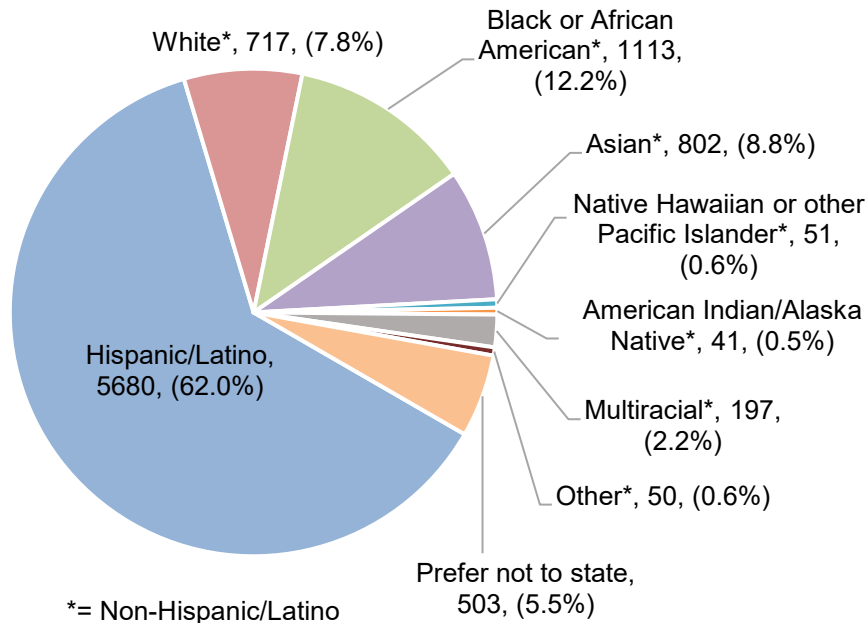
Age (years)



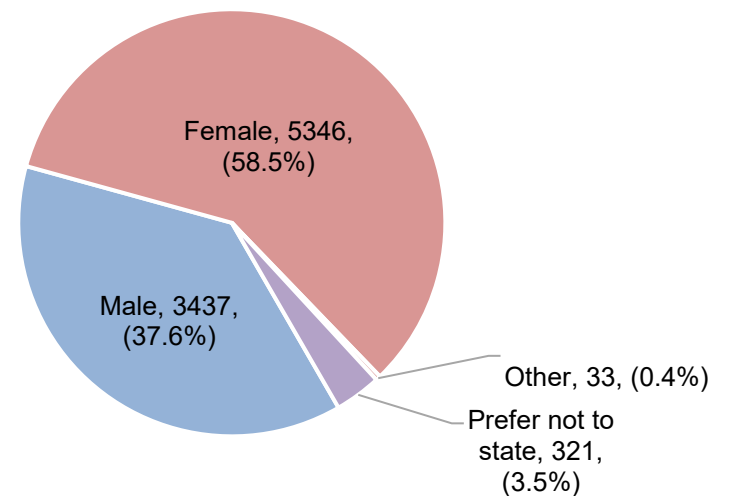
Gender Identity



Race/Ethnicity



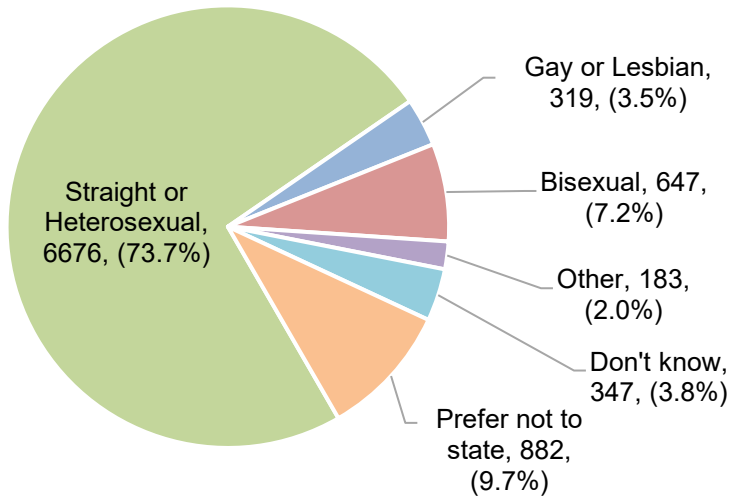
Sex at Birth



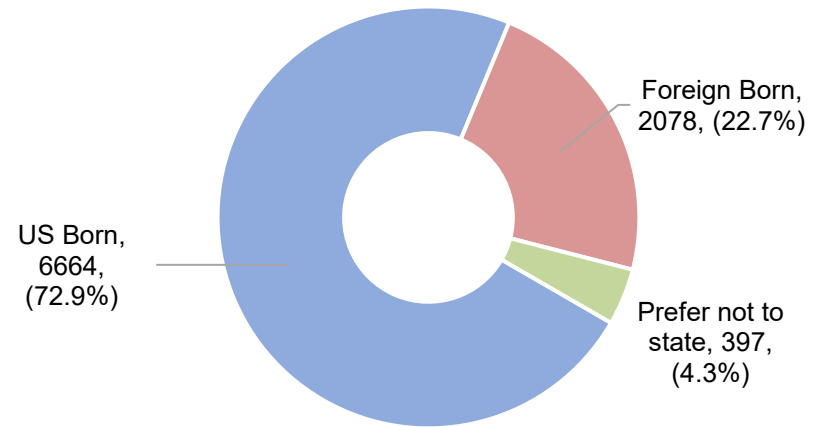
Notes: "Multiracial" indicates that more than one race was selected.

Sample Demographics (Cont.)

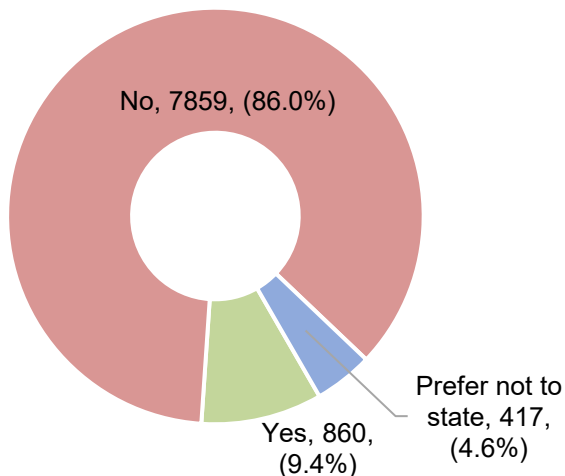
Sexual Orientation



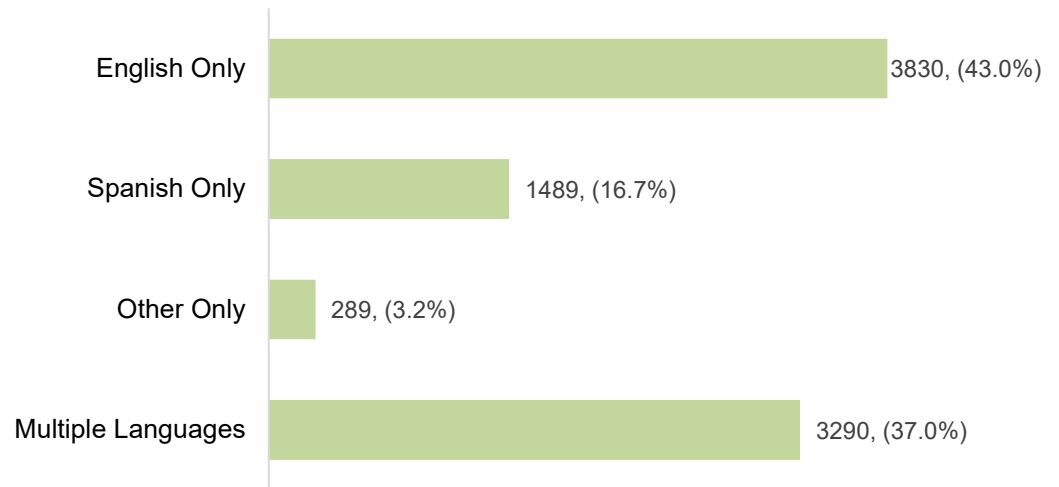
Nativity



Homeless in Past Year



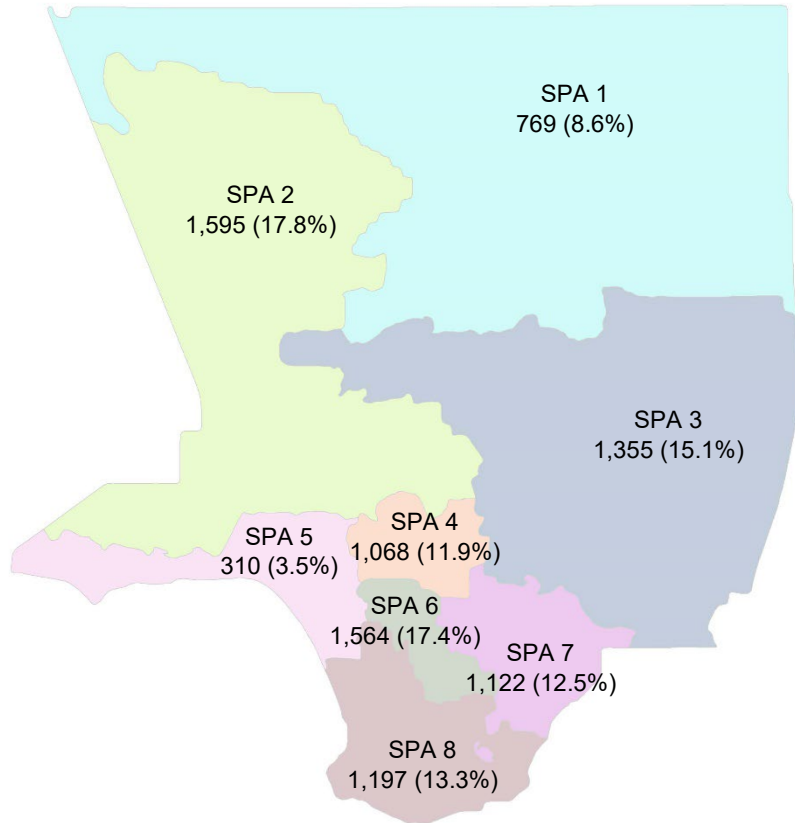
Language(s) Spoken at Home



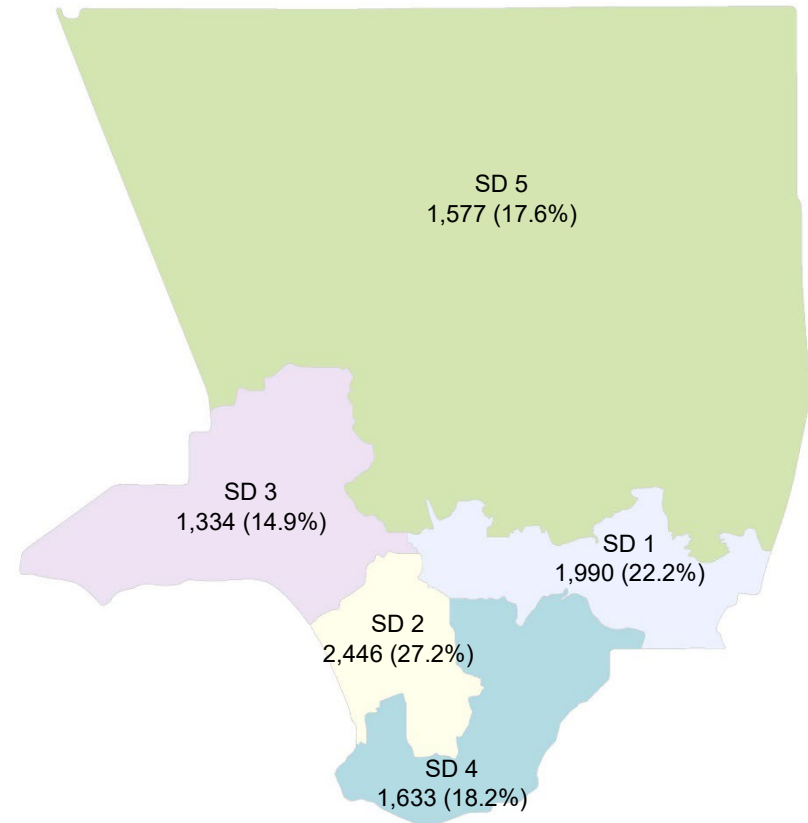
Notes: Since gender identity (including "transgender") information was not available for sampling weights, sex was used in subsequent analyses. Records with missing values on any of the weighting variables (i.e., age, sex, race/ethnicity, zip code) were excluded (N = 1,098) in the final analysis sample (N = 8,123). Please refer to Appendix A for the demographics of the final analysis sample.

Geographic Distribution of Sample (N=8,980)

Service Planning Area (SPA)



Supervisorial District (SD)



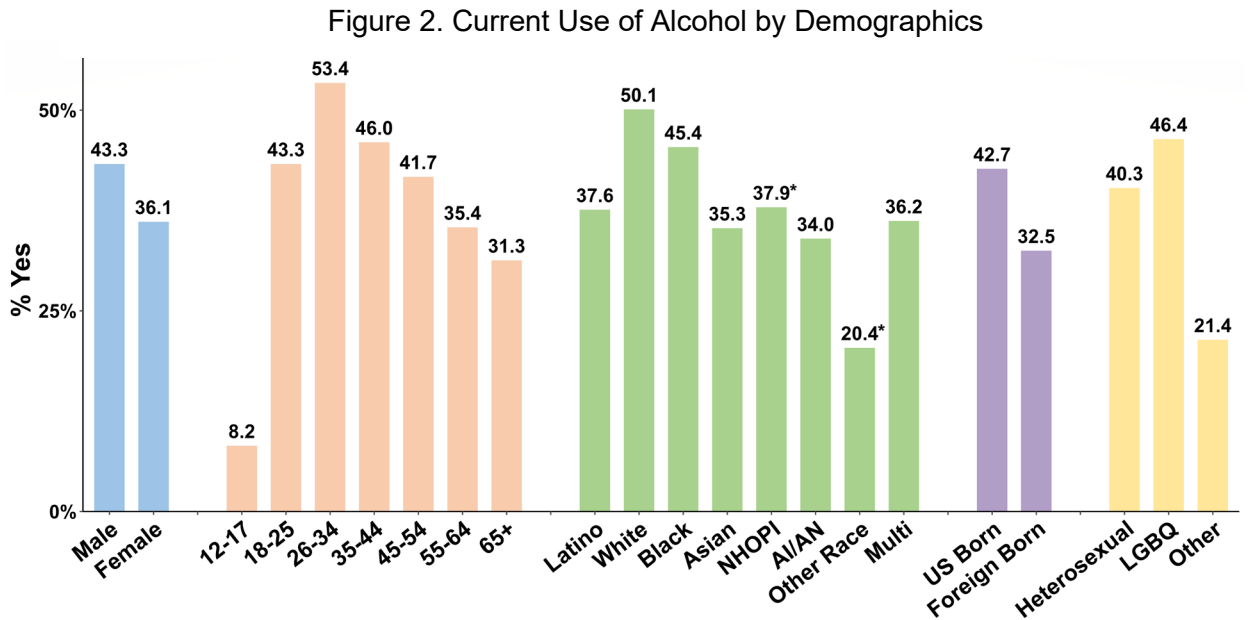
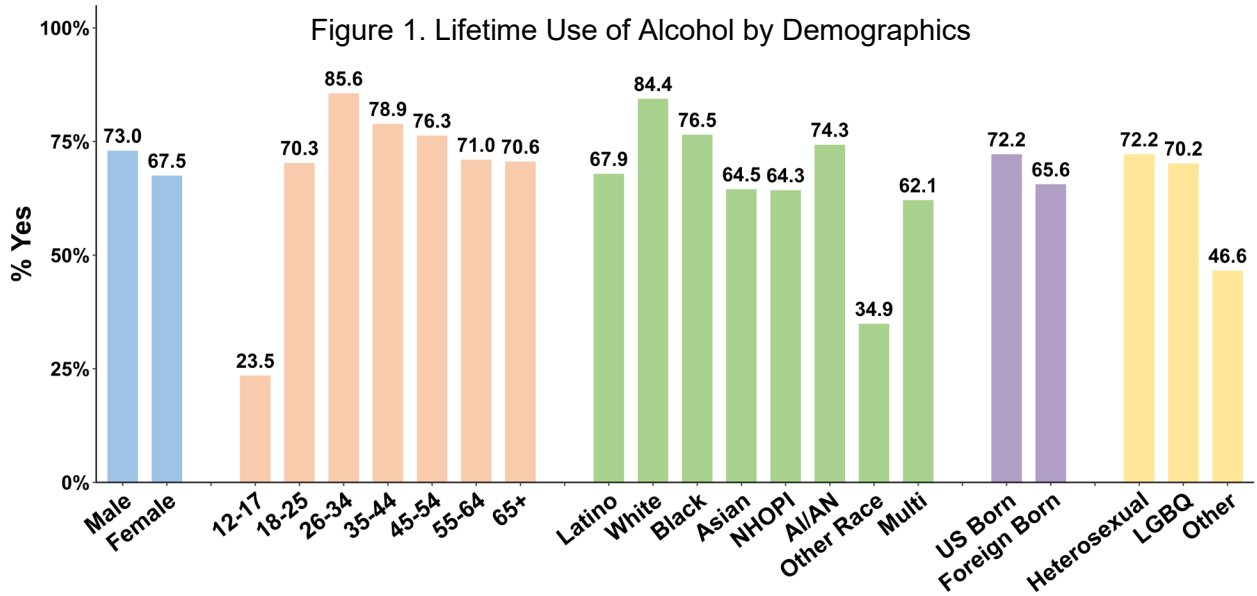
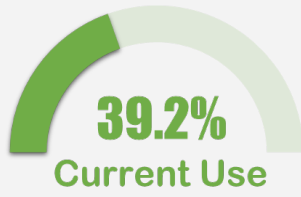
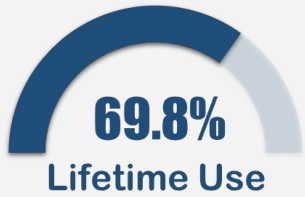
N=8,980 (97.4% of total sample)

Notes: We allocated sample zip code data to respective SPA and SD based on the proportion of census block population distribution. 97.4% of respondents (N=8,980) provided their current residence zip codes. Please refer to Appendix A for the geographic distribution of the final analysis sample.

Prevalence of Alcohol Use

Ever used alcohol
(%Yes)

Used alcohol
in the **past 30 days**
(%Yes)



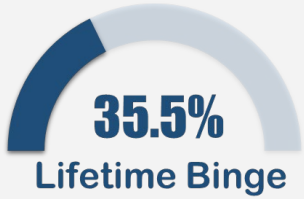
Area	% Lifetime Use	% Current Use
Service Planning Area (SPA)		
SPA 1	67.6	36.7
SPA 2	72.2	42.7
SPA 3	70.8	41.5
SPA 4	66.8	40.9
SPA 5	85.2	48.7
SPA 6	65.9	34.6
SPA 7	71.4	37.0
SPA 8	69.5	39.5
Supervisorial District (SD)		
SD 1	69.5	41.2
SD 2	66.6	35.1
SD 3	74.5	43.6
SD 4	69.5	37.2
SD 5	71.6	42.4

Notes: "Other" sexual orientation includes "other" and "prefer not to answer".
 "NHOPi" indicates "Native Hawaiian or other Pacific Islanders" and "AI/AN" indicates "American Indian/ Native Americans".
 * The estimate is for planning and policy purposes (RSE is between 30% and 50%); Interpret with caution.

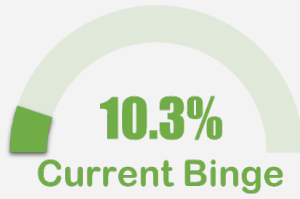
Sex	Age	Race/Ethnicity	Nativity	Sexual Orientation
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Prevalence of Binging Alcohol

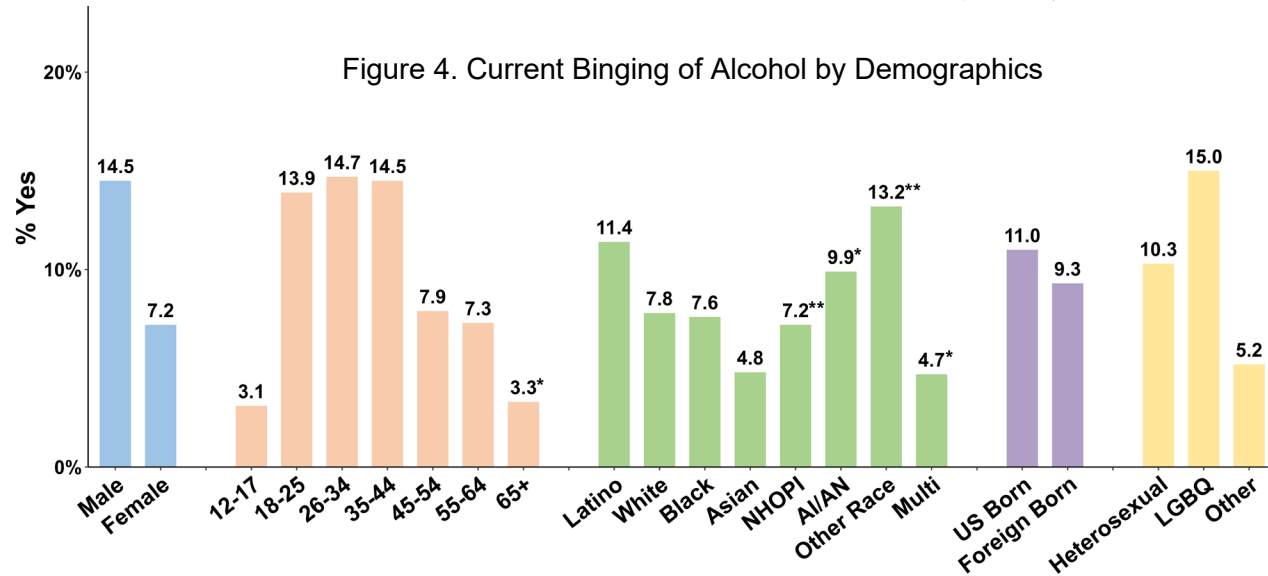
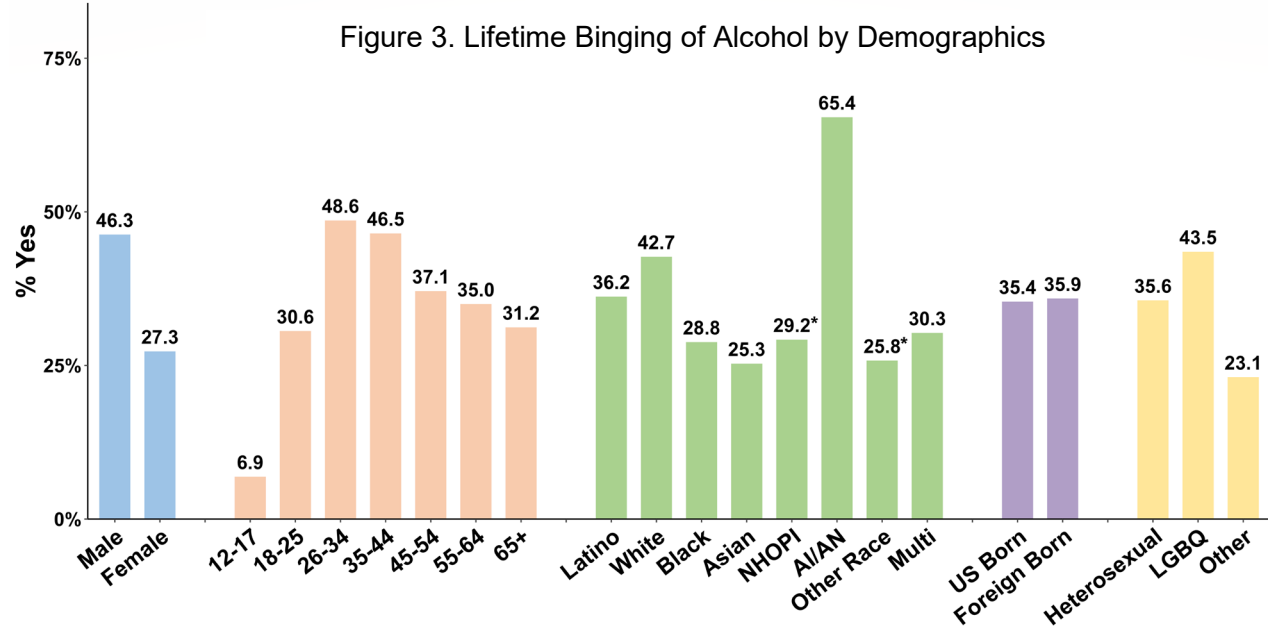
Ever binged alcohol
(%Yes)



Binged alcohol
in the **past 30 days**
(%Yes)



Area	% Lifetime Binge	% Current Binge
Service Planning Area (SPA)		
SPA 1	32.2	9.4
SPA 2	36.7	11.9
SPA 3	38.2	12.5
SPA 4	32.9	13.6
SPA 5	43.4	3.8
SPA 6	33.1	10.0
SPA 7	37.9	7.9
SPA 8	32.3	8.4
Supervisorial District (SD)		
SD 1	37.9	14.2
SD 2	32.5	9.1
SD 3	38.4	11.0
SD 4	34.6	7.4
SD 5	34.7	10.8



Notes: "Binging" was defined for participants as drinking 4 or more alcoholic drinks (for females) or 5 or more alcoholic drinks (for males) at the same time or within a couple of hours of each other (SAMHSA).

* The estimate is for planning and policy purposes (RSE is between 30% and 50%);

** The estimate is statistically unstable (RSE > 50%);

Interpret with caution.

Sex	Age	Race/Ethnicity	Nativity	Sexual Orientation
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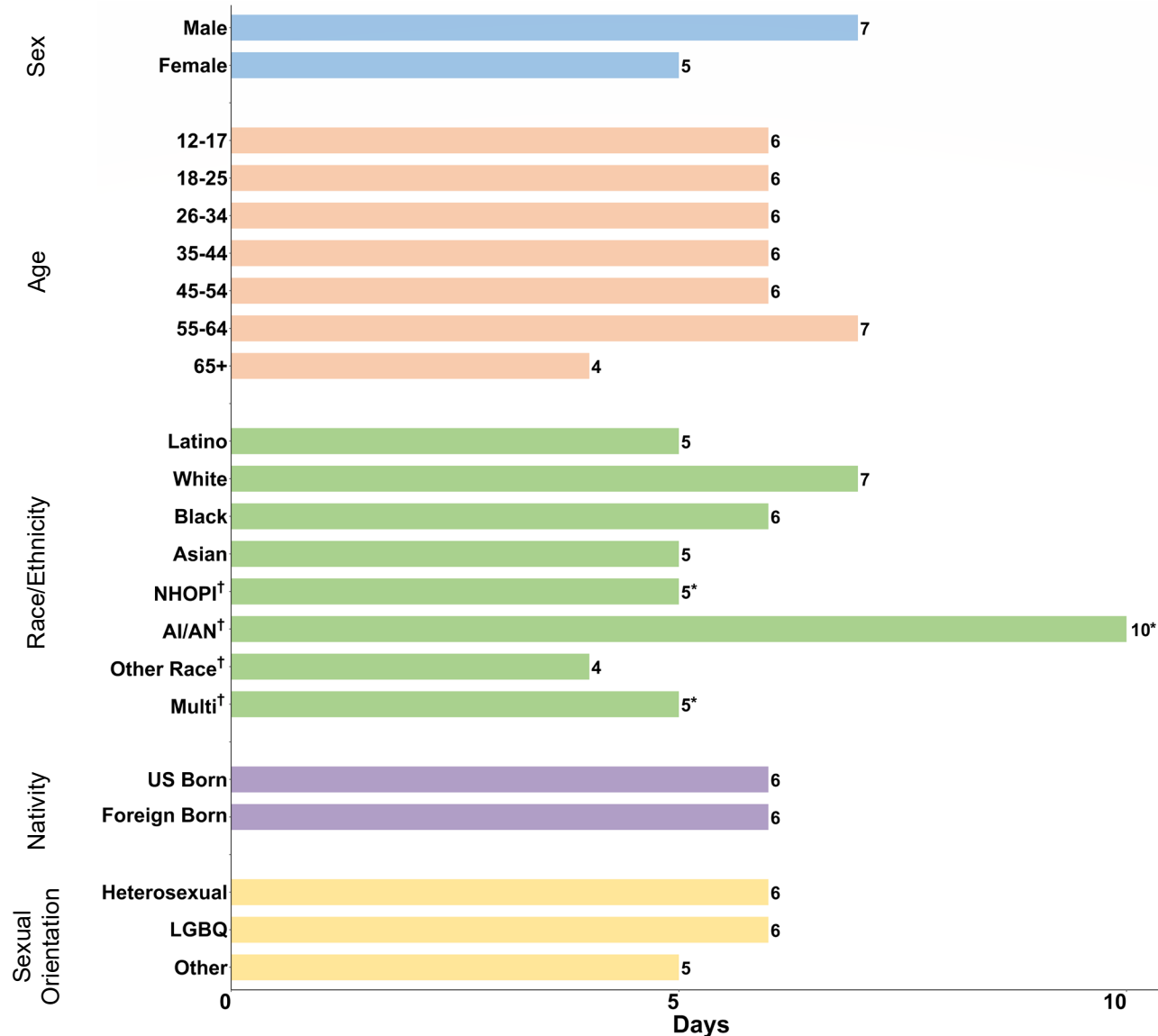
Frequency of Use – Use Alcohol

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



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

Figure 5. Average Number of Days Used in the Past 30 Days by Demographics



Notes: Only those who have used alcohol during the past 30 days were asked this question.

* The estimate is for planning and policy purposes (RSE is between 30% and 50%);

† The estimate is statistically unstable (sample size < 30);

Interpret with caution.



Frequency of Use – Binge Alcohol

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



Area	Binge Days
Service Planning Area (SPA)	
SPA 1	6
SPA 2	3
SPA 3	5
SPA 4	6
SPA 5†	5
SPA 6	7
SPA 7	4
SPA 8	5
Supervisory District (SD)	
SD 1	5
SD 2	6
SD 3	3
SD 4	5
SD 5	4

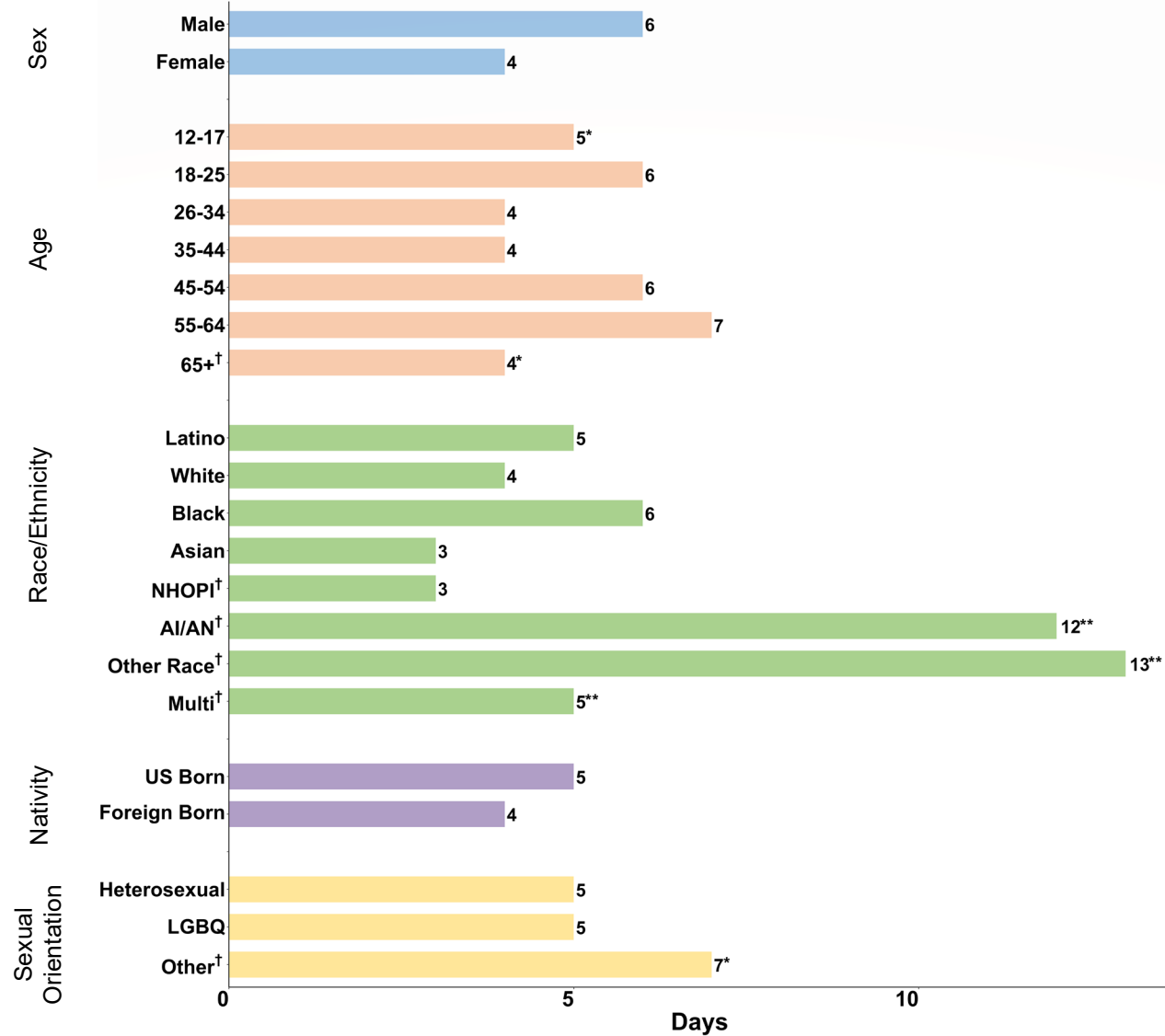
Notes: Only those who have binged alcohol during the past 30 days were asked this question.

* The estimate is for planning and policy purposes (RSE is between 30% and 50%);

** The estimate is statistically unstable (RSE > 50%);

† The estimate is statistically unstable (sample size < 30);
Interpret with caution.

Figure 6. Average Number of Days Binged in the Past 30 Days by Demographics



Age of Initiation – Use Alcohol

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

Mean Age of Initiation **18 Years**



% Used Before Age 18 **46.9%**

Area	Average Age	% Used Before Age 18
Service Planning Area (SPA)		
SPA 1	18	50.3
SPA 2	18	48.5
SPA 3	17	49.3
SPA 4	18	50.5
SPA 5	17	63.1
SPA 6	18	42.6
SPA 7	18	44.5
SPA 8	18	43.5
Supervisorial District (SD)		
SD 1	17	50.5
SD 2	18	43.8
SD 3	18	49.4
SD 4	19	42.9
SD 5	17	51.6

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

* The estimate is for planning and policy purposes (RSE is between 30% and 50%);

† The estimate is statistically unstable (sample size < 30);

Interpret with caution.

Figure 7. Average Age of Initiation by Demographics

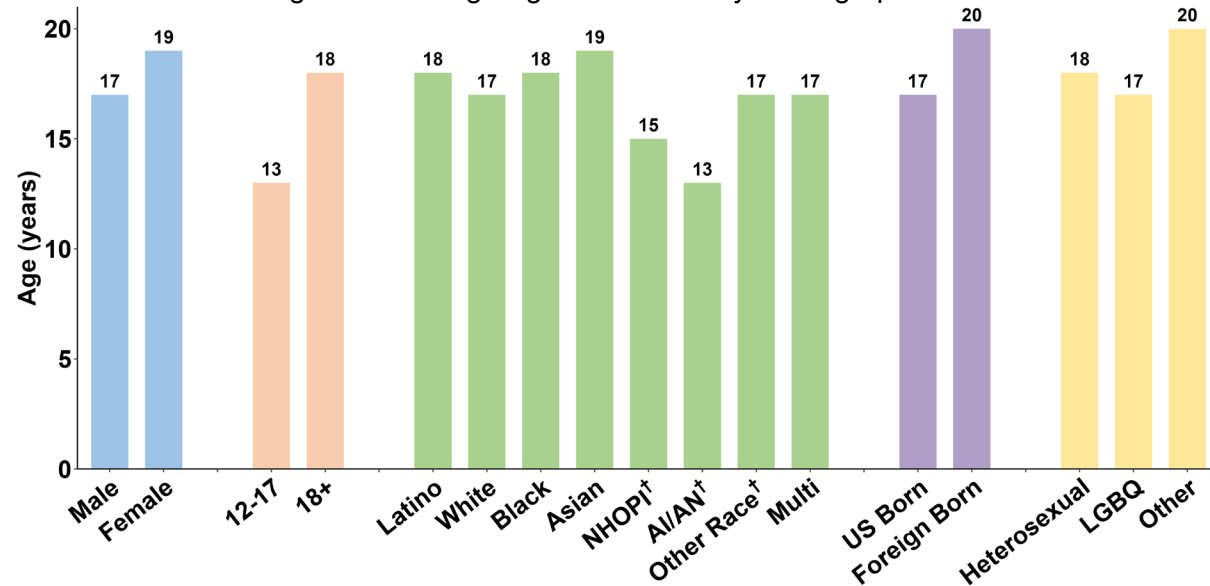
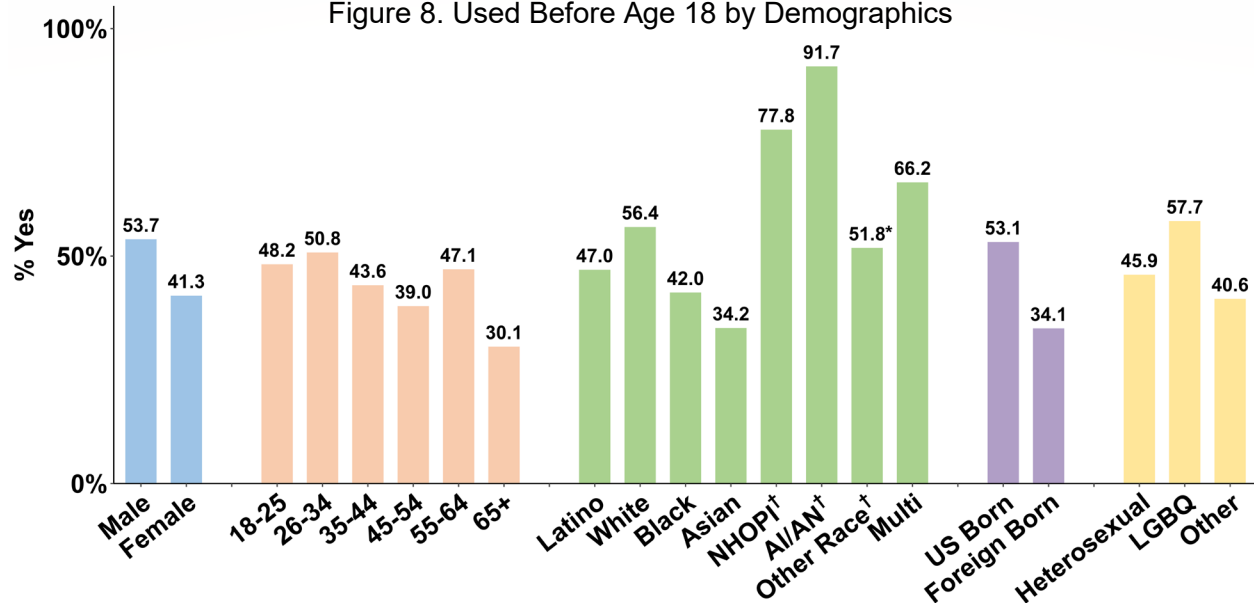


Figure 8. Used Before Age 18 by Demographics



Sex	Age	Race/Ethnicity	Nativity	Sexual Orientation
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Age of Initiation – Binge Alcohol

How old were you when you **first binged** alcohol?

Mean Age of Initiation **19 Years**



% Used Before Age 18 **38.2%**

Area	Average Age	% Binged Before Age 18
Service Planning Area (SPA)		
SPA 1	18	49.9
SPA 2	19	39.7
SPA 3	19	40.1
SPA 4	19	39.8
SPA 5	17	64.9
SPA 6	20	30.5
SPA 7	20	32.7
SPA 8	19	39.4
Supervisorial District (SD)		
SD 1	19	38.1
SD 2	20	36.0
SD 3	19	42.0
SD 4	20	33.3
SD 5	19	46.1

Notes: Only those who have binged alcohol at least once in their lifetimes were asked this question.
 * The estimate is for planning and policy purposes (RSE is between 30% and 50%);
 † The estimate is statistically unstable (sample size < 30);
 Interpret with caution.

Figure 9. Average Age of Initiation by Demographics

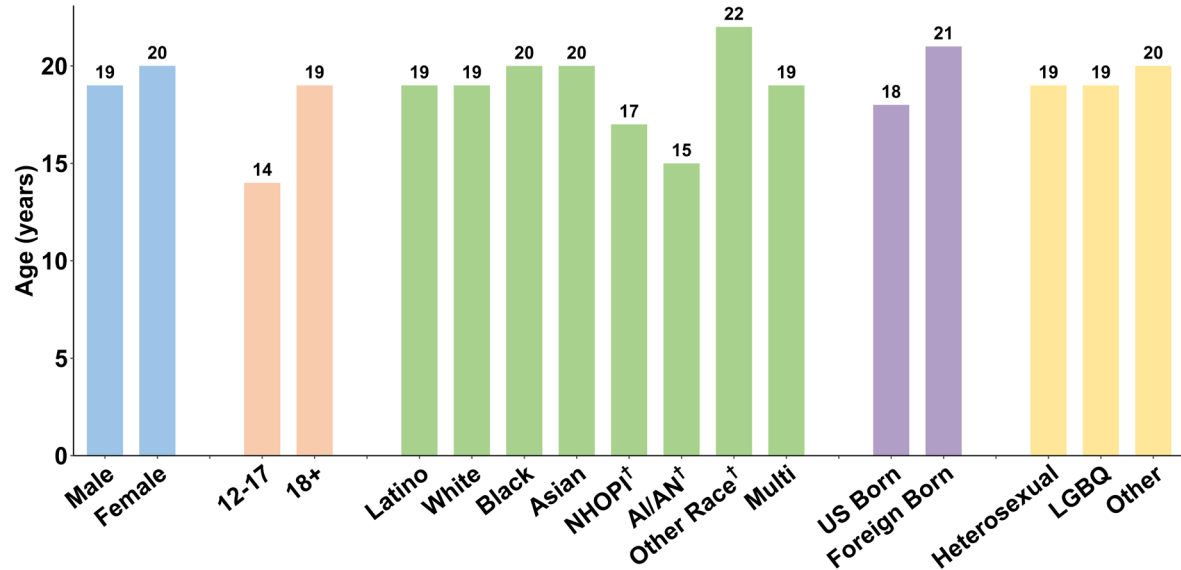
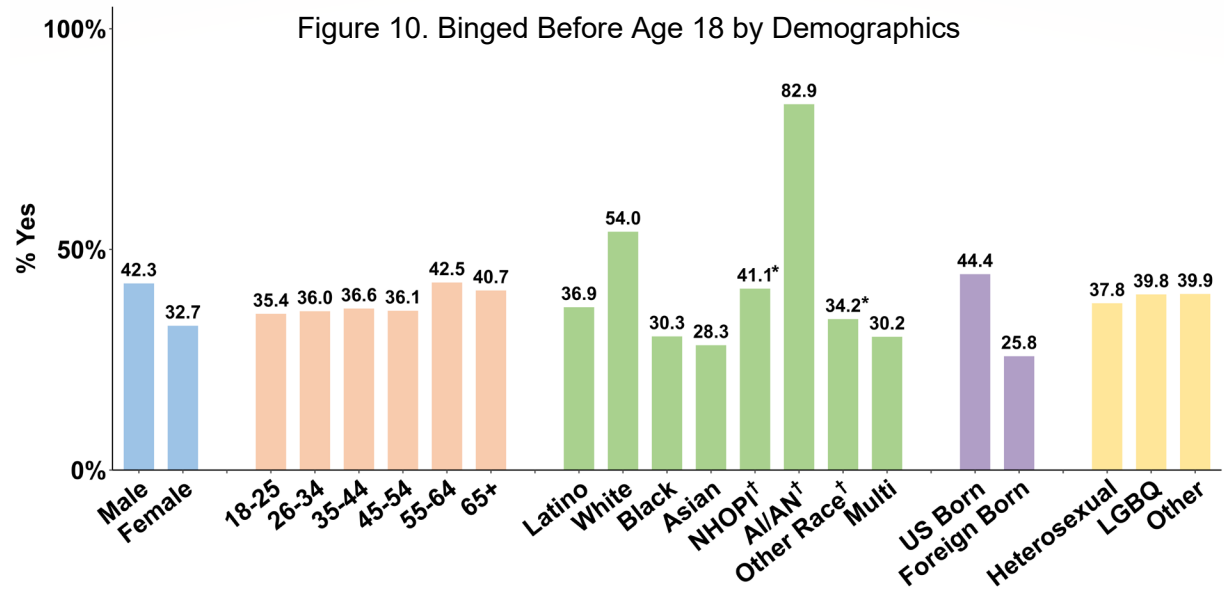


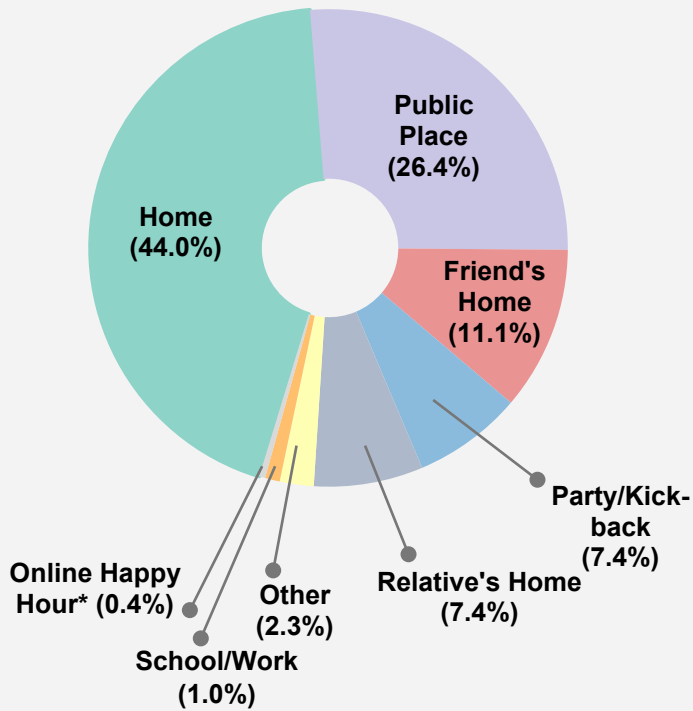
Figure 10. Binged Before Age 18 by Demographics



Sex	Age	Race/Ethnicity	Nativity	Sexual Orientation
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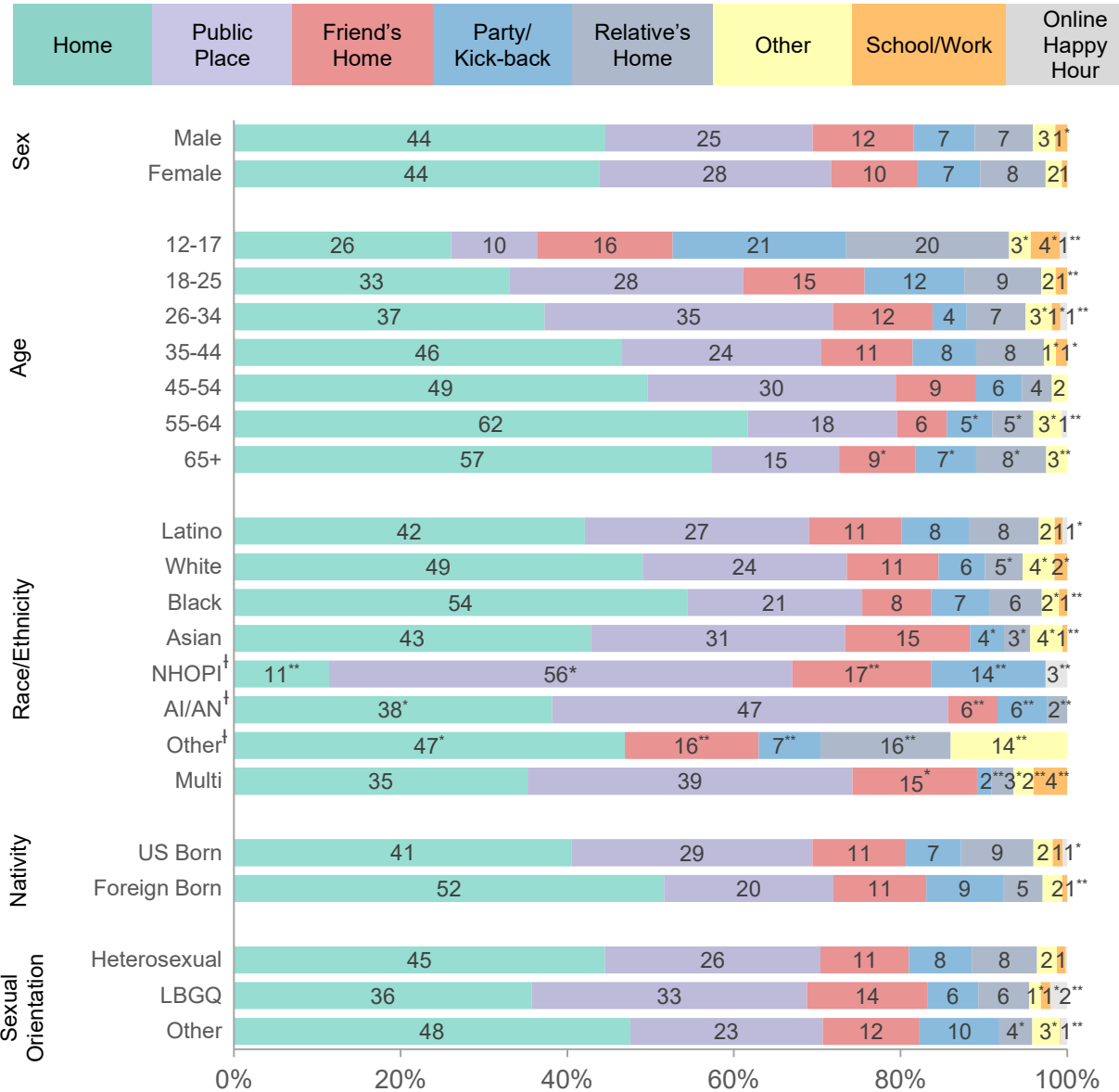
Place of Last Alcohol Use

Where was the last place you consumed alcohol?



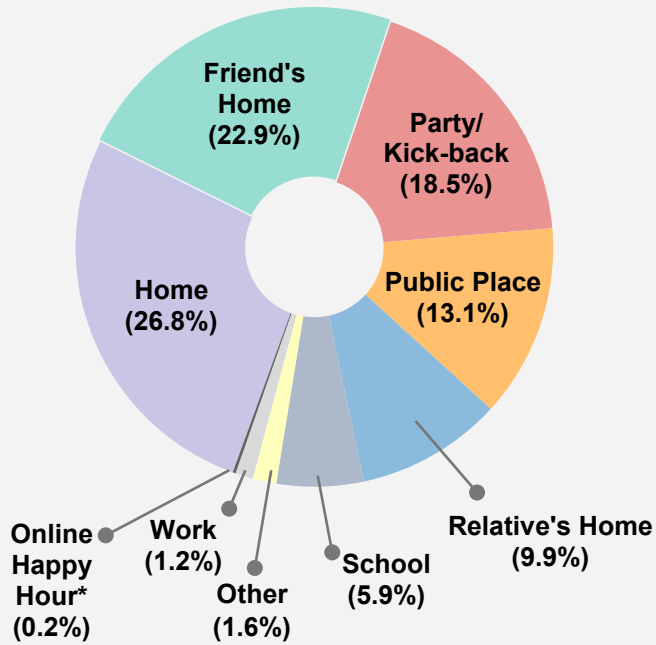
Notes: Only those who have used alcohol at least once in their lifetimes were asked this question. Respondents selected only one choice. Youth surveys included the option "school", while adult surveys included "work". "Public Place" included indoor and outdoor public places such as "bars", "clubs", "restaurants", "parks", "mountains", "hiking trails", "beaches", and "around the neighborhood". "Other" responses included "concert", "festival", "casino", "football game", etc. * The estimate is for planning and policy purposes (RSE is between 30% and 50%); ** The estimate is statistically unstable (RSE > 50%); † The estimate is statistically unstable (sample size < 30) Interpret with caution.

Figure 11. Location of Last Alcohol Use by Demographics



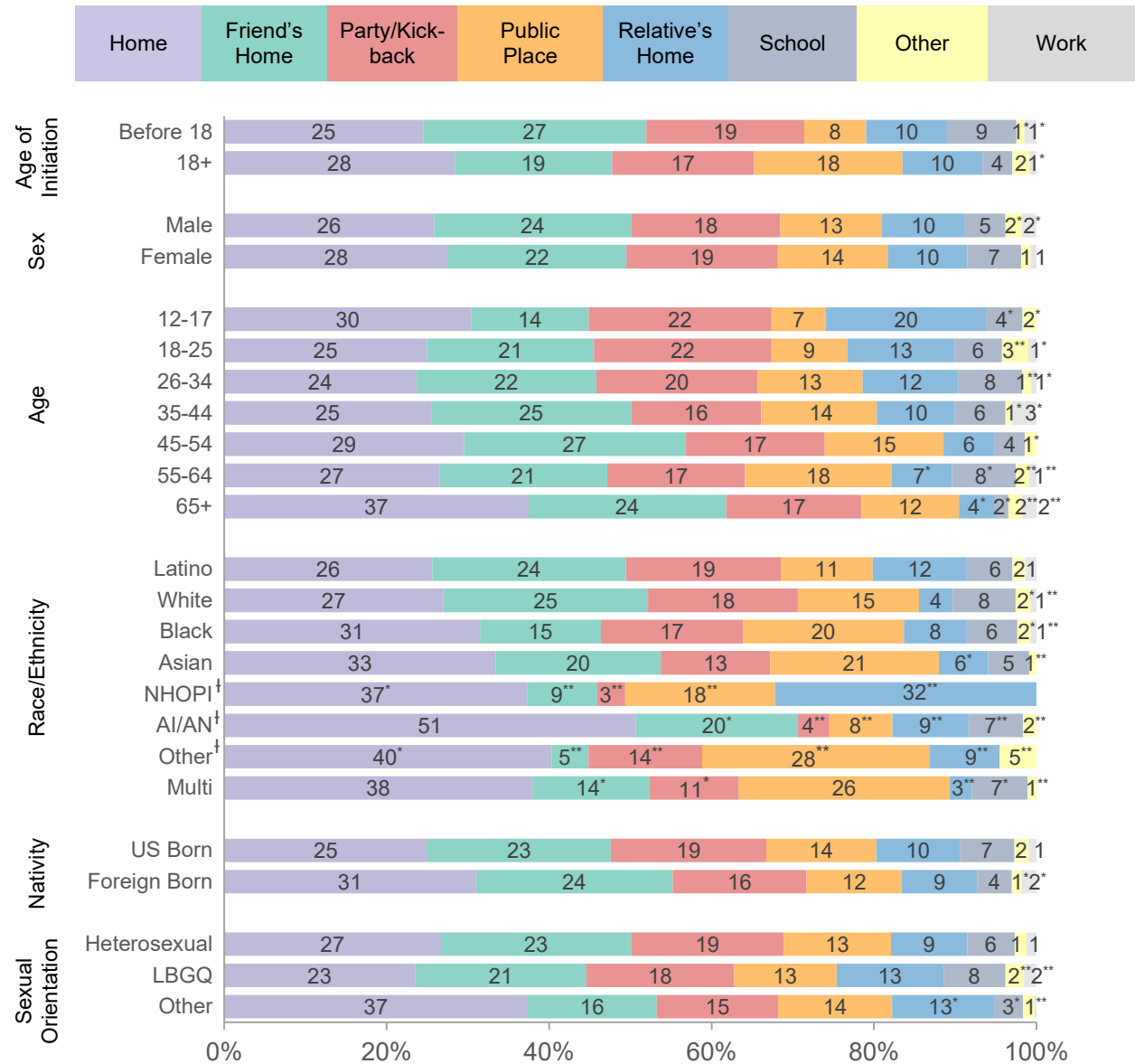
Place of First Alcohol Use

Think back to the **first time** you used alcohol (not just a sip).
Where did you first use it? (%)



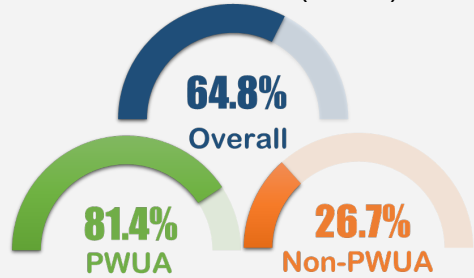
Notes: Only those who have used alcohol at least once in their lifetimes were asked this question. Respondents selected only one choice. Only adult surveys included the option of "work". Demographic breakdown for "online happy hour" can be found in Appendix G. "Public Place" included indoor and outdoor public places such as "bars", "clubs", "restaurants", "parks", "mountains", "hiking trails", "beaches", and "around the neighborhood". "Other" responses included "military", "Las Vegas", etc. * The estimate is for planning and policy purposes (RSE is between 30% and 50%); ** The estimate is statistically unstable (RSE > 50%); Interpret with caution.

Figure 12. Location of First Alcohol Use by Demographics



Alcohol Use Among Close Friends

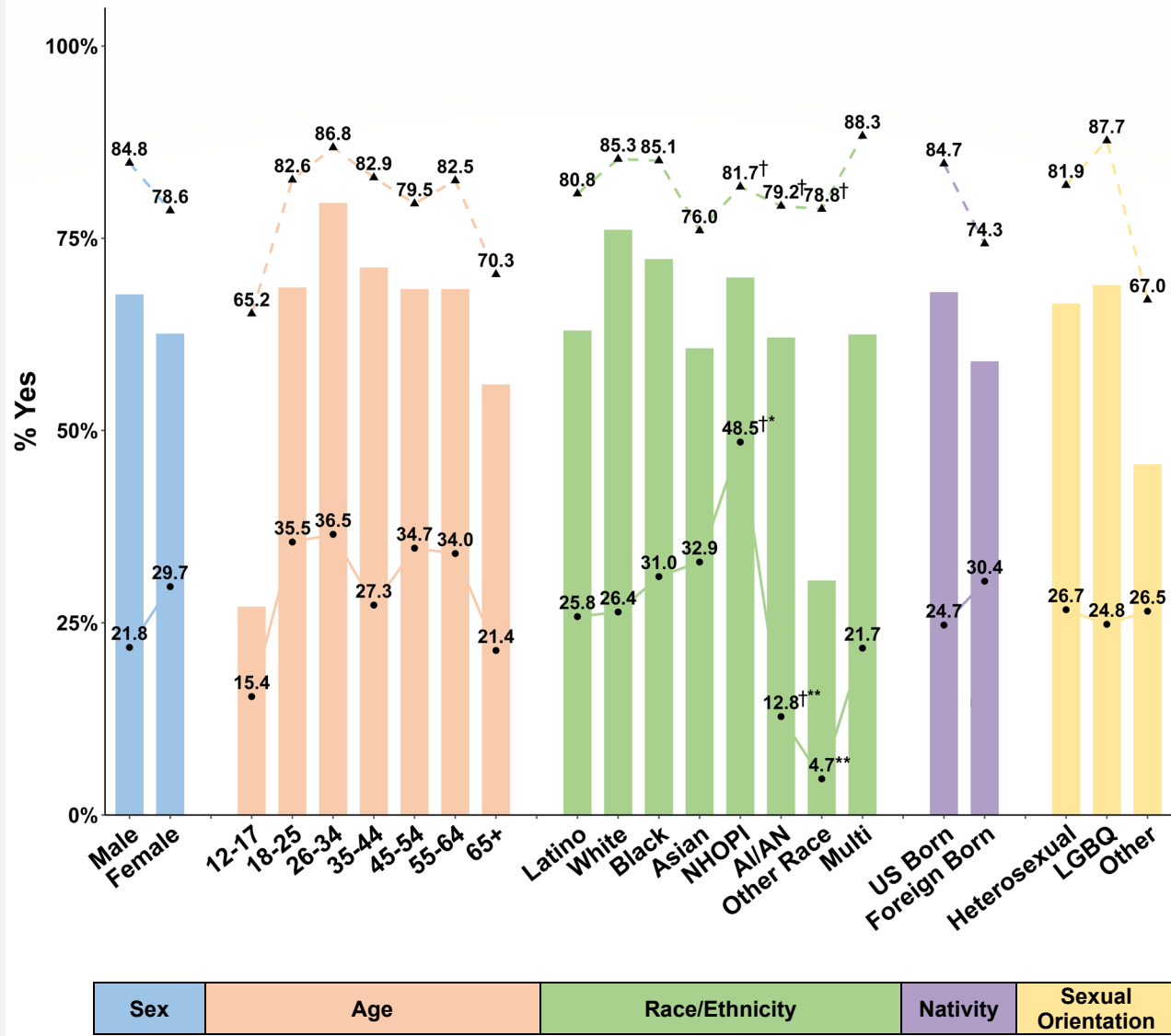
Do any of your **close friends** use alcohol? (%Yes)



Area	% Close Friends Use		
	All	PWUA	Non-PWUA
Service Planning Area (SPA)			
SPA 1	63.5	81.8	25.6
SPA 2	66.6	81.6	27.3
SPA 3	68.2	82.7	33.2
SPA 4	63.1	83.8	22.1
SPA 5	77.4	87.9	16.9*
SPA 6	58.1	77.0	22.6
SPA 7	66.3	80.4	31.2
SPA 8	65.5	83.5	24.6
Supervisory District (SD)			
SD 1	65.0	82.0	26.4
SD 2	60.3	78.8	23.3
SD 3	68.2	82.8	25.5
SD 4	65.3	81.1	30.3
SD 5	68.5	84.0	29.3

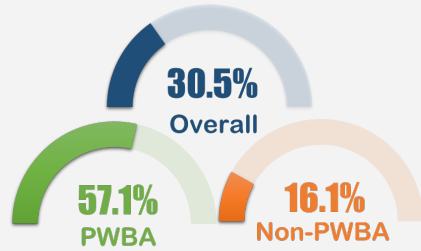
Notes: PWUA included those who had ever used alcohol. Non-PWUA included those who had never used alcohol.
 * The estimate is for planning and policy purposes (RSE is between 30% and 50%);
 ** The estimate is statistically unstable (RSE > 50%);
 † The estimate is statistically unstable (sample size < 30);
 Interpret with caution.

Figure 13. Alcohol Use Among Close Friends by Demographics



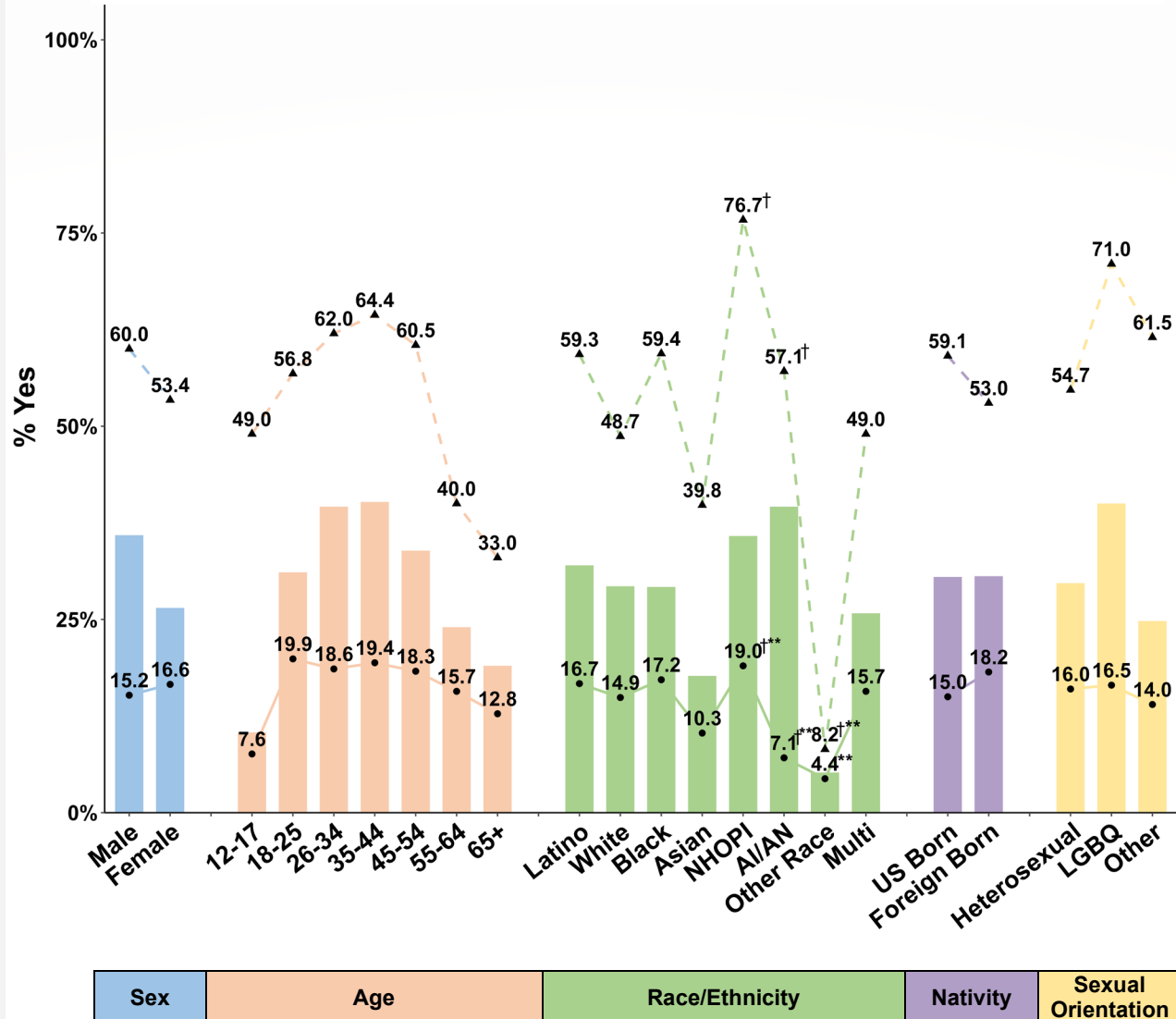
Alcohol Binging Among Close Friends

Do any of your **close friends** binge alcohol? (%Yes)



Area	% Close Friends Binge		
	All	PWBA	Non-PWBA
Service Planning Area (SPA)			
SPA 1	30.7	59.7	17.0
SPA 2	30.2	53.3	16.8
SPA 3	29.9	52.7	15.9
SPA 4	33.9	67.5	17.6
SPA 5	34.8	52.7	21.3
SPA 6	29.8	61.2	14.7
SPA 7	32.1	55.7	17.4
SPA 8	26.7	57.1	12.8
Supervisory District (SD)			
SD 1	32.9	60.7	16.1
SD 2	28.8	58.6	14.6
SD 3	31.7	53.2	18.4
SD 4	29.4	54.5	16.3
SD 5	30.7	58.7	15.7

Figure 14. Binging Among Close Friends by Demographics

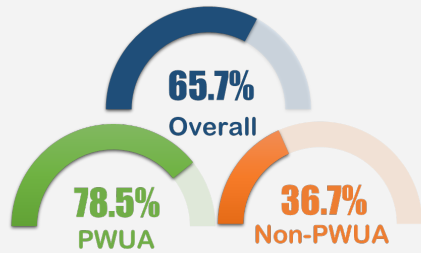


Notes: PWBA included those who had ever binged alcohol.
Non-PWBA included those who had never binged alcohol.
* The estimate is for planning or policy purposes (RSE is between 30% and 50%);
** The estimate is statistically unstable (RSE > 50%);
† The estimate is statistically unstable (sample size < 30);
Interpret with caution.

---▲--- PWBA —●— Non-PWBA

Alcohol Use Among Family Members

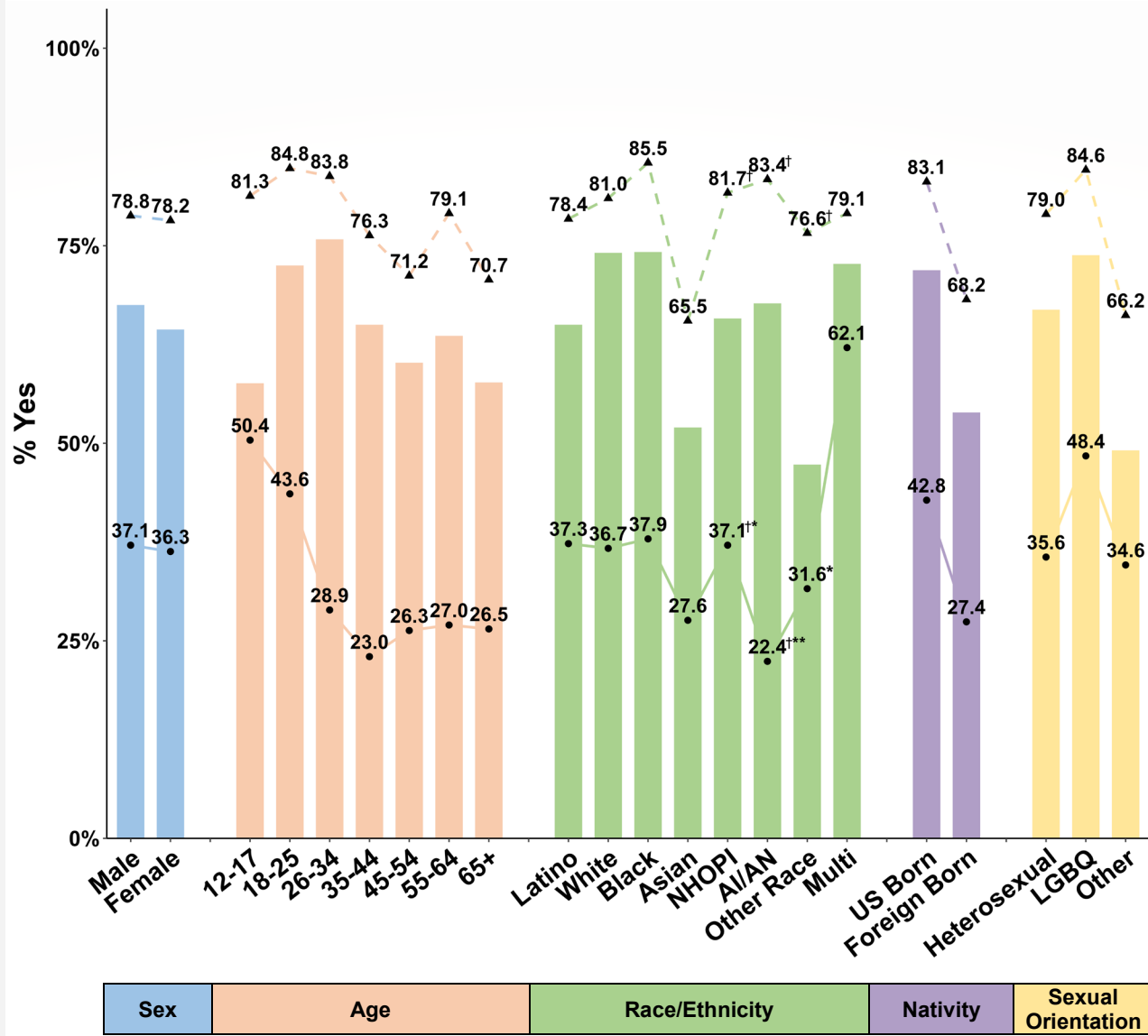
Do any of your **family members** use alcohol? (%Yes)



Area	% Family Members Use		
	All	PWUA	Non-PWUA
Service Planning Area (SPA)			
SPA 1	65.1	78.3	37.1
SPA 2	67.8	80.0	36.4
SPA 3	68.6	81.5	37.7
SPA 4	63.4	79.5	31.4
SPA 5	69.7	78.4	19.8
SPA 6	62.9	78.5	34.2
SPA 7	67.1	75.6	46.0
SPA 8	63.1	76.5	32.8
Supervisory District (SD)			
SD 1	68.5	83.0	35.6
SD 2	62.7	76.8	35.1
SD 3	67.4	79.0	33.9
SD 4	63.6	74.6	39.4
SD 5	69.6	81.2	40.1

Notes: PWUA included those who had ever used alcohol.
 Non-PWUA included those who had never used alcohol.
 * The estimate is for planning or policy purposes (RSE is between 30% and 50%);
 ** The estimate is statistically unstable (RSE > 50%);
 † The estimate is statistically unstable (sample size < 30);
 Interpret with caution.

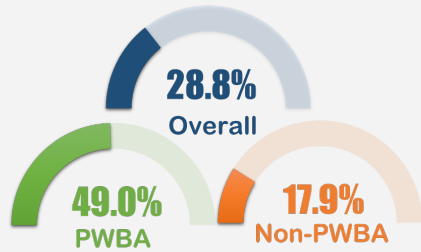
Figure 15. Alcohol Use Among Family Members by Demographics



--▲-- PWUA —●— Non-PWUA

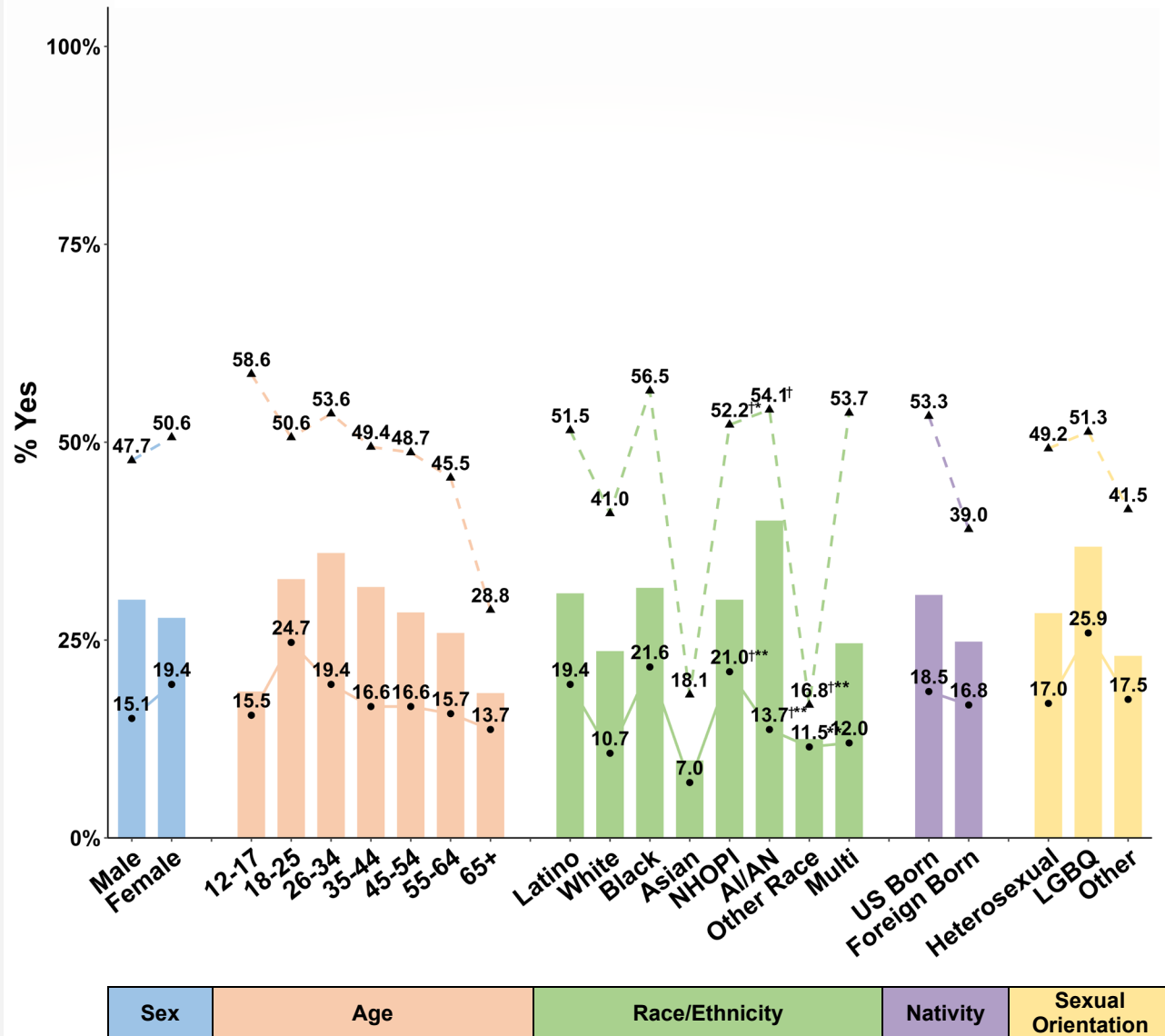
Alcohol Binging Among Family Members

Do any of your **family members** binge alcohol? (%Yes)



Area	%Family Members Binge		
	All	PWBA	Non-PWBA
Service Planning Area (SPA)			
SPA 1	30.6	57.5	17.8
SPA 2	26.8	44.2	16.9
SPA 3	26.5	43.1	16.2
SPA 4	27.1	50.5	15.8
SPA 5	22.9	34.9	13.7*
SPA 6	31.7	52.8	21.8
SPA 7	32.1	50.8	20.5
SPA 8	26.9	54.4	14.1
Supervisory District (SD)			
SD 1	29.6	49.9	17.3
SD 2	28.5	51.8	17.4
SD 3	27.1	43.6	17.0
SD 4	30.0	49.0	20.1
SD 5	28.1	49.9	16.5

Figure 16. Binging Among Family Members by Demographics

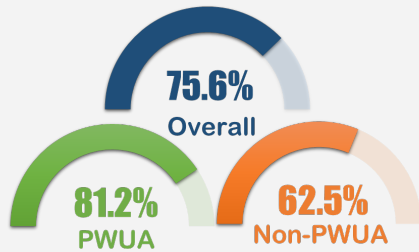


Notes: PWBA included those who had ever binged alcohol.
 Non-PWBA included those who had never binged alcohol.
 * The estimate is for planning or policy purposes (RSE is between 30% and 50%);
 ** The estimate is statistically unstable (RSE > 50%);
 † The estimate is statistically unstable (sample size < 30);
 Interpret with caution.

---▲--- PWBA —●— Non-PWBA

Perceived Easy Access

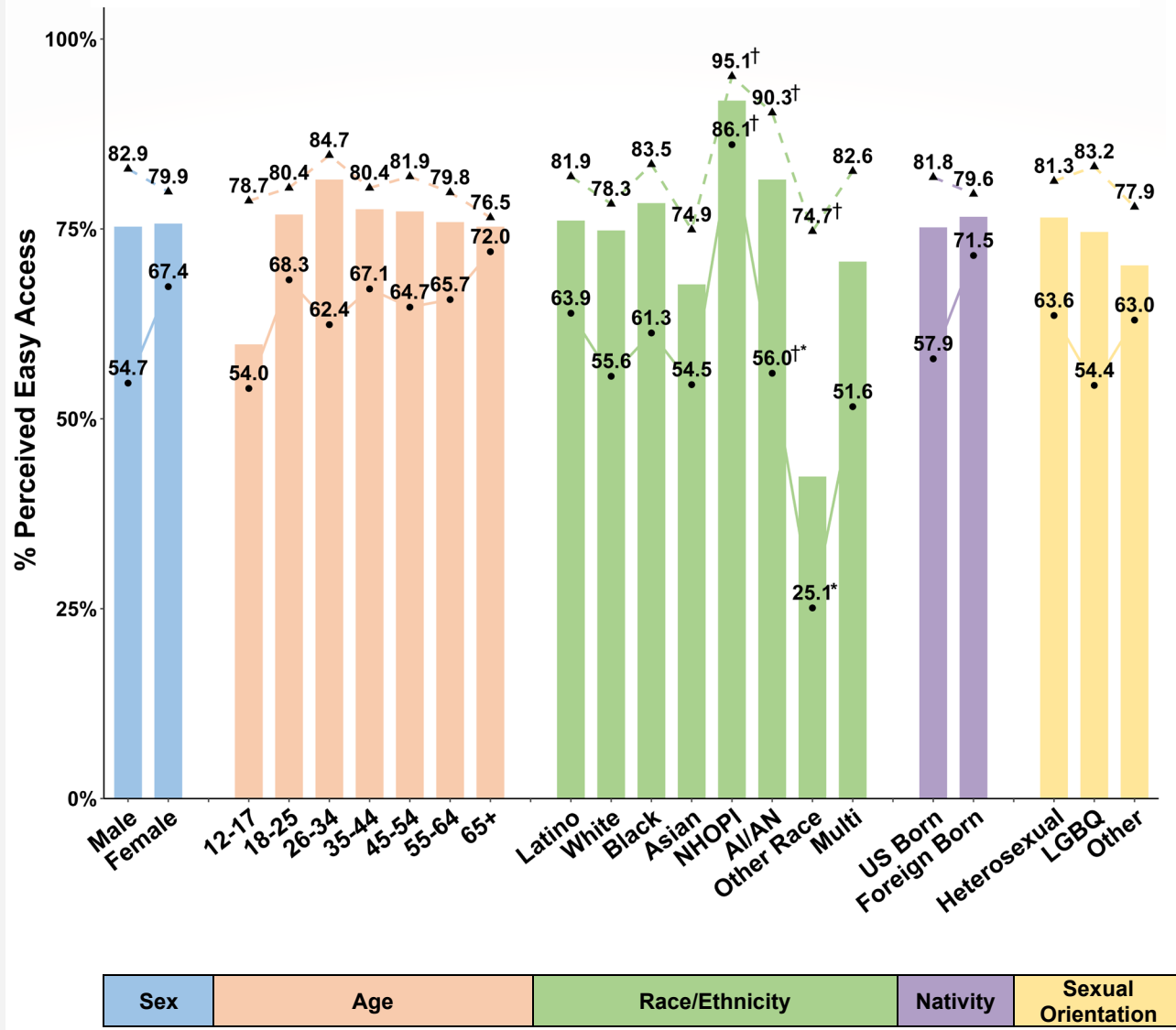
How **easy** would it be for **someone** to get alcohol on the street around your neighborhood? (%Easy)



Area	% Perceived Easy Access		
	All	PWUA	Non-PWUA
Service Planning Area (SPA)			
SPA 1	71.3	75.4	62.5
SPA 2	77.1	83.6	59.7
SPA 3	72.9	78.2	59.9
SPA 4	78.8	82.4	71.7
SPA 5	69.6	72.7	52.0
SPA 6	79.3	88.1	63.5
SPA 7	77.8	81.9	67.4
SPA 8	68.4	74.8	53.4
Supervisorial District (SD)			
SD 1	76.6	81.9	64.4
SD 2	77.4	84.2	63.7
SD 3	76.8	82.6	59.2
SD 4	73.7	78.6	63.4
SD 5	71.7	77.0	58.0

Notes: Easy access included response options "very easy" and "somewhat easy". PWUA included those who had ever used alcohol. Non-PWUA included those who had never used alcohol.
* The estimate for planning or policy purposes (RSE is between 30% and 50%); † The estimate is statistically unstable (sample size < 30); Interpret with caution.

Figure 17. Perceived Easy Access to Alcohol by Demographics



---▲--- PWUA —●— Non-PWUA

Alcohol Delivery Services

Have you ever, even once, used **home delivery services** (e.g., Uber Eats, Instacart) to buy alcohol? (%Yes)



Area	%Yes
Service Planning Area (SPA)	
SPA 1	11.1
SPA 2	10.2
SPA 3	8.3
SPA 4	8.6
SPA 5	10.7
SPA 6	9.4
SPA 7	6.9
SPA 8	6.7
Supervisory District (SD)	
SD 1	8.3
SD 2	8.8
SD 3	9.9
SD 4	6.3
SD 5	10.8

Notes:

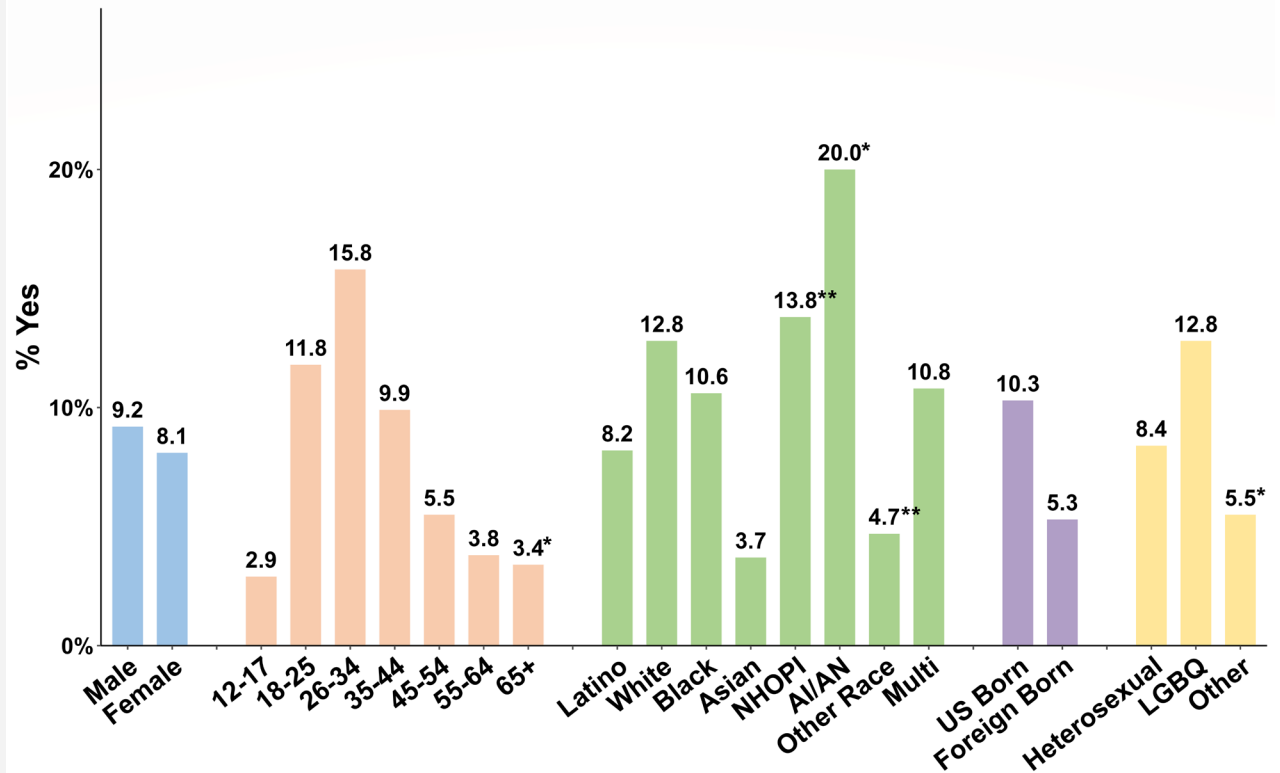
* The estimate is for planning or policy purposes (RSE is between 30% and 50%);

** The estimate is statistically unstable (RSE > 50%);

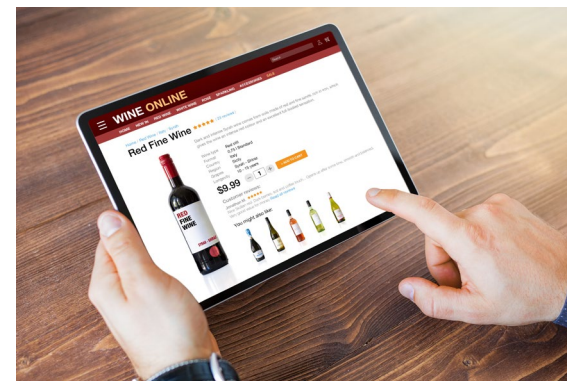
† The estimate is statistically unstable (sample size < 30);

Interpret with caution.

Figure 18. Alcohol Delivery Use by Demographics



Sex	Age	Race/Ethnicity	Nativity	Sexual Orientation
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Alcohol Delivery – ID Verification

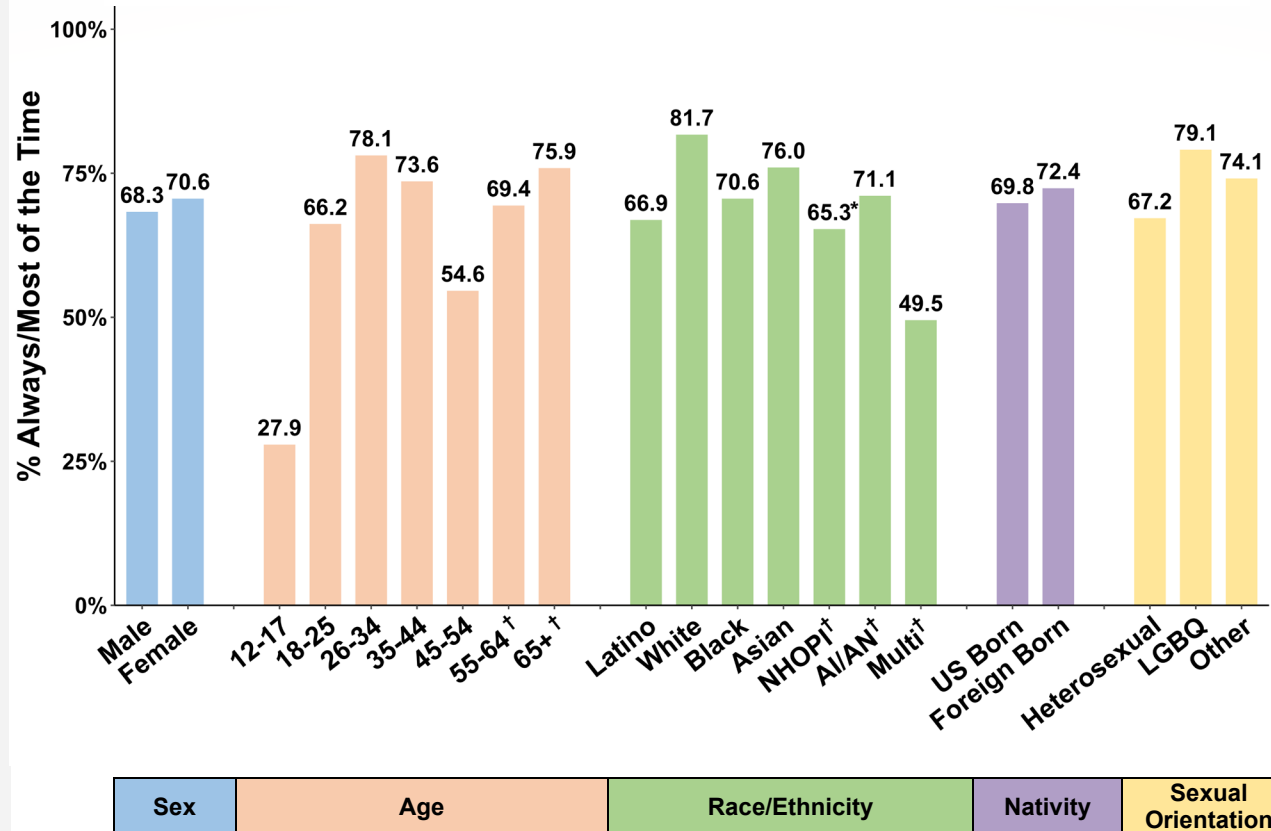
When you used these delivery services to buy alcohol, **how often** did the driver check an ID to verify your age (21+ years old)? (%Always/Most of the Time)



Area	%Always/Most of the Time
Service Planning Area (SPA)	
SPA 1	46.8
SPA 2	72.2
SPA 3	79.8
SPA 4	76.4
SPA 5 [†]	72.6
SPA 6	52.1
SPA 7	76.3
SPA 8	79.0
Supervisory District (SD)	
SD 1	79.3
SD 2	63.8
SD 3	72.4
SD 4	70.5
SD 5	64.0

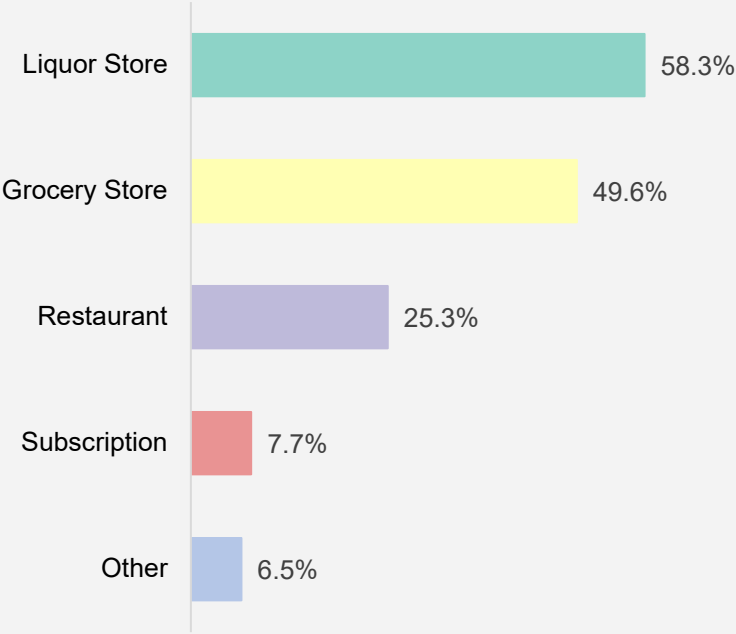
Notes: Only those who have used alcohol delivery services at least once in their lifetimes were asked this question.
 No respondents identifying as "Other Race" indicated "Always" or "Most of the time".
 * The estimate is for planning or policy purposes (RSE is between 30% and 50%);
 ** The estimate is statistically unstable (RSE > 50%);
 † The estimate is statistically unstable (sample size < 30);
 Interpret with caution.

Figure 19. Alcohol Delivery – ID Verification by Demographics



Alcohol Delivery Sources

Where were these services delivering the alcohol from?



Notes: Only those who have used alcohol delivery services at least once in their lifetimes were asked this question. Respondents selected all choices that applied. "Other" responses included "taxi", "app", "company that specialized in specialty alcohol drinks", etc.
 * The estimate is for planning or policy purposes (RSE is between 30% and 50%);
 ** The estimate is statistically unstable (RSE > 50%);
 † The estimate is statistically unstable (sample size < 30); Interpret with caution.

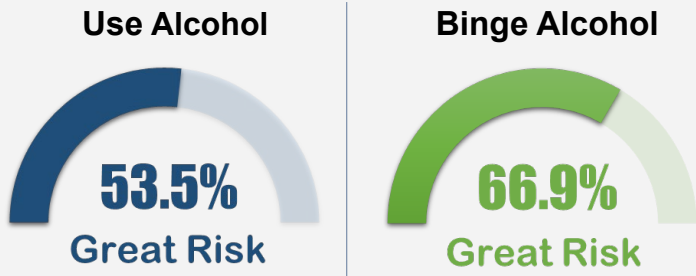


Table 1. Most Common Alcohol Delivery Sources by Demographics

	Liquor Store	Grocery Store	Restaurant	Subscription	Other
Most Common Delivery Sources (%)					
	1st	2nd	3rd	4th	5th
Sex					
Male	64.1	43.3	23.6	8.3	3.6*
Female	55.0	53.3	26.7	9.0*	7.3*
Age					
12-17	60.1	29.6*	28.5	6.9**	6.7**
18-25	64.9	57.0	25.4	8.4*	3.6*
26-34	67.0	49.3	23.7	4.2*	2.0**
35-44	52.8	46.9	27.8	7.6*	6.2*
45-54†	51.8	29.7	25.0	6.6**	6.6**
55-64†	41.2*	34.1*	23.1**	12.4**	5.5**
65+†	79.7	53.0*	52.8*	48.8**	40.7**
Race/Ethnicity					
Latino	62.7	46.8	27.0	9.1	6.9*
White	61.3	42.7	20.8	6.6**	0.1**
Black	52.9	50.5	20.8*	13.9*	0.7**
Asian	54.7	48.1	15.5**	3.6**	1.7**
NHOPI†	65.3*	34.7**	22.7**	.	.
AI/AN†	83.5	53.6*	32.0**	.	.
Other†	67.6*	32.4**	.	.	.
Multi†	59.4	42.1*	34.9*	13.8**	.
Nativity					
US Born	58.0	52.0	27.1	7.1	4.2
Foreign Born	59.2	41.2	18.8*	16.0*	7.4**
Sexual Orientation					
Heterosexual	56.0	48.9	22.6	7.0	5.9
LGBQ	67.5	48.8	30.0	5.5*	2.1*
Other	62.6	62.5	50.7*	32.4**	28.7**

Perceived Risk of Youth Harm

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



Area	Use Alcohol	Binge Alcohol
Service Planning Area (SPA)		
SPA 1	49.4	64.3
SPA 2	53.8	67.2
SPA 3	55.0	69.6
SPA 4	49.1	61.9
SPA 5	45.3	73.2
SPA 6	57.2	66.5
SPA 7	48.7	65.6
SPA 8	59.8	69.5
Supervisory District (SD)		
SD 1	51.1	66.8
SD 2	56.1	66.2
SD 3	54.2	67.5
SD 4	54.2	67.2
SD 5	49.5	66.8

Notes: **Regular use was defined as using/binging alcohol at least once or twice a week. Risk perception by use history is available in the Appendix.

* The estimate is for planning or policy purposes (RSE is between 30% and 50%);

† The estimate is statistically unstable (sample size < 30);

Interpret with caution.

Figure 20. Perceived Great Risk of Youth Using Alcohol Regularly by Demographics

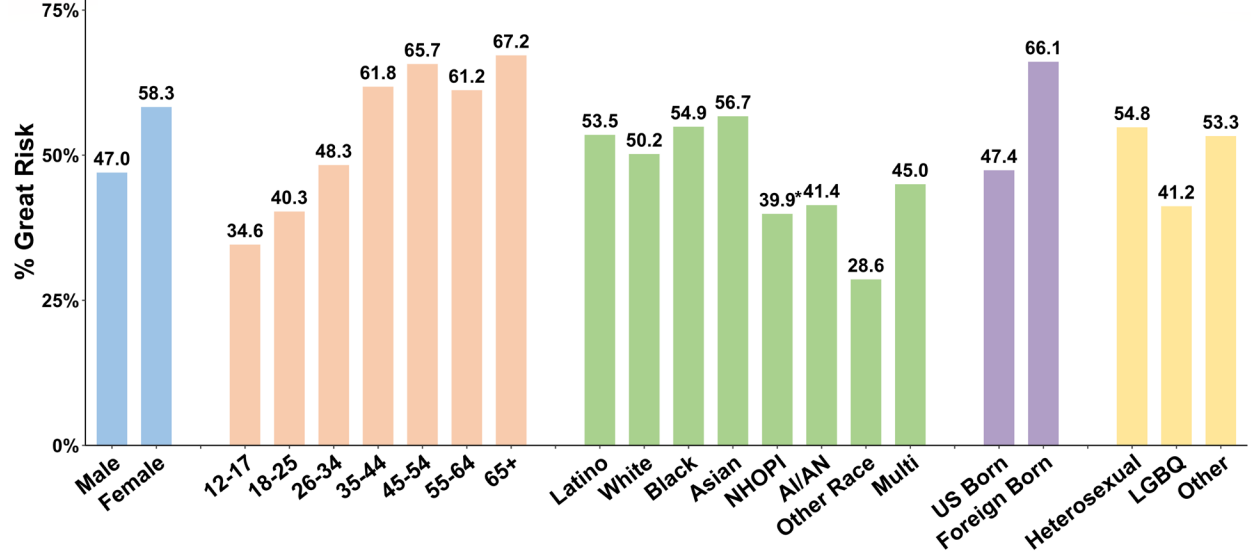
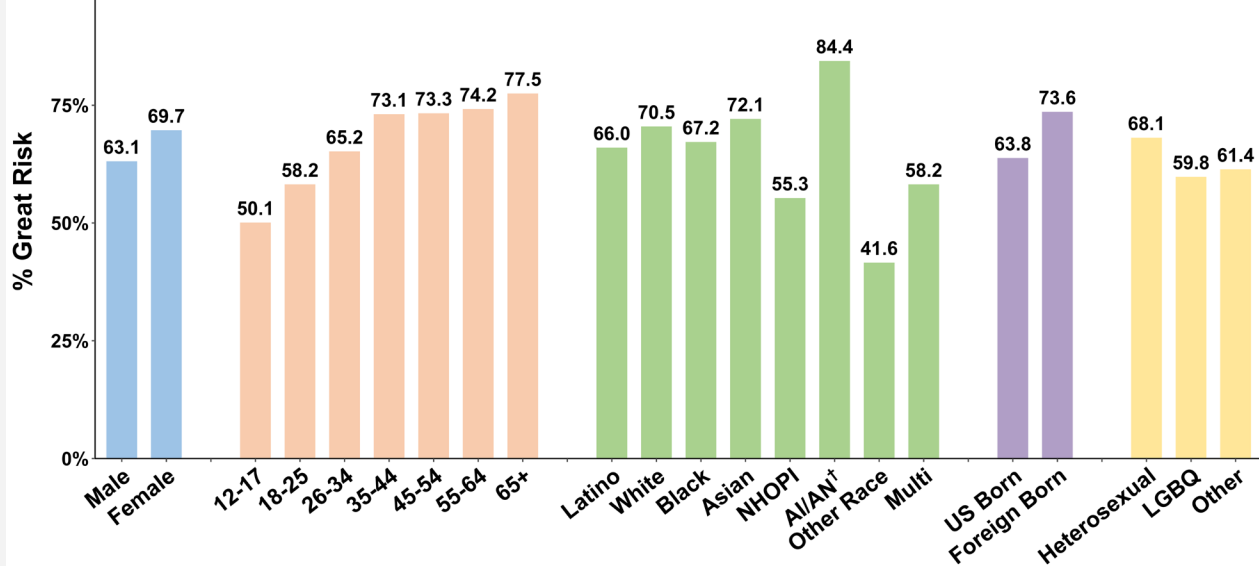


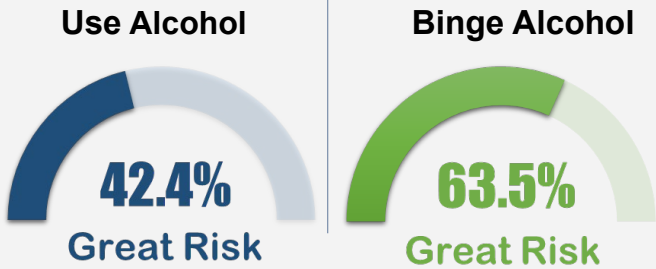
Figure 21. Perceived Great Risk of Youth Binging Alcohol Regularly by Demographics



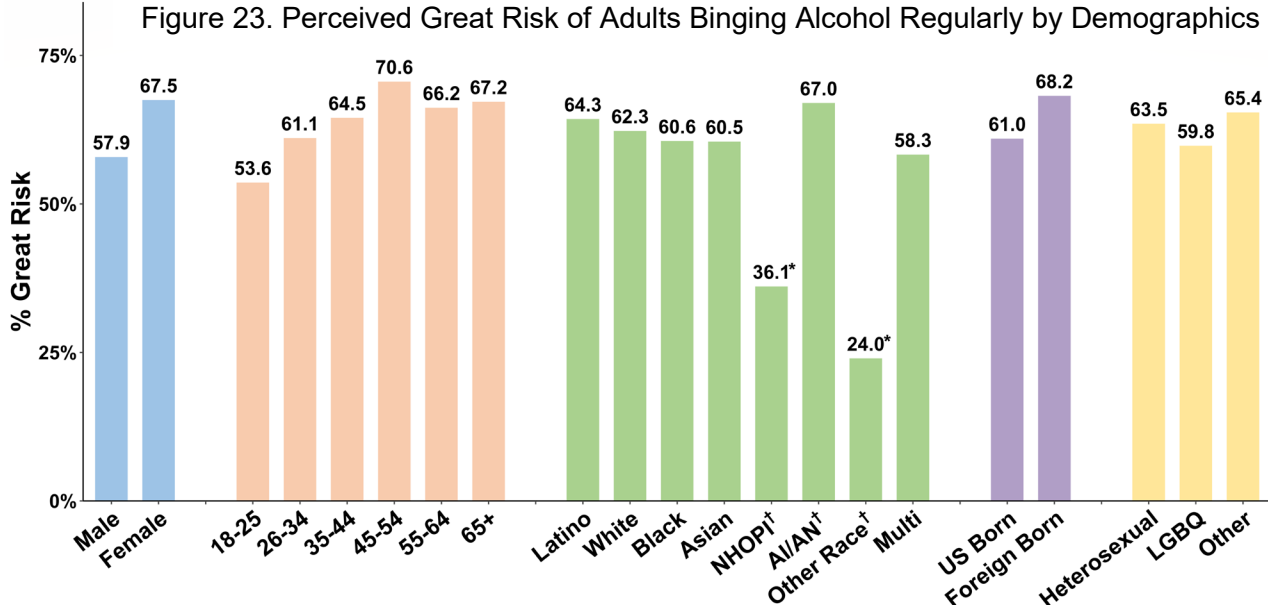
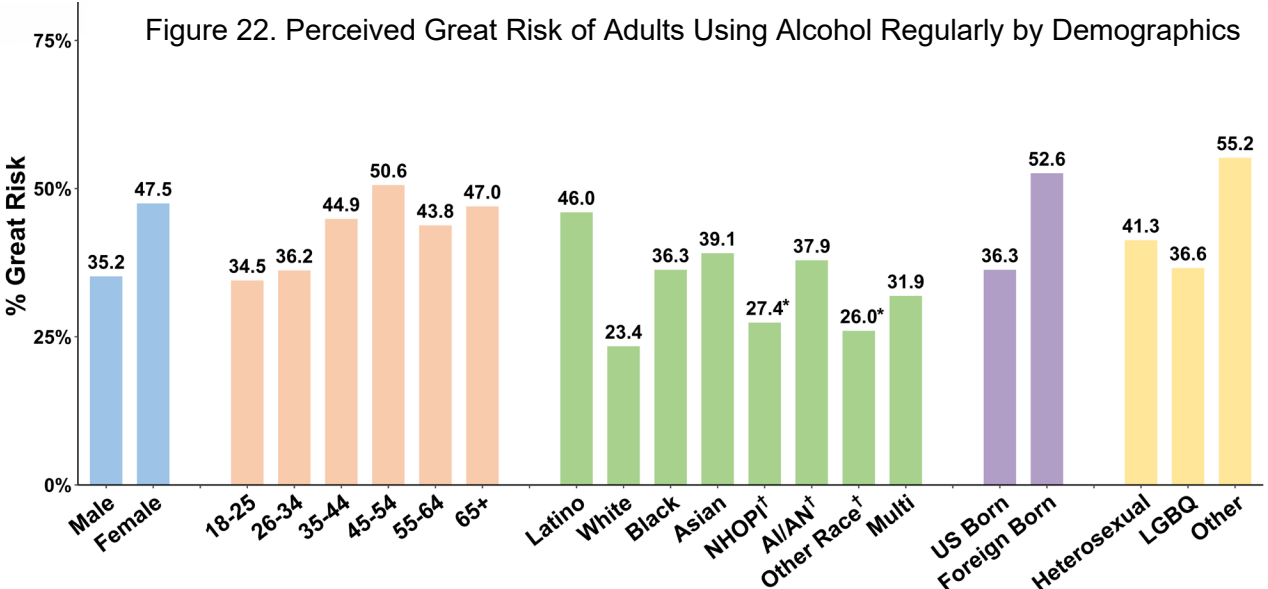
Sex	Age	Race/Ethnicity	Nativity	Sexual Orientation
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Perceived Risk of Adult Harm

How much do you think **adults risk** harming themselves if they do the following regularly**?
(%Great Risk)



Area	Use Alcohol	Binge Alcohol
Service Planning Area (SPA)		
SPA 1	39.7	60.9
SPA 2	38.8	63.5
SPA 3	37.9	64.1
SPA 4	49.7	66.3
SPA 5	23.1	66.2
SPA 6	47.9	63.8
SPA 7	42.7	60.4
SPA 8	43.6	65.2
Supervisorial District (SD)		
SD 1	41.7	64.2
SD 2	47.7	63.8
SD 3	39.5	63.9
SD 4	43.8	63.3
SD 5	33.1	61.5

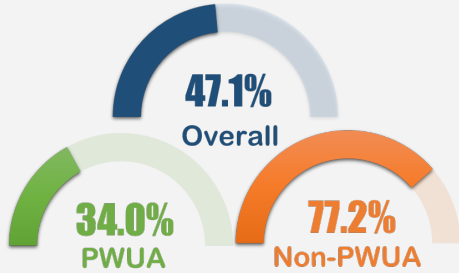


Sex	Age	Race/Ethnicity	Nativity	Sexual Orientation
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Notes: **Regular use was defined as using/binging alcohol at least once or twice a week. Only adult surveys (age 18+) included these questions. Risk perception by use history is available in the Appendix.
*The estimate is statistically unstable (RSE is between 30% and 50%);
† The estimate is statistically unstable (sample size < 30);
Interpret with caution.

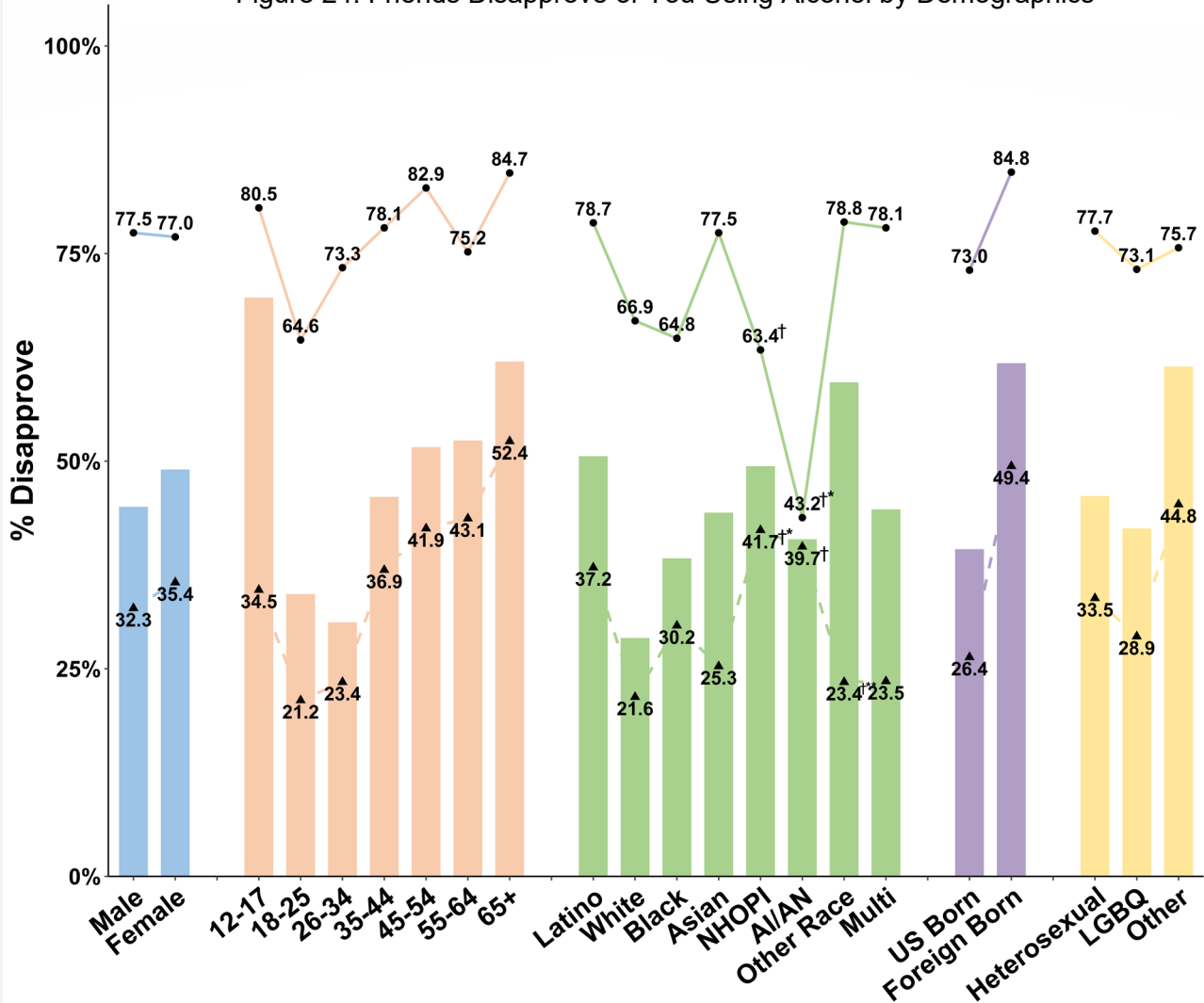
Perceived Peer Disapproval – Using Alcohol

How would your close friends feel if **you** used alcohol? (%Disapprove)



Area	% Perceived Disapproval		
	All	PWUA	Non-PWUA
Service Planning Area (SPA)			
SPA 1	45.5	30.0	78.4
SPA 2	43.0	30.0	76.6
SPA 3	45.1	30.4	80.8
SPA 4	54.5	38.1	87.9
SPA 5	24.2	17.6	62.5
SPA 6	54.1	43.7	73.3
SPA 7	45.3	32.4	77.5
SPA 8	46.6	35.6	71.5
Supervisory District (SD)			
SD 1	47.9	33.2	81.5
SD 2	54.0	42.8	76.0
SD 3	41.2	28.9	77.1
SD 4	46.3	33.3	75.3
SD 5	40.6	26.5	76.2

Figure 24. Friends Disapprove of You Using Alcohol by Demographics



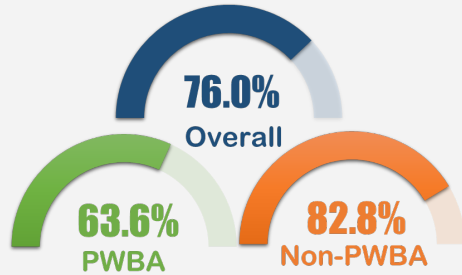
Sex	Age	Race/Ethnicity	Nativity	Sexual Orientation
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---▲--- PWUA —●— Non-PWUA

Notes: Disapproval included response options “strongly disapprove” and “disapprove”.
 PWUA included those who had ever used alcohol.
 Non-PWUA included those who had never used alcohol.
 * The estimate is for planning or policy purposes (RSE is between 30% and 50%);
 ** The estimate is statistically unstable (RSE > 50%);
 † The estimate is statistically unstable (sample size < 30);
 Interpret with caution.

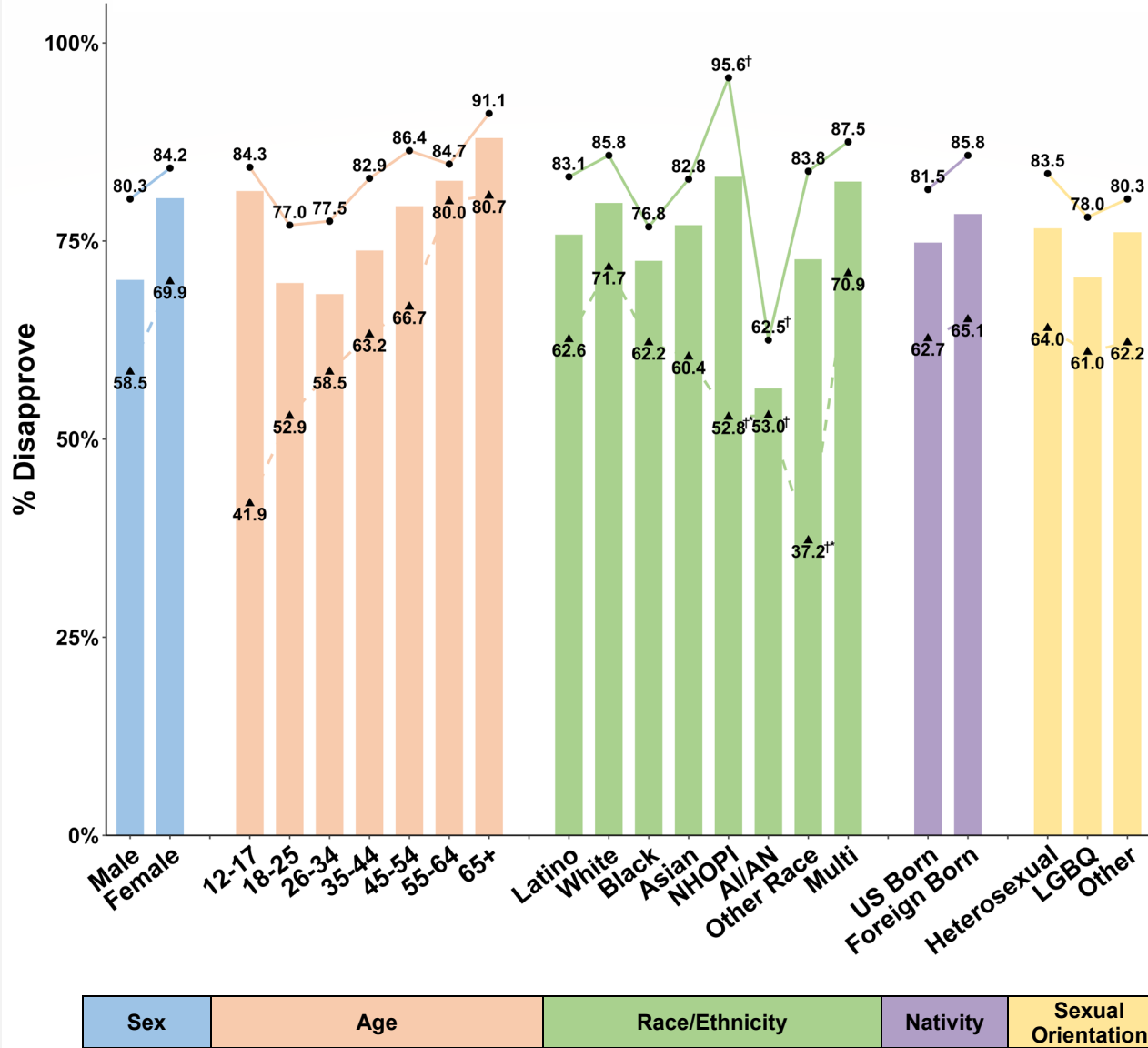
Perceived Peer Disapproval – Binging Alcohol

How would your close friends feel if **you** binged alcohol? (%Disapprove)



Area	% Perceived Disapproval		
	All	PWBA	Non-PWBA
Service Planning Area (SPA)			
SPA 1	71.1	47.9	82.1
SPA 2	75.2	63.3	82.1
SPA 3	77.3	65.5	84.7
SPA 4	76.6	56.7	87.1
SPA 5	80.7	72.4	87.1
SPA 6	74.9	63.8	80.0
SPA 7	74.9	66.0	80.2
SPA 8	79.6	67.2	85.4
Supervisory District (SD)			
SD 1	74.8	59.6	84.1
SD 2	76.8	65.1	82.7
SD 3	75.5	64.9	82.0
SD 4	77.3	68.3	81.7
SD 5	74.3	56.4	83.8

Figure 25. Friends Disapprove of You Binging Alcohol by Demographics



Notes: Disapproval included response options “strongly disapprove” and “disapprove”. PWBA included those who had ever binged alcohol. Non-PWBA included those who had never binged alcohol. * The estimate is for planning or policy purposes (RSE is between 30% and 50%); † The estimate is statistically unstable (sample size < 30); Interpret with caution.

---▲--- PWBA —●— Non-PWBA

Prevalence of Alcohol Use

- Among Los Angeles County (LAC) residents aged 12 and older, 69.8% reported ever using alcohol at least once in their lifetimes (lifetime alcohol use). This figure was lower than that reported in the 2022 National Survey on Drug Use and Health (NSDUH), in which 78.5% of the US population 12 and older had ever used alcohol.
- The prevalence of current alcohol use (at least once in the past 30 days) among LAC residents aged 12 and older was 39.2%. This was lower than that reported in the 2022 National Survey on Drug Use and Health (NSDUH), in which 48.7% of the US population 12 and older reported using alcohol at least once in the past month.
- Lifetime alcohol use was highest among males (73.0%), those aged 26-34 (85.6%), White individuals (84.4%), US Born (72.2%), and heterosexual individuals (72.2%).
- Current alcohol use was highest among males (43.3%), those aged 26-34 (53.4%), White individuals (50.1%), US Born (42.7%), and LGBTQ individuals (46.4%).
- The prevalence of lifetime alcohol use among youth aged 12-17 was 23.5%, which was slightly higher than the NSDUH (2022) prevalence of 22.3% lifetime alcohol use for the same age group.
- Service Planning Area (SPA) 5 reported the highest prevalence of current use of alcohol (48.7%), followed by SPA 2 (42.7%), SPA 3 (41.5%), SPA 4 (40.9%), SPA 8 (39.5%), SPA 7 (37.0%), SPA 1 (36.7%), and SPA 6 (34.6%).
- Supervisorial District (SD) 3 reported the highest prevalence of current alcohol use (43.6%), followed by SD 5 (42.4%), SD 1 (41.2%), SD 4 (37.2%), and SD 2 (35.1%).

Prevalence of Binging Alcohol

- Among LAC residents aged 12 and older, 35.5% reported ever binging¹ alcohol at least once in their lifetime.
- The prevalence of current alcohol binging (i.e., at least once in the past 30 days) was 10.3%, which was lower than that reported in the 2022 National Survey on Drug Use and Health (NSDUH), in which 21.7% of the US population 12 and older had binged alcohol in the past month.
- Lifetime binging of alcohol was highest in males (46.3%), those aged 26-34 (48.6%), American Indian/Alaska Native individuals (AI/AN, 65.4%), and LGBTQ individuals (43.5%).
- Reports of current binging of alcohol was twice as high in males (14.5%) than females (7.2%). Current binging was also highest in the following groups: those aged 26-34 (14.7%), US Born (11.0%) and LGBTQ individuals (15.0%).
- The prevalence of current binging was 3.1% in youth ages 12-17, which was lower than that reported in the 2021 High School Youth Risk Behavior Survey for LAC (4.3%).
- SPA 4 reported the highest prevalence of current binging of alcohol (13.6%), followed by SPA 3 (12.5%), SPA 2 (11.9%), SPA 6 (10.0%), SPA 1 (9.4%), SPA 8 (8.4%), SPA 7 (7.9%), and SPA 5 (3.8%).
- SD 1 reported the highest prevalence of current binging of alcohol (14.2%), followed by SD 3 (11.0%), SD 5 (10.8%), SD 2 (9.1%), and SD 4 (7.4%).

Frequency of Using Alcohol

- On average, those who currently use alcohol reported using 6 days in the past month.

¹ "Binging" was defined for participants as drinking 4 or more alcoholic drinks (for females) or 5 or more alcoholic drinks (for males) at the same time or within a couple of hours of each other (SAMHSA).

Summary of Findings (Cont.)

- SPAs 3 and 5 indicated the greatest number of days of use in the past month (7 days), followed by SPAs 2, 6, and 8 indicating 6 days of use. SPAs 1 and 4 indicated the least use, on average, at 5 days per month.
- SDs 1, 2, 3, and 5 indicated 6 days of use, on average. SD 4 indicated 5 days of use in the past month.

Frequency of Binging Alcohol

- On average, those who currently binge alcohol reported binging on 5 days in the past month.
- SPA 6 indicated the greatest number of days binged in the past month (7 days), followed by SPAs 4 and 1 (6 days), SPAs 3, 5[†], and 8 (5 days), SPA 7 (4 days), and SPA 2 (3 days).
- Among the Supervisorial Districts, SD 2 indicated the greatest number of days of binging alcohol in the past month (6 days), followed by SD 1 and 4 (5 days), SD 5 (4 days), and SD 3 (3 days).

Age of Initiation – Using Alcohol

- The average age of first use of alcohol among LAC residents aged 12 and older was 18 years; 46.9% of PWUA¹ first used alcohol before age 18.
- SPAs 3 and 5 indicated the youngest age of initiation (17 years of age, on average), while the rest of the SPAs indicated an average age of initiation of 18 years of age.
- SD 5 indicated the highest percentage of those initiating alcohol use under the age of 18 (51.6%), followed by SD 1 (50.5%), SD 3 (49.4%), SD 2 (43.8%), and SD 4 (42.9%).

Age of Initiation – Binging Alcohol

- The average age of the first time binging alcohol among LAC residents aged 12 and older was 19 years of age; 38.2% of PWBA² first binged alcohol before age 18.
- SPA 5 indicated the youngest age of initiation (17 years of age, on average), followed by SPA 1 (18 years), SPAs 2, 3, 4, and 8 (19 years), and SPAs 6 and 7 (both 20 years).
- SD 5 indicated the highest percentage of those binging alcohol before the age of 18 (46.1%), followed by SD 3 (42.0%), SD 1 (38.1%), SD 2 (36.0%), and SD 4 (33.3%).

Place of Last Use

- Home (44.0%) was the most common place of last alcohol use, followed by a public place like a restaurant or park (26.4%), a friend’s home (11.1%), a party/kick-back (7.4%), a relative’s home (7.4%), “other” (2.3%), work or school (1.0%), and “online happy hour” (0.4%)*.
- Males (44.4%), those aged 55-64 (61.7%), Black/African-American individuals (54.3%), Foreign Born (51.5%), and “Other” sexual orientation (47.6%) were more likely than other groups to indicate home as the last place of alcohol use.
- As compared to other age groups, youth (aged 12-17) reported “party/kick-back” as the place of last alcohol use the most often (20.8%), selecting that option at nearly three times that of respondents overall in LAC (7.4%). Similarly, this age group was the most likely to select “relative’s home”, reported at nearly three times that of respondents overall (7.4%).
- US-born respondents were more likely than foreign-born respondents to indicate a public place as the last place they consumed alcohol (28.9% vs. 20.3%), while foreign-born respondents were more likely to indicate home as the last place of alcohol use (51.5% vs. 40.6%).

† The estimate is statistically unstable (sample size < 30).
* The estimate is for planning or policy purposes (RSE is between 30% and 50%); Interpret with caution.
1) PWUA indicates a person who has ever used alcohol.
2) PWBA indicates a person who has ever binged alcohol.

Summary of Findings (Cont.)

Place of First Use

- Home (26.8%) was the most common place of first alcohol use (not just a sip), followed by a friend's home (22.9%), a party/kick-back (18.5%), a public place (13.1%), a relative's home (9.9%), school (5.9%), "other" (1.6%), work (1.2%), and "online happy hour (0.2%)*.
- The following demographic groups were more likely to indicate home as the first place of use: females (27.5%), those aged 65+ (37.5%), AI/AN individuals (50.7%)[†], Foreign Born (30.9%), and "Other" sexual orientation (37.4%).
- For those who indicated that they first drank alcohol (more than a sip) before age 18, the most common place of first use was a friend's home (27.4%) followed by their own home (24.5%), a party/kick-back (19.4%), a relative's home (10.0%), school (8.5%), a public place (7.6%), work (1.5%)*, "other" (1.0%)*, and online happy hour (0.1%)**.

Alcohol Use Among Close Friends

- 64.8% of LAC residents aged 12 and older had close friends who use alcohol. PWUA were more likely than non-PWUA¹ to have close friends who use alcohol (81.4% vs. 26.7%).
- Reports of having close friends who use alcohol were highest among males (67.7%), adults aged 26-34 (79.6%), White individuals (76.1%), those born in the US (68.0%), and LGBTQ individuals (68.9%).
- Reports of having close friends who use alcohol were highest in SPA 5 (77.4%), followed by SPA 3 (68.2%), SPA 2 (66.6%),

- SPA 7 (66.3%), SPA 8 (65.5%), SPA 1 (63.5%), SPA 4 (63.1%), and SPA 6 (58.1%).
- Reports of having close friends who use alcohol were highest in SD 5 (68.5%), followed by SD 3 (68.2%), SD 4 (65.3%), SD 1 (65.0%), and SD 2 (60.3%).

Alcohol Binging Among Close Friends

- Nearly one-third (30.5%) of LAC residents aged 12 and older had close friends who binge alcohol. PWBA were more likely than non-PWBA to have close friends who binge alcohol (57.1% vs. 16.1%).
- The prevalence of having close friends who binge alcohol was highest among the following groups: males (35.9%), adults aged 35-44 (40.2%), AI/AN individuals (39.6%)[†], and LGBTQ individuals (40.0%).
- Reports of having close friends who binge alcohol were highest in SPA 5 (34.8%), followed by SPA 4 (33.9%), SPA 7 (32.1%), SPA 1 (30.7%), SPA 2 (30.2%), SPA 3 (29.9%), SPA 6 (29.8%), and SPA 8 (26.7%).
- Reports of having close friends who binge alcohol were highest in SD 1 (32.9%), followed by SD 3 (31.7%), SD 5 (30.7%), SD 4 (29.4%), and SD 2 (28.8%).

Alcohol Use Among Family Members

- 65.7% of LAC residents aged 12 and older had family members who use alcohol. Those who have used alcohol (PWUA) were more likely than non-PWUA to have family members who use alcohol (78.5% vs. 36.7%).
- The following demographic groups were most likely to indicate that family members use alcohol: male (67.5%), those aged 26-34 (75.8%), White individuals (76.1%), US Born (71.9%), and LGBTQ individuals (73.8%).

* The estimate is for planning or policy purposes (RSE is between 30% and 50%);
** The estimate is statistically unstable (RSE > 50%);
[†] The estimate is statistically unstable (sample size < 30);
Interpret with caution.

Summary of Findings (Cont.)

- SPA 5 (69.7%) reported the highest prevalence of having family members who use alcohol, followed by SPA 3 (68.6%), SPA 2 (67.8%), SPA 7 (67.1%), SPA 1 (65.1%), SPA 4 (63.4%), SPA 8 (63.1%), and SPA 6 (62.9%).
- SD 5 (69.6%) reported the highest prevalence of having family members who use alcohol, followed by SD 1 (68.5%), SD 3 (67.4%), SD 4 (63.6%), and SD 2 (62.7%).

Alcohol Binging Among Family Members

- 28.8% of LAC residents aged 12 and older had family members who binge alcohol. Those who have binged alcohol (PWBA) were more likely than non-PWBA to have family members who binge alcohol (49.0% vs. 17.9%).
- The following demographic groups who were most likely to indicate that family members binge alcohol included: males (30.1%), those aged 26-34 (36.0%), AI/AN individuals (40.1%), US Born (30.7%), and LGBTQ individuals (36.8%).
- The demographic groups who were least likely to have a family member who binged alcohol included: females (27.8%), those aged 65+ (18.3%), Asian individuals (9.8%), Foreign Born (24.8%), and “Other” sexual orientation (23.0%).
- SPA 7 reported the highest prevalence of having family members who binge alcohol (32.1%), followed by SPA 6 (31.7%), SPA 1 (30.6%), SPA 4 (27.1%), SPA 8 (26.9%), SPA 2 (26.8%), SPA 3 (26.5%), and SPA 5 (22.9%).
- SD 4 (30.0%) reported the highest prevalence of having family members who binge alcohol, followed by SD 1 (29.6%), SD 2 (28.5%), SD 5 (28.1%), and SD 3 (27.1%).

Perceived Easy Access

- Among LAC residents aged 12 and older, 75.6% indicated that alcohol was either “very easy” or “somewhat easy” to obtain on the streets around their neighborhood. The

perception was more pronounced for those who had ever used alcohol (81.2%) than for those who had never used alcohol (62.5%).

- Among youth (ages 12-17), 59.8% indicated easy access to alcohol in their neighborhood.
- The following demographic groups were the most likely to report that alcohol was easy to access: females (75.7%), those ages 26-34 (81.5%), NHOPI individuals (91.9%), Foreign Born (76.6%), and heterosexual individuals (76.5%).
- Respondents from SPA 6 were the most likely to indicate that alcohol was easy to obtain (79.3%), followed by SPA 4 (78.8%), SPA 7 (77.8%), SPA 2 (77.1%), SPA 3 (72.9%), SPA 1 (71.3%), SPA 5 (69.6%), and SPA 8 (68.4%).
- Respondents from SD 2 were most likely to indicate that alcohol was easy to obtain (77.4%), followed by SD 3 (76.8%), SD 1 (76.6%), SD 4 (73.7%), and SD 5 (71.7%).

Use of Alcohol Delivery Services

- Among LAC residents 12+ years of age, 8.6% indicated ever using a delivery service (e.g., Uber Eats, Instacart) to purchase alcohol.
- Among those who had ever ordered alcohol via delivery service, the most common sources were liquor stores (58.3%), followed by grocery stores (49.6%), restaurants (25.3%), subscription services (7.8%), and “other” (6.5%).
- The following demographic groups were most likely to indicate ever using a delivery service for buying alcohol: males (9.2%), those ages 26-34 (15.8%), AI/AN individuals (20.0%)*, US Born (10.3%), and LGBTQ individuals (12.8%).

* The estimate is for planning or policy purposes (RSE is between 30% and 50%);

† The estimate is statistically unstable (sample size < 30); Interpret with caution.

Summary of Findings (Cont.)

- Respondents from SPA 1 indicated the highest prevalence of using alcohol delivery services (11.1%), followed by SPA 5 (10.7%), SPA 2 (10.2%), SPA 6 (9.4%), SPA 4 (8.6%), SPA 3 (8.3%), SPA 7 (6.9%), and SPA 8 (6.7%).
- Respondents from SD 5 reported the highest prevalence of using an alcohol delivery service (10.8%), followed by SD 3 (9.9%), SD 2 (8.8%), SD1 (8.3%), and SD 4 (6.3%).

Alcohol Delivery Services – ID Verification of Age

- Among those who had ever used alcohol delivery services, 69.6% indicated that the delivery employee had checked their ID to verify that they were 21 years of age or older either “always” or “most of the time”.
- Among the different age groups, youth (ages 12-17) were least likely to report that they had their ID checked when the alcohol was delivered (27.9%), while adults aged 26-34 were most likely to report regular ID checks with their alcohol deliveries (78.1%).
- SPA 3 reported the highest prevalence of having one’s ID checked upon alcohol delivery (79.8%), followed by SPA 8 (79.0%), SPA 4 (76.4%), SPA 7 (76.3%), SPA 5 (72.6%), SPA 2 (72.2%), SPA 6 (52.1%), and SPA 1 (46.8%).
- SD1 reported the highest prevalence of having one’s ID checked upon alcohol delivery (79.3%) for age verification, followed by SD 3 (72.4%), SD 4 (70.5%), SD 5 (64.0%), and SD 2 (63.8%).

Perceived Risk of Youth – Regular Alcohol Use

- Over half (53.5%) of LAC residents aged 12 and older perceived regular alcohol use (1-2 times per week) to be a great risk for youth.

- Perceptions of great risk for youth were very similar for those who had used alcohol and those who had not (53.2% vs. 53.8%).
- Overall, males (47.0%), youth aged 12-17 (34.6%), “Other” race (28.6%), US Born (47.4%) and LGBTQ individuals (41.2%) were least likely to perceive regular alcohol use to be a great risk for youth.
- The following groups were most likely to perceive regular alcohol use to be a great risk for youth: females (58.3%), those aged 45-54 (65.7%), Asian individuals (56.7%), Foreign Born (66.1%), and heterosexual individuals (54.8%).
- SPA 8 (59.8%) had the highest percentage of those perceiving regular alcohol use to be a great risk for youth, followed by SPA 6 (57.2%), SPA 3 (55.0%), SPA 2 (53.8%), SPA 1 (49.4%), SPA 4 (49.1%), SPA 7 (48.7%) and SPA 5 (45.3%).
- SD 2 (56.1%) had the highest percentage of those perceiving regular alcohol use to be a great risk for youth, followed by SDs 3 and 4 (both 54.2%), SD 1 (51.1%), and SD 5 (49.5%).

Perceived Risk of Youth – Regular Alcohol Binging

- 66.9% of LAC residents aged 12 and older perceived regular alcohol binging (1-2 times per week) to be a great risk for youth.
- Perceptions that binging poses a great risk for youth were more prevalent in those who had binged alcohol vs. those who had not (68.4% vs. 65.9%).
- Overall, the following groups were least likely to perceive regular binging to be a great risk for youth: males (63.1%), youth aged 12-17 (50.1%), “Other” race (41.6%), US Born (63.8%), and LGBTQ individuals (59.8%).

Summary of Findings (Cont.)

- The following groups were most likely to perceive regular alcohol bingeing to be a great risk for youth: females (69.7%), those aged 65+ (77.5%), AI/AN individuals (84.4%)[†], Foreign Born (73.6%), and heterosexual individuals (68.1%).
- SPA 5 (73.2%) reported the highest percentage of those perceiving regular bingeing to be a great risk for youth, followed by SPA 3 (69.6%), SPA 8 (69.5%), SPA 2 (67.2%), SPA 6 (66.5%), SPA 7 (65.6%), SPA 1 (64.3%) and SPA 4 (61.9%).
- SD 3 (67.5%) reported the highest percentage of those perceiving regular bingeing to be a great risk for youth, followed by SD 4 (67.2%), SDs 1 and 5 (66.8%), and SD 2 (66.2%).

Perceived Risk of Adults – Regular Alcohol Use

- Less than half (42.4%) of LAC residents aged 18 and older perceived regular use of alcohol (1-2 times per week) to be a great risk for adults.
- Those who had ever used alcohol (PWUA) were less likely to indicate great risk for regular adult use than those who had never used alcohol (37.8% vs. 57.3%).
- Males (35.2%), those aged 18-25 (34.5%), White individuals (23.4%), US Born (36.3%), and LGBTQ individuals (36.6%) were least likely to perceive regular use of alcohol to be a great risk for adults.
- The following groups were most likely to perceive regular alcohol use as a great risk to adults: females (47.5%), those aged 45-54 (50.6%), Latino individuals (46.0%), Foreign Born (52.6%), and “Other” sexual orientation (55.2%).
- SPA 4 was the mostly likely to perceive regular use of alcohol to be a great risk for adults (49.7%), followed by SPA 6 (47.9%), SPA 8 (43.6%), SPA 7 (42.7%), SPA 1 (39.7%), SPA 2 (38.8%), SPA 3 (37.9%), and SPA 5 (23.1%).

- SD 2 (47.7%) was the most likely to perceive regular alcohol use to be a great risk for adults, followed by SD 4 (43.8%), SD 1 (41.7%), SD 3 (39.5%), and SD 5 (33.1%).

Perceived Risk of Adults – Regular Alcohol Bingeing

- 63.5% of LAC residents aged 18 and older perceived regular bingeing of alcohol (1-2 times per week) to be a great risk for adults.
- Those who had ever used binged alcohol (PWBA) were less likely to indicate great risk for adults regularly bingeing than those who had never binged alcohol (59.7% vs. 66.0%).
- The following groups were least likely to perceive regularly bingeing alcohol as a great risk to adults: males (57.9%), those aged 18-25 (53.6%), “Other” race (24.0%)[†], US Born (61.0%), and LGBTQ individuals (59.8%).
- The following groups were most likely to perceive regularly bingeing alcohol as a great risk to adults: females (67.5%), those aged 45-54 (70.6%), AI/AN individuals (67.0%)[†], Foreign Born (68.2%), and “Other” sexual orientation (65.4%).
- SPA 4 was the mostly likely to perceive regular alcohol bingeing to be a great risk for adults (66.3%), followed by SPA 5 (66.2%), SPA 8 (65.2%), SPA 3 (64.1%), SPA 6 (63.8%), SPA 2 (63.5%), SPA 1 (60.9%), and SPA 7 (60.4%).
- SD 1 (64.2%) was the most likely to perceive regular alcohol bingeing to be a great risk for adults, followed by SD 3 (63.9%), SD 2 (63.8%), SD 4 (63.3%), and SD 5 (61.5%).

Perceived Social Disapproval – Using Alcohol

- Nearly half (47.1%) of LAC residents aged 12 and older perceived that their close friends would either disapprove or strongly disapprove if they used alcohol.

[†] The estimate is statistically unstable (sample size < 30); Interpret with caution.

Summary of Findings (Cont.)

- People who have used alcohol (PWUA) were less likely to think their close friends would disapprove of their alcohol usage (34.0%) as compared to those who have not used alcohol (77.2%).
- The following demographic groups were the most likely to think their close friends would disapprove of them if they used alcohol: females (49.0%), youth ages 12-17 (69.7%), “Other” race (59.5%), Foreign Born (61.8%), and “Other” sexual orientation (61.4%).
- Respondents from SPA 4 were most likely to perceive disapproval from close friends if they used alcohol (54.5%), followed by SPA 6 (54.1%), SPA 8 (46.6%), SPA 1 (45.5%), SPA 7 (45.3%), SPA 3 (45.1%), SPA 2 (43.0%), and SPA 5 (24.2%).
- The following groups were least likely to perceive that their close friends would disapprove of them if they used alcohol: males (44.5%), those aged 26-34 (34.0%), White individuals (28.7%), US Born (39.4%), and LGBTQ individuals (41.9%).
- SD 2 was most likely to perceive disapproval from close friends if they use alcohol (54.0%), followed by SD 1 (47.9%), SD 4 (46.3%), SD 3 (41.2%), and SD 5 (40.6%).
- The following groups were least likely to perceive that their close friends would disapprove of them bingeing alcohol: males (70.1%), those aged 26-34 (68.3%), AI/AN individuals (56.4%)[†], US Born (74.8%), and LGBTQ individuals (70.4%).
- The following demographic groups were the most likely to think their close friends would disapprove of them bingeing alcohol: females (80.4%), those aged 65+ (88.0%), NHOPI individuals (83.1%), Foreign Born (78.4%), and heterosexual individuals (76.6%).
- Respondents in SPA 5 were most likely to indicate that their close friends would disapprove if they used alcohol (80.7%), followed by SPA 8 (79.6%), SPA 3 (77.3%), SPA 4 (76.6%), SPA 2 (75.2%), SPAs 6 and 7 (both 74.9%), and SPA 1 (71.1%).
- Respondents from SD 4 were most likely to indicate disapproval from their friends if they binged alcohol (77.3%), followed by SD 2 (76.8%), SD 3 (75.5%), SD 1 (74.8%), and SD 5 (74.3%).

Perceived Social Disapproval – Binging Alcohol

- Over three-quarters (76.0%) of LAC residents aged 12 and older perceived that their close friends would either disapprove or strongly disapprove if they binged alcohol.
- People who have binged alcohol (PWBA) were less likely to think their close friends would disapprove of their alcohol binging (63.6%) as compared to those who have not binged alcohol (82.8%).

[†] The estimate is statistically unstable (sample size < 30); Interpret with caution.

Appendix A: Final Analysis Sample

Demographics for Final Analysis Sample

Category	N	%
LAC	8,123	
Sex		
Male	3,171	39.0%
Female	4,952	61.0%
Gender Identity		
Male	3,041	37.9%
Female	4,762	59.4%
Transgender Male	51	0.6%
Transgender Female	53	0.7%
Gender Non-Conforming	115	1.4%
Age		
12-17	2,752	33.9%
18-25	1,133	14.0%
26-34	1,212	14.9%
35-44	1,173	14.4%
45-54	897	11.0%
55-64	591	7.3%
65+	365	4.5%
Race/Ethnicity		
Latino	5,354	65.9%
White	678	8.4%
Black	1,052	13.0%
Asian	725	8.9%
NHOPi	46	0.6%
AI/AN	39	0.5%
Other	46	0.6%
Multi	183	2.3%
Nativity		
US Born	6,135	77.1%
Foreign Born	1,819	22.9%
Sexual Orientation		
Heterosexual	6,263	78.0%
LGBQ.	1,125	14.0%
Other	648	8.0%

Geographic Distribution for Final Analysis Sample

Area	N	%
LAC	8,123	
SPA 1	719	8.9%
SPA 2	1,440	17.7%
SPA 3	1,211	14.9%
SPA 4	967	11.9%
SPA 5	278	3.4%
SPA 6	1,411	17.4%
SPA 7	1,044	12.9%
SPA 8	1,053	13.0%
SD 1	1,807	22.3%
SD 2	2,171	26.7%
SD 3	1,186	14.6%
SD 4	1,483	18.3%
SD 5	1,476	18.2%

Notes: AI/AN includes "American Indian" and "Alaska Native".

NHOPi includes "Native Hawaiian or Other Pacific Islander".

"Other" sexual orientation included those who indicated "Other" and those who indicated "Prefer not to answer".

SPA and SD were based on zip code of residence, calculated based on the proportion of census block population distribution.

Appendix B: Prevalence of Use

Category	Lifetime Alcohol Use (%Yes)		Current Alcohol Use (%Yes)	
	%	95% C.I.	%	95% C.I.
LAC	69.8	(68.3 - 71.4)	39.2	(37.4 - 40.9)
Sex				
Male	73.0	(70.7 - 75.3)	43.3	(40.4 - 46.2)
Female	67.5	(65.5 - 69.5)	36.1	(34.0 - 38.2)
Age				
12-17	23.5	(20.7 - 26.3)	8.2	(6.5 - 10.0)
18-25	70.3	(66.6 - 74.1)	43.3	(39.1 - 47.5)
26-34	85.6	(82.9 - 88.3)	53.4	(49.4 - 57.4)
35-44	78.9	(75.7 - 82.1)	46.0	(41.8 - 50.2)
45-54	76.3	(72.4 - 80.3)	41.7	(37.0 - 46.4)
55-64	71.0	(65.7 - 76.4)	35.4	(29.8 - 41.0)
65+	70.6	(64.1 - 77.1)	31.3	(24.3 - 38.3)
Race/Ethnicity				
Latino	67.9	(66.0 - 69.7)	37.6	(35.5 - 39.6)
White	84.4	(80.9 - 87.9)	50.1	(44.6 - 55.5)
Black	76.5	(72.9 - 80.2)	45.4	(40.8 - 50.0)
Asian	64.5	(59.2 - 69.7)	35.3	(29.9 - 40.8)
NHOPI	64.3	(42.4 - 86.3)	37.9	(13.5 - 62.2)*
AI/AN	74.3	(57.5 - 91.1)	34.0	(15.8 - 52.1)
Other	34.9	(17.8 - 52.0)	20.4	(5.6 - 35.3)*
Multi	62.1	(53.5 - 70.7)	36.2	(27.1 - 45.2)
Nativity				
US Born	72.2	(70.5 - 73.8)	42.7	(40.7 - 44.8)
Foreign Born	65.6	(62.5 - 68.7)	32.5	(29.3 - 35.7)
Sexual Orientation				
Heterosexual	72.2	(70.6 - 73.9)	40.3	(38.3 - 42.2)
LGBQ	70.2	(66.1 - 74.3)	46.4	(41.5 - 51.3)
Other	46.6	(40.4 - 52.8)	21.4	(16.0 - 26.8)

Area	Lifetime Alcohol Use (%Yes)		Current Alcohol Use (%Yes)	
	%	95% C.I.	%	95% C.I.
LAC	69.8	(68.3 - 71.4)	39.2	(37.4 - 40.9)
SPA 1	67.6	(62.3 - 72.9)	36.7	(31.0 - 42.3)
SPA 2	72.2	(68.9 - 75.6)	42.7	(38.7 - 46.7)
SPA 3	70.8	(66.8 - 74.7)	41.5	(37.0 - 46.0)
SPA 4	66.8	(61.7 - 71.8)	40.9	(35.3 - 46.6)
SPA 5	85.2	(80.5 - 89.9)	48.7	(38.6 - 58.8)
SPA 6	65.9	(62.4 - 69.4)	34.6	(30.9 - 38.4)
SPA 7	71.4	(67.3 - 75.4)	37.0	(32.2 - 41.8)
SPA 8	69.5	(65.5 - 73.6)	39.5	(35.0 - 43.9)
SD 1	69.5	(66.0 - 73.1)	41.2	(37.1 - 45.2)
SD 2	66.6	(63.7 - 69.5)	35.1	(32.0 - 38.1)
SD 3	74.5	(71.1 - 77.9)	43.6	(39.5 - 47.8)
SD 4	69.5	(66.1 - 73.0)	37.2	(33.2 - 41.1)
SD 5	71.6	(68.1 - 75.1)	42.4	(38.4 - 46.5)

Notes: "Current use" was defined as using alcohol in the past 30 days.

* The estimate is for planning or policy purposes (RSE is between 30% and 50%); Interpret with caution.

Appendix C: Prevalence of Binging

Category	Lifetime Alcohol Binging (%Yes)		Current Alcohol Binging (%Yes)	
	%	95% C.I.	%	95% C.I.
LAC	35.5	(33.7 - 37.2)	10.3	(9.2 - 11.4)
Sex				
Male	46.3	(43.4 - 49.3)	14.5	(12.4 - 16.5)
Female	27.3	(25.4 - 29.2)	7.2	(6.1 - 8.2)
Age				
12-17	6.9	(5.4 - 8.4)	3.1	(2.0 - 4.1)
18-25	30.6	(26.6 - 34.6)	13.9	(11.1 - 16.6)
26-34	48.6	(44.6 - 52.6)	14.7	(11.9 - 17.6)
35-44	46.5	(42.3 - 50.7)	14.5	(11.2 - 17.7)
45-54	37.1	(32.5 - 41.8)	7.9	(5.6 - 10.2)
55-64	35.0	(29.2 - 40.7)	7.3	(4.6 - 10.1)
65+	31.2	(24.0 - 38.3)	3.3	(0.9 - 5.7)*
Race/Ethnicity				
Latino	36.2	(34.1 - 38.3)	11.4	(10.1 - 12.7)
White	42.7	(37.3 - 48.0)	7.8	(5.3 - 10.4)
Black	28.8	(24.4 - 33.1)	7.6	(5.3 - 9.9)
Asian	25.3	(20.4 - 30.2)	4.8	(2.5 - 7.2)
NHOPI	29.2	(9.4 - 49.0)*	7.2	(0.0 - 19.1)**
AI/AN	65.4	(47.1 - 83.8)	9.9	(0.9 - 18.9)*
Other	25.8	(9.7 - 41.9)*	13.2	(0.0 - 27.2)**
Multi	30.3	(21.6 - 38.9)	4.7	(1.2 - 8.2)*
Nativity				
US Born	35.4	(33.4 - 37.4)	11.0	(9.6 - 12.3)
Foreign Born	35.9	(32.5 - 39.2)	9.3	(7.4 - 11.1)
Sexual Orientation				
Heterosexual	35.6	(33.7 - 37.6)	10.3	(9.1 - 11.5)
LGBQ	43.5	(38.6 - 48.4)	15.0	(11.5 - 18.5)
Other	23.1	(17.7 - 28.4)	5.2	(2.2 - 8.3)

Area	Lifetime Alcohol Binging (%Yes)		Current Alcohol Binging (%Yes)	
	%	95% C.I.	%	95% C.I.
LAC	35.5	(33.7 - 37.2)	10.3	(9.2 - 11.4)
SPA 1	32.2	(26.8 - 37.6)	9.4	(6.1 - 12.8)
SPA 2	36.7	(32.8 - 40.6)	11.9	(9.3 - 14.5)
SPA 3	38.2	(33.8 - 42.7)	12.5	(9.6 - 15.4)
SPA 4	32.9	(27.7 - 38.2)	13.6	(9.2 - 17.9)
SPA 5	43.4	(33.1 - 53.8)	3.8	(1.7 - 5.9)
SPA 6	33.1	(29.3 - 37.0)	10.0	(7.5 - 12.5)
SPA 7	37.9	(33.0 - 42.9)	7.9	(5.5 - 10.4)
SPA 8	32.3	(27.7 - 36.8)	8.4	(6.0 - 10.7)
SD 1	37.9	(33.9 - 41.9)	14.2	(11.3 - 17.1)
SD 2	32.5	(29.4 - 35.7)	9.1	(7.2 - 11.0)
SD 3	38.4	(34.3 - 42.5)	11.0	(8.4 - 13.5)
SD 4	34.6	(30.6 - 38.7)	7.4	(5.5 - 9.4)
SD 5	34.7	(30.8 - 38.6)	10.8	(8.3 - 13.4)

Notes: "Current use" was defined as using alcohol in the past 30 days.

"Binging" was defined as drinking 4 or more alcoholic drinks (for females) or 5 or more alcoholic drinks (for males) at the same time or within a couple of hours of each other (Substance Abuse and Mental Health Services Administration).

* The estimate is for planning or policy purposes (RSE is between 30% and 50%); Interpret with caution.

** The estimate is statistically unstable (RSE > 50%); Interpret with caution.

Appendix D: Use Behaviors

Category	Age of Initiation		% Used Before Age 18		Number Days Used		Area	Age of Initiation		% Used Before Age 18		Number of Days Used	
	Mean	95% C.I.	%	95% C.I.	Mean	95% C.I.		Mean	95% C.I.	%	95% C.I.	Mean	95% C.I.
LAC	18	(18 - 18)	46.9	(44.7 - 49.1)	6	(5 - 6)	LAC	18	(18 - 18)	46.9	(44.7 - 49.2)	6	(5 - 6)
Sex													
Male	17	(17 - 17)	53.7	(50.1 - 57.4)	7	(6 - 7)	SPA 1	18	(17 - 18)	50.3	(43.0 - 57.6)	5	(4 - 6)
Female	19	(18 - 19)	41.3	(38.7 - 44.0)	5	(4 - 5)	SPA 2	18	(18 - 18)	48.5	(43.5 - 53.4)	6	(5 - 7)
Age							SPA 3	17	(17 - 18)	49.3	(43.7 - 54.9)	7	(6 - 8)
12-17	13	(13 - 14)	n/a	(n/a - n/a)	6	(4 - 9)	SPA 4	18	(17 - 18)	50.5	(43.4 - 57.7)	5	(4 - 6)
18-25	18	(18 - 18)‡	48.2	(43.0 - 53.4)	6	(5 - 7)	SPA 5	17	(16 - 17)	63.1	(52.3 - 73.9)	7	(4 - 9)
26-34	n/a	(n/a - n/a)	50.8	(46.4 - 55.2)	6	(5 - 6)	SPA 6	18	(18 - 19)	42.6	(37.5 - 47.7)	6	(5 - 7)
35-44	n/a	(n/a - n/a)	43.6	(38.7 - 48.4)	6	(5 - 7)	SPA 7	18	(18 - 19)	44.5	(38.5 - 50.5)	5	(4 - 6)
45-54	n/a	(n/a - n/a)	39.0	(33.5 - 44.6)	6	(5 - 6)	SPA 8	18	(18 - 19)	43.5	(37.7 - 49.3)	6	(5 - 7)
55-64	n/a	(n/a - n/a)	47.1	(40.1 - 54.1)	7	(5 - 8)							
65+	n/a	(n/a - n/a)	30.1	(21.9 - 38.4)	4	(2 - 6)	SD 1	17	(17 - 18)	50.5	(45.4 - 55.6)	6	(5 - 7)
Race/Ethnicity							SD 2	18	(18 - 19)	43.8	(39.7 - 47.8)	6	(5 - 6)
Latino	18	(18 - 18)	47.0	(44.3 - 49.7)	5	(5 - 6)	SD 3	18	(17 - 18)	49.4	(44.4 - 54.5)	6	(5 - 7)
White	17	(16 - 17)	56.4	(50.3 - 62.5)	7	(5 - 8)	SD 4	19	(18 - 19)	42.9	(37.9 - 47.8)	5	(5 - 6)
Black	18	(17 - 19)	42.0	(36.5 - 47.5)	6	(5 - 7)	SD 5	17	(17 - 18)	51.6	(46.6 - 56.7)	6	(5 - 7)
Asian	19	(19 - 20)	34.2	(27.6 - 40.8)	5	(4 - 7)							
NH/PI	15	(13 - 18)†	77.8	(53.2 - 100.0)†	5	(1 - 8)*							
AI/AN	13	(12 - 15)†	91.7	(81.6 - 100.0)†	10	(3 - 17)†*							
Other	17	(16 - 18)†	51.8	(20.2 - 83.4)†*	4	(3 - 7)†							
Multi	17	(14 - 20)	66.2	(54.2 - 78.2)	5	(1 - 7)*							
Nativity													
US Born	17	(17 - 17)	53.1	(50.5 - 55.6)	6	(5 - 6)							
Foreign Born	20	(19 - 20)	34.1	(29.9 - 38.4)	6	(5 - 7)							
Sexual Orientation													
Heterosexual	18	(18 - 18)	45.9	(43.5 - 48.4)	6	(5 - 6)							
LGBQ	17	(16 - 17)	57.7	(51.5 - 63.8)	6	(5 - 7)							
Other	20	(18 - 21)	40.6	(31.1 - 50.1)	5	(4 - 7)							

Notes: "Age of Initiation" and "% Used Before Age 18" were asked only to those who have used alcohol at least once in their lifetimes.

"Number of Days Used" indicated the number of days a person used alcohol in the past 30 days.

The question was only asked to those who had used alcohol in the past 30 days.

‡ The mean and C.I. were calculated using the 18+ age category

* The estimate is for planning or policy purposes (RSE is between 30% and 50%); Interpret with caution.

† The estimate is statistically unstable (sample size < 30); Interpret with caution.

Appendix E: Binging Behaviors

Category	Age of Initiation		% Binged Before Age 18		Number Days Binged		Area	Age of Initiation		% Binged Before Age 18		Number of Days Binged	
	Mean	95% C.I.	%	95% C.I.	Mean	95% C.I.		Mean	95% C.I.	%	95% C.I.	Mean	95% C.I.
LAC	19	(19 - 20)	38.2	(34.9 - 41.4)	5	(4 - 6)	LAC	19	(19 - 20)	38.2	(34.9 - 41.4)	5	(4 - 6)
Sex													
Male	19	(18 - 19)	42.3	(37.5 - 47.1)	6	(4 - 7)	SPA 1	18	(17 - 19)	49.9	(39.2 - 60.7)	6	(3 - 9)
Female	20	(20 - 21)	32.7	(28.6 - 36.8)	4	(3 - 4)	SPA 2	19	(19 - 20)	39.7	(32.5 - 46.9)	3	(3 - 4)
Age													
12-17	14	(14 - 15)	n/a	(n/a - n/a)	5	(2 - 7)*	SPA 3	19	(18 - 20)	40.1	(32.4 - 47.9)	5	(3 - 6)
18-25	19	(19 - 20)‡	35.4	(27.9 - 43.0)	6	(4 - 9)	SPA 4	19	(19 - 20)	39.8	(29.5 - 50.1)	6	(2 - 9)
26-34	n/a	(n/a - n/a)	36.0	(30.1 - 42.0)	4	(3 - 5)	SPA 5	17	(16 - 18)	64.9	(49.3 - 80.5)	5	(3 - 8)‡
35-44	n/a	(n/a - n/a)	36.6	(29.9 - 43.2)	4	(3 - 5)	SPA 6	20	(20 - 21)	30.5	(23.2 - 37.7)	7	(4 - 9)
45-54	n/a	(n/a - n/a)	36.1	(27.8 - 44.3)	6	(4 - 8)	SPA 7	20	(19 - 20)	32.7	(24.4 - 41.1)	4	(3 - 5)
55-64	n/a	(n/a - n/a)	42.5	(31.7 - 53.2)	7	(4 - 11)	SPA 8	19	(19 - 20)	39.4	(30.0 - 48.9)	5	(3 - 7)
65+	n/a	(n/a - n/a)	40.7	(25.6 - 55.8)	4	(0 - 7)†*	SD 1	19	(18 - 19)	38.1	(30.9 - 45.2)	5	(3 - 7)
Race/Ethnicity													
Latino	19	(19 - 20)	36.9	(33.1 - 40.7)	5	(4 - 6)	SD 2	20	(19 - 20)	36.0	(29.8 - 42.2)	6	(5 - 8)
White	19	(17 - 20)	54.0	(45.6 - 62.3)	4	(3 - 6)	SD 3	19	(18 - 19)	42.0	(34.6 - 49.4)	3	(3 - 4)
Black	20	(19 - 21)	30.3	(21.0 - 39.7)	6	(3 - 9)	SD 4	20	(20 - 21)	33.3	(25.9 - 40.6)	5	(3 - 6)
Asian	20	(19 - 22)	28.3	(16.6 - 39.9)	3	(2 - 4)	SD 5	19	(18 - 20)	46.1	(38.8 - 53.4)	4	(3 - 6)
NHOPI	17	(15 - 19)‡	41.1	(2.5 - 79.7)†*	3	(2 - 3)‡							
AI/AN	15	(13 - 16)‡	82.9	(65.4 - 100.0)‡**	12	(0 - 24)‡**							
Other	22	(18 - 21)‡	34.2	(2.6 - 65.8)†*	13	(-1 - 11)‡**							
Multi	19	(16 - 28)	30.2	(15.1 - 45.4)	5	(-4 - 29)‡**							
Nativity													
US Born	18	(18 - 19)	44.4	(40.5 - 48.3)	5	(4 - 6)							
Foreign Born	21	(20 - 22)	25.8	(20.0 - 31.5)	4	(3 - 5)							
Sexual Orientation													
Heterosexual	19	(19 - 20)	37.8	(34.1 - 41.5)	5	(4 - 6)							
LGBQ	19	(18 - 19)	39.8	(31.7 - 47.8)	5	(4 - 6)							
Other	20	(17 - 22)	39.9	(25.2 - 54.7)	7	(2 - 11)†*							

Notes: "Age of Initiation" and "% Binged Before Age 18" were asked only to those who have binged alcohol at least once in their lifetimes. "Number of Days Binged" indicated the number of days a person binged alcohol in the past 30 days. The question was only asked to those who had binged alcohol in the past 30 days.

‡ The mean and C.I. were calculated using the 18+ age category.

* The estimate is for planning or policy purposes (RSE is between 30% and 50%); Interpret with caution.

** The estimate is statistically unstable (RSE > 50%); Interpret with caution.

† The estimate is statistically unstable (sample size < 30); Interpret with caution.

Appendix F: Place of Last Alcohol Use

Last Place of Alcohol Use

Category	Home		Public Place (In/Outdoors)		Friend's Home		Party/Kick-back	
	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	44.0	(41.6 - 46.3)	26.4	(24.4 - 28.4)	11.1	(9.7 - 12.5)	7.4	(6.2 - 8.6)
Sex								
Male	44.4	(40.6 - 48.2)	24.8	(21.5 - 28.1)	12.0	(9.6 - 14.4)	7.3	(5.3 - 9.4)
Female	43.6	(40.8 - 46.5)	27.7	(25.2 - 30.2)	10.4	(8.7 - 12.0)	7.5	(6.0 - 8.9)
Age								
12-17	26.1	(19.9 - 32.2)	10.4	(5.5 - 15.2)	16.2	(11.6 - 20.8)	20.8	(14.7 - 27.0)
18-25	33.0	(28.0 - 37.9)	28.0	(23.1 - 32.9)	14.6	(11.0 - 18.1)	11.9	(8.0 - 15.9)
26-34	37.3	(32.9 - 41.6)	34.6	(30.2 - 39.0)	12.0	(9.0 - 14.9)	4.1	(2.5 - 5.7)
35-44	46.3	(41.2 - 51.4)	23.9	(19.5 - 28.3)	10.9	(7.5 - 14.4)	7.6	(4.9 - 10.4)
45-54	49.3	(43.4 - 55.2)	29.6	(24.2 - 35.0)	9.5	(6.3 - 12.7)	5.6	(2.9 - 8.2)
55-64	61.7	(54.6 - 68.7)	17.9	(12.7 - 23.2)	6.0	(3.2 - 8.7)	5.5	(2.2 - 8.8)*
65+	57.1	(47.4 - 66.9)	15.3	(8.8 - 21.9)	9.1	(3.7 - 14.6)*	7.3	(1.6 - 12.9)*
Race/Ethnicity								
Latino	42.1	(39.3 - 45.0)	26.9	(24.4 - 29.4)	11.1	(9.4 - 12.8)	8.1	(6.5 - 9.6)
White	49.1	(42.9 - 55.3)	24.5	(19.2 - 29.7)	11.0	(7.1 - 14.9)	5.5	(2.9 - 8.2)
Black	54.3	(48.4 - 60.2)	21.0	(16.4 - 25.5)	8.3	(5.4 - 11.2)	6.9	(4.1 - 9.7)
Asian	42.8	(35.0 - 50.7)	30.6	(23.3 - 37.8)	15.0	(9.0 - 20.9)	4.1	(1.4 - 6.7)*
NHOP [†]	11.4	(0.0 - 25.8)**	55.6	(22.6 - 88.5)*	16.7	(0.0 - 40.2)**	13.7	(0.0 - 33.7)**
AI/AN [†]	38.2	(13.2 - 63.2)*	47.5	(23.4 - 71.5)	6.0	(0.0 - 17.3)**	6.0	(0.0 - 17.3)**
Other [†]	46.9	(15.1 - 78.7)*	0.0	--	16.0	(0.0 - 44.0)**	7.4	(0.0 - 21.6)**
Multi	35.2	(22.9 - 47.6)	39.0	(26.4 - 51.6)	15.0	(5.3 - 24.6)*	1.7	(0.0 - 4.1)**
Nativity								
US Born	40.6	(38.0 - 43.2)	28.9	(26.4 - 31.3)	11.2	(9.6 - 12.8)	6.6	(5.3 - 7.9)
Foreign Born	51.5	(46.8 - 56.2)	20.3	(16.6 - 24.0)	11.1	(8.1 - 14.1)	9.2	(6.4 - 12.1)
Sexual Orientation								
Heterosexual	44.5	(42.0 - 47.1)	25.8	(23.6 - 28.1)	10.6	(9.1 - 12.1)	7.5	(6.1 - 8.9)
LGBQ	35.8	(29.6 - 41.9)	33.0	(26.4 - 39.7)	14.5	(10.1 - 18.8)	6.1	(3.7 - 8.4)
Other	47.6	(37.1 - 58.1)	23.1	(14.6 - 31.6)	11.6	(4.9 - 18.3)	9.6	(4.8 - 14.4)

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

Respondents selected only one of the options.

"Public Place" included indoor and outdoor public places such as "bars", "clubs", "restaurants", "parks", "mountains", "hiking trails", "beaches", and "around the neighborhood".

* The estimate is for planning or policy purposes (RSE is between 30% and 50%); Interpret with caution.

** The estimate is statistically unstable (RSE > 50%); Interpret with caution.

† The estimate is statistically unstable (sample size < 30); Interpret with caution.

Appendix F: Place of Last Alcohol Use (Cont.)

Last Place of Alcohol Use

Category	Relative's Home		Other		School/Work		Online Happy Hour	
	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	7.4	(6.2 - 8.6)	2.3	(1.6 - 3.0)	1.0	(0.5 - 1.4)	0.4	(0.1 - 0.8)*
Sex								
Male	6.9	(5.0 - 8.8)	2.7	(1.4 - 4.0)	1.4	(0.5 - 2.3)*	0.4	(0.0 - 0.9)**
Female	7.8	(6.2 - 9.4)	1.9	(1.3 - 2.6)	0.6	(0.3 - 0.9)	0.5	(0.0 - 1.0)**
Age								
12-17	19.5	(11.8 - 27.3)	2.6	(0.9 - 4.3)*	3.5	(0.9 - 6.1)*	0.9	(0.0 - 2.2)**
18-25	9.2	(5.9 - 12.5)	1.7	(0.8 - 2.7)	1.4	(0.0 - 3.0)**	0.2	(0.0 - 0.6)**
26-34	7.1	(4.7 - 9.4)	3.2	(1.0 - 5.3)*	1.0	(0.1 - 1.9)*	0.8	(0.0 - 1.9)**
35-44	8.1	(5.2 - 11.1)	1.4	(0.5 - 2.3)*	1.4	(0.2 - 2.5)*	0.4	(0.0 - 1.1)**
45-54	3.6	(1.5 - 5.6)	1.8	(0.6 - 3.0)*	0.5	(0.0 - 1.0)**	0.2	(0.0 - 0.6)**
55-64	4.9	(1.9 - 8.0)*	3.4	(0.9 - 5.9)*	0.0	--	0.7	(0.0 - 1.8)**
65+	8.4	(3.3 - 13.4)*	2.5	(0.0 - 5.4)**	0.2	(0.0 - 0.6)**	0.0	--
Race/Ethnicity								
Latino	8.4	(6.8 - 9.9)	1.9	(1.1 - 2.7)	0.9	(0.4 - 1.4)	0.6	(0.1 - 1.0)*
White	4.6	(1.9 - 7.3)*	3.8	(1.3 - 6.3)*	1.5	(0.1 - 3.0)*	0.0	(0.0 - 0.0)**
Black	6.3	(3.3 - 9.4)	2.1	(0.6 - 3.5)*	1.0	(0.0 - 2.6)**	0.2	(0.0 - 0.5)**
Asian	3.2	(1.1 - 5.2)*	3.9	(0.7 - 7.1)*	0.6	(0.0 - 1.7)**	0.0	--
NHOP [†]	0.0	--	0.0	--	0.0	--	2.6	(0.0 - 7.9)**
AI/AN [†]	2.4	(0.0 - 7.1)**	0.0	--	0.0	--	0.0	--
Other [†]	15.6	(0.0 - 43.0)**	14.0	(0.0 - 33.6)**	0.0	--	0.0	--
Multi	2.6	(0.1 - 5.2)*	2.4	(0.0 - 5.9)**	4.0	(0.0 - 11.0)**	0.0	--
Nativity								
US Born	8.7	(7.1 - 10.3)	2.3	(1.4 - 3.2)	1.2	(0.6 - 1.8)	0.5	(0.1 - 1.0)*
Foreign Born	4.7	(3.0 - 6.4)	2.4	(1.2 - 3.5)	0.6	(0.0 - 1.3)**	0.2	(0.0 - 0.6)**
Sexual Orientation								
Heterosexual	7.9	(6.5 - 9.2)	2.4	(1.6 - 3.2)	1.0	(0.5 - 1.6)	0.2	(0.0 - 0.4)*
LGBQ	6.1	(3.1 - 9.2)	1.4	(0.6 - 2.2)*	1.1	(0.3 - 2.0)*	2.0	(0.0 - 4.5)**
Other	3.9	(1.1 - 6.7)*	3.3	(0.4 - 6.2)*	0.1	(0.0 - 0.2)**	0.8	(0.0 - 2.4)**

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

Respondents selected only one of the options.

Youth surveys included the option of "school" while the adult surveys included the option of "work".

"Other" responses included "concert", "festival", "casino", "football game", etc.

* The estimate is for planning or policy purposes (RSE is between 30% and 50%); Interpret with caution.

** The estimate is statistically unstable (RSE > 50%); Interpret with caution.

† The estimate is statistically unstable (sample size < 30); Interpret with caution.

Appendix G: Place of First Alcohol Use

First Place of Alcohol Use

Category	Home		Friend's Home		Party/Kick-back		Public Place (In/Outdoors)		Relative's Home	
	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	26.8	(24.7 - 28.8)	22.9	(21.0 - 24.9)	18.5	(16.6 - 20.3)	13.1	(11.5 - 14.7)	9.9	(8.6 - 11.3)
Age of Initiation										
Before 18	24.5	(21.8 - 27.2)	27.4	(24.4 - 30.5)	19.4	(16.7 - 22.1)	7.6	(5.9 - 9.4)	10.0	(8.0 - 11.9)
18+	28.3	(25.3 - 31.3)	19.3	(16.8 - 21.9)	17.5	(14.9 - 20.0)	18.2	(15.7 - 20.8)	9.9	(7.8 - 11.9)
Sex										
Male	25.8	(22.6 - 29.0)	24.3	(20.9 - 27.6)	18.2	(15.2 - 21.3)	12.5	(9.9 - 15.2)	10.2	(7.9 - 12.5)
Female	27.5	(24.9 - 30.2)	21.9	(19.6 - 24.2)	18.6	(16.4 - 20.9)	13.5	(11.6 - 15.4)	9.8	(8.0 - 11.5)
Age										
12-17	30.2	(22.6 - 37.7)	14.3	(9.5 - 19.1)	22.3	(15.4 - 29.3)	6.6	(3.6 - 9.5)	19.7	(13.2 - 26.1)
18-25	24.9	(20.6 - 29.3)	20.5	(16.5 - 24.5)	21.8	(17.1 - 26.4)	9.3	(6.2 - 12.4)	13.2	(9.2 - 17.1)
26-34	23.6	(19.7 - 27.5)	22.1	(18.4 - 25.8)	19.8	(16.2 - 23.4)	12.9	(9.8 - 16.0)	11.7	(8.5 - 14.9)
35-44	25.5	(21.2 - 29.8)	24.6	(19.9 - 29.3)	15.9	(11.7 - 20.2)	14.2	(10.7 - 17.7)	9.6	(6.6 - 12.7)
45-54	29.5	(24.0 - 35.0)	27.2	(21.7 - 32.7)	17.1	(12.6 - 21.7)	14.6	(10.1 - 19.1)	6.3	(3.9 - 8.7)
55-64	26.5	(19.9 - 33.2)	20.6	(14.8 - 26.4)	17.0	(11.5 - 22.4)	18.1	(12.3 - 23.9)	7.4	(3.0 - 11.8)*
65+	37.5	(27.9 - 47.1)	24.3	(15.6 - 33.0)	16.7	(9.4 - 23.9)	12.0	(6.3 - 17.8)	4.4	(1.2 - 7.6)*
Race/Ethnicity										
Latino	25.6	(23.1 - 28.0)	23.8	(21.3 - 26.2)	19.0	(16.8 - 21.3)	11.3	(9.4 - 13.2)	11.6	(9.7 - 13.4)
White	27.0	(21.4 - 32.5)	25.2	(19.6 - 30.8)	18.4	(13.5 - 23.3)	14.9	(10.6 - 19.2)	4.2	(2.1 - 6.3)
Black	31.5	(25.8 - 37.2)	14.9	(11.1 - 18.7)	17.5	(12.2 - 22.8)	19.8	(15.0 - 24.6)	7.7	(5.0 - 10.5)
Asian	33.3	(25.2 - 41.3)	20.2	(14.0 - 26.4)	13.4	(8.5 - 18.4)	20.7	(14.2 - 27.1)	6.0	(2.1 - 10.0)*
NHOP†	37.3	(6.6 - 68.0)*	8.6	(0.0 - 19.7)**	3.4	(0.0 - 10.3)**	18.5	(0.0 - 46.9)**	32.2	(0.0 - 66.8)**
AI/AN†	50.7	(27.5 - 73.9)	19.9	(3.2 - 36.7)*	3.9	(0.0 - 11.4)**	7.8	(0.0 - 18.4)**	9.4	(0.0 - 22.1)**
Other†	40.3	(8.4 - 72.3)*	4.5	(0.0 - 13.5)**	14.0	(0.0 - 32.8)**	28.0	(0.0 - 59.6)**	8.6	(0.0 - 25.0)**
Multi	37.9	(24.7 - 51.1)	14.4	(5.3 - 23.5)*	11.0	(4.0 - 18.0)*	25.9	(14.7 - 37.2)	2.7	(0.0 - 6.8)**
Nativity										
US Born	25.0	(22.7 - 27.2)	22.5	(20.3 - 24.8)	19.1	(17.1 - 21.2)	13.5	(11.6 - 15.4)	10.3	(8.6 - 11.9)
Foreign Born	30.9	(26.5 - 35.3)	24.2	(20.1 - 28.3)	16.5	(12.5 - 20.4)	11.7	(8.6 - 14.8)	9.3	(6.5 - 12.0)
Sexual Orientation										
Heterosexual	26.6	(24.4 - 28.9)	23.4	(21.2 - 25.5)	18.8	(16.7 - 20.8)	13.2	(11.4 - 14.9)	9.4	(7.9 - 10.9)
LGBQ	23.4	(18.0 - 28.9)	21.1	(15.9 - 26.2)	18.1	(12.7 - 23.5)	12.6	(7.9 - 17.3)	13.1	(8.6 - 17.6)
Other	37.4	(26.5 - 48.2)	15.9	(8.7 - 23.1)	15.0	(8.8 - 21.2)	14.0	(5.8 - 22.1)	12.6	(4.8 - 20.5)*

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

Respondents selected only one of the options.

*Public Place" included indoor and outdoor public places such as "bars", "clubs", "restaurants", "parks", "mountains", "hiking trails", "beaches", and "around the neighborhood".

* The estimate is for planning or policy purposes (RSE is between 30% and 50%); Interpret with caution.

** The estimate is statistically unstable (RSE > 50%); Interpret with caution.

† The estimate is statistically unstable (sample size < 30); Interpret with caution.

Appendix G: Place of First Alcohol Use (Cont.)

First Place of Alcohol Use

Category	School		Other		Work		Online Happy Hour	
	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	5.9	(4.7 - 7.0)	1.6	(0.9 - 2.3)	1.2	(0.7 - 1.7)	0.2	(0.1 - 0.3)*
Age of Initiation								
Before 18	8.5	(6.6 - 10.5)	1.0	(0.3 - 1.7)*	1.5	(0.6 - 2.4)*	0.1	(0.0 - 0.1)**
18+	3.6	(2.3 - 4.9)	2.1	(0.9 - 3.3)	0.9	(0.2 - 1.5)*	0.2	(0.0 - 0.4)*
Sex								
Male	5.0	(3.3 - 6.7)	2.0	(0.7 - 3.4)*	1.8	(0.7 - 2.9)*	0.2	(0.0 - 0.4)**
Female	6.6	(5.1 - 8.1)	1.2	(0.6 - 1.8)	0.7	(0.3 - 1.1)	0.2	(0.0 - 0.3)*
Age								
12-17	4.4	(1.7 - 7.0)*	1.7	(0.2 - 3.2)*	n/a	(n/a - n/a)	0.9	(0.0 - 1.9)**
18-25	5.8	(3.1 - 8.5)	3.2	(0.0 - 6.5)**	1.0	(0.1 - 1.9)*	0.2	(0.0 - 0.7)**
26-34	7.9	(5.0 - 10.8)	1.1	(0.0 - 2.3)**	0.6	(0.1 - 1.2)*	0.2	(0.0 - 0.5)**
35-44	6.2	(3.9 - 8.5)	0.8	(0.1 - 1.5)*	3.0	(1.0 - 5.1)*	0.1	(0.0 - 0.4)**
45-54	3.7	(1.5 - 5.8)	1.4	(0.2 - 2.6)*	0.0	(0.0 - 0.1)**	0.1	(0.0 - 0.3)**
55-64	7.9	(3.2 - 12.6)*	1.7	(0.0 - 3.3)**	0.9	(0.0 - 1.9)**	0.0	--
65+	1.6	(0.1 - 3.2)*	1.7	(0.0 - 3.5)**	1.7	(0.0 - 4.3)**	0.0	--
Race/Ethnicity								
Latino	5.6	(4.2 - 7.0)	1.6	(0.7 - 2.5)	1.4	(0.7 - 2.1)	0.2	(0.1 - 0.4)*
White	7.7	(4.6 - 10.9)	1.8	(0.2 - 3.4)*	0.7	(0.0 - 1.7)**	0.0	(0.0 - 0.0)**
Black	6.2	(3.9 - 8.6)	1.6	(0.2 - 3.1)*	0.7	(0.0 - 1.6)**	0.0	--
Asian	5.0	(2.3 - 7.7)	0.9	(0.0 - 2.3)**	0.5	(0.0 - 1.4)**	0.0	--
NHOP [†]	0.0	--	0.0	--	0.0	--	0.0	--
AI/AN [†]	6.6	(0.0 - 19.2)**	1.7	(0.0 - 5.0)**	0.0	--	0.0	--
Other [†]	0.0	--	4.5	(0.0 - 13.5)**	0.0	--	0.0	--
Multi	6.9	(1.2 - 12.6)*	1.1	(0.0 - 2.7)**	0.0	--	0.0	--
Nativity								
US Born	6.7	(5.3 - 8.2)	1.7	(0.8 - 2.7)	1.0	(0.4 - 1.5)	0.2	(0.0 - 0.3)*
Foreign Born	4.2	(2.4 - 6.1)	1.2	(0.4 - 2.1)*	1.8	(0.5 - 3.1)*	0.2	(0.0 - 0.4)**
Sexual Orientation								
Heterosexual	5.8	(4.5 - 7.1)	1.5	(0.7 - 2.3)	1.2	(0.6 - 1.8)	0.2	(0.0 - 0.3)*
LGBQ	7.6	(4.5 - 10.8)	2.3	(0.0 - 4.6)**	1.5	(0.0 - 3.1)**	0.2	(0.0 - 0.5)**
Other	3.5	(0.5 - 6.5)*	1.4	(0.0 - 3.2)**	0.2	(0.0 - 0.7)**	0.0	--

Notes: Only those who have used alcohol at least once in their lifetimes were asked this question. Respondents selected only one of the options.

Only adult surveys included the option of "work".

"Other responses" included "military", "Las Vegas", etc.

* The estimate is for planning or policy purposes (RSE is between 30% and 50%); Interpret with caution.

** The estimate is statistically unstable (RSE > 50%); Interpret with caution.

† The estimate is statistically unstable (sample size < 30); Interpret with caution.

Appendix H: Alcohol Use Among Close Friends

Do Any of Your Close Friends Use Alcohol? (%Yes)

Category	Overall		PWUA		Non-PWUA	
	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	64.8	(63.2 - 66.4)	81.4	(79.7 - 83.1)	26.7	(24.1 - 29.3)
Sex						
Male	67.7	(65.1 - 70.3)	84.8	(82.2 - 87.3)	21.8	(17.9 - 25.7)
Female	62.6	(60.5 - 64.7)	78.6	(76.4 - 80.9)	29.7	(26.3 - 33.1)
Age						
12-17	27.1	(24.2 - 30.1)	65.2	(59.0 - 71.5)	15.4	(12.6 - 18.2)
18-25	68.6	(64.7 - 72.6)	82.6	(78.6 - 86.7)	35.5	(28.6 - 42.4)
26-34	79.6	(76.3 - 82.8)	86.8	(83.8 - 89.9)	36.5	(26.9 - 46.0)
35-44	71.2	(67.5 - 74.8)	82.9	(79.6 - 86.3)	27.3	(20.2 - 34.4)
45-54	68.4	(63.9 - 73.0)	79.5	(74.9 - 84.1)	34.7	(25.9 - 43.6)
55-64	68.4	(63.0 - 73.8)	82.5	(77.7 - 87.3)	34.0	(23.9 - 44.2)
65+	56.0	(48.7 - 63.3)	70.3	(62.0 - 78.6)	21.4	(10.8 - 32.0)
Race/Ethnicity						
Latino	63.0	(61.0 - 65.0)	80.8	(78.7 - 82.9)	25.8	(22.9 - 28.7)
White	76.1	(71.6 - 80.7)	85.3	(80.9 - 89.7)	26.4	(16.3 - 36.5)
Black	72.3	(68.3 - 76.3)	85.1	(81.3 - 88.8)	31.0	(23.0 - 39.1)
Asian	60.7	(55.3 - 66.0)	76.0	(70.2 - 81.8)	32.9	(24.2 - 41.7)
NHOPI	69.9	(49.2 - 90.5)	81.7	(58.3 - 100.0)†	48.5	(11.9 - 85.0)†*
AI/AN	62.1	(43.2 - 81.1)	79.2	(60.8 - 97.6)†	12.8	(0.0 - 36.5)†**
Other	30.5	(14.2 - 46.9)	78.8	(55.8 - 100.0)†	4.7	(0.0 - 9.9)**
Multi	62.5	(54.0 - 71.1)	88.3	(81.4 - 95.2)	21.7	(10.7 - 32.8)
Nativity						
US Born	68.0	(66.1 - 69.8)	84.7	(82.9 - 86.5)	24.7	(21.8 - 27.6)
Foreign Born	59.0	(55.6 - 62.3)	74.3	(70.6 - 78.0)	30.4	(25.4 - 35.4)
Sexual Orientation						
Heterosexual	66.5	(64.7 - 68.4)	81.9	(80.0 - 83.8)	26.7	(23.8 - 29.7)
LGBQ	68.9	(64.9 - 72.9)	87.7	(84.7 - 90.7)	24.8	(17.6 - 32.0)
Other	45.6	(39.3 - 51.9)	67.0	(58.5 - 75.5)	26.5	(18.6 - 34.4)

Area	Overall		PWUA		Non-PWUA	
	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	64.8	(63.2 - 66.4)	81.4	(79.7 - 83.1)	26.7	(24.1 - 29.3)
SPA 1	63.5	(58.1 - 69.0)	81.8	(76.8 - 86.7)	25.6	(17.2 - 33.9)
SPA 2	66.6	(62.9 - 70.3)	81.6	(77.8 - 85.5)	27.3	(21.4 - 33.3)
SPA 3	68.2	(64.0 - 72.3)	82.7	(78.7 - 86.7)	33.2	(25.6 - 40.7)
SPA 4	63.1	(57.9 - 68.2)	83.8	(79.2 - 88.4)	22.1	(14.7 - 29.5)
SPA 5	77.4	(69.2 - 85.6)	87.9	(78.9 - 96.9)	16.9	(5.9 - 28.0)*
SPA 6	58.1	(54.3 - 61.9)	77.0	(72.9 - 81.1)	22.6	(17.9 - 27.3)
SPA 7	66.3	(61.9 - 70.7)	80.4	(75.5 - 85.2)	31.2	(23.6 - 38.9)
SPA 8	65.5	(61.1 - 70.0)	83.5	(78.9 - 88.1)	24.6	(18.3 - 30.8)
SD 1	65.0	(61.2 - 68.8)	82.0	(78.3 - 85.7)	26.4	(20.6 - 32.2)
SD 2	60.3	(57.2 - 63.3)	78.8	(75.6 - 82.0)	23.3	(19.1 - 27.6)
SD 3	68.2	(64.3 - 72.1)	82.8	(78.9 - 86.7)	25.5	(19.3 - 31.7)
SD 4	65.3	(61.6 - 69.0)	81.1	(77.0 - 85.1)	30.3	(24.2 - 36.4)
SD 5	68.5	(64.8 - 72.1)	84.0	(80.7 - 87.3)	29.3	(22.8 - 35.7)

Notes: PWUA included those who had ever used alcohol.

Non-PWUA included those who had never used alcohol.

* The estimate is for planning or policy purposes (RSE is between 30% and 50%); Interpret with caution.

** The estimate is statistically unstable (RSE > 50%); Interpret with caution.

† The estimate is statistically unstable (sample size < 30); Interpret with caution.

Appendix I: Alcohol Binging Among Close Friends

Do Any of Your Close Friends Binge Alcohol? (%Yes)

Category	Overall		PWBA		Non-PWBA	
	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	30.5	(28.9 - 32.2)	57.1	(54.0 - 60.3)	16.1	(14.4 - 17.7)
Sex						
Male	35.9	(33.0 - 38.7)	60.0	(55.4 - 64.7)	15.2	(12.3 - 18.0)
Female	26.5	(24.6 - 28.5)	53.4	(49.3 - 57.5)	16.6	(14.6 - 18.5)
Age						
12-17	10.4	(8.0 - 12.9)	49.0	(37.8 - 60.1)	7.6	(5.1 - 10.1)
18-25	31.1	(27.1 - 35.1)	56.8	(48.7 - 64.8)	19.9	(15.6 - 24.2)
26-34	39.6	(35.7 - 43.6)	62.0	(56.2 - 67.8)	18.6	(14.6 - 22.6)
35-44	40.2	(36.0 - 44.4)	64.4	(58.6 - 70.3)	19.4	(15.2 - 23.5)
45-54	33.9	(29.4 - 38.4)	60.5	(52.4 - 68.7)	18.3	(13.7 - 23.0)
55-64	24.0	(18.9 - 29.0)	40.0	(29.9 - 50.0)	15.7	(10.1 - 21.2)
65+	19.0	(13.1 - 24.9)	33.0	(19.9 - 46.0)	12.8	(6.7 - 18.9)
Race/Ethnicity						
Latino	32.0	(30.0 - 34.0)	59.3	(55.6 - 63.1)	16.7	(14.7 - 18.7)
White	29.3	(24.4 - 34.1)	48.7	(40.4 - 57.0)	14.9	(9.3 - 20.4)
Black	29.2	(24.9 - 33.5)	59.4	(50.4 - 68.4)	17.2	(13.1 - 21.2)
Asian	17.7	(13.7 - 21.7)	39.8	(29.1 - 50.5)	10.3	(6.7 - 13.8)
NHOPI	35.8	(11.3 - 60.4)*	76.7	(50.0 - 100.0)†	19.0	(0.0 - 50.4)†**
AI/AN	39.6	(19.6 - 59.6)†	57.1	(32.2 - 81.9)†	7.1	(0.0 - 20.9)†**
Other	5.2	(0.0 - 11.5)**	8.2	(0.0 - 23.9)†**	4.4	(0.0 - 11.1)**
Multi	25.8	(17.6 - 34.0)	49.0	(31.5 - 66.4)	15.7	(7.3 - 24.2)
Nativity						
US Born	30.5	(28.5 - 32.5)	59.1	(55.4 - 62.7)	15.0	(13.1 - 16.9)
Foreign Born	30.6	(27.4 - 33.8)	53.0	(46.9 - 59.1)	18.2	(15.0 - 21.4)
Sexual Orientation						
Heterosexual	29.7	(27.9 - 31.6)	54.7	(51.1 - 58.3)	16.0	(14.2 - 17.8)
LGBQ	40.0	(35.0 - 45.0)	71.0	(64.3 - 77.6)	16.5	(11.4 - 21.5)
Other	24.8	(19.0 - 30.7)	61.5	(49.4 - 73.6)	14.0	(8.6 - 19.4)

Area	Overall		PWBA		Non-PWBA	
	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	30.5	(28.9 - 32.2)	57.1	(54.0 - 60.3)	16.1	(14.4 - 17.7)
SPA 1	30.7	(25.4 - 36.1)	59.7	(49.5 - 70.0)	17.0	(11.4 - 22.5)
SPA 2	30.2	(26.5 - 33.9)	53.3	(46.5 - 60.1)	16.8	(13.0 - 20.6)
SPA 3	29.9	(25.8 - 34.0)	52.7	(45.2 - 60.1)	15.9	(11.6 - 20.2)
SPA 4	33.9	(28.4 - 39.3)	67.5	(59.2 - 75.8)	17.6	(12.2 - 22.9)
SPA 5	34.8	(24.9 - 44.8)	52.7	(35.1 - 70.4)	21.3	(9.4 - 33.2)
SPA 6	29.8	(26.2 - 33.5)	61.2	(54.0 - 68.4)	14.7	(11.6 - 17.8)
SPA 7	32.1	(27.3 - 37.0)	55.7	(46.9 - 64.6)	17.4	(12.6 - 22.3)
SPA 8	26.7	(22.7 - 30.8)	57.1	(47.9 - 66.2)	12.8	(9.3 - 16.4)
SD 1	32.9	(29.0 - 36.8)	60.7	(54.0 - 67.5)	16.1	(12.3 - 19.8)
SD 2	28.8	(25.9 - 31.7)	58.6	(52.4 - 64.7)	14.6	(12.1 - 17.2)
SD 3	31.7	(27.8 - 35.6)	53.2	(46.2 - 60.1)	18.4	(14.3 - 22.5)
SD 4	29.4	(25.6 - 33.3)	54.5	(46.9 - 62.1)	16.3	(12.5 - 20.1)
SD 5	30.7	(26.9 - 34.4)	58.7	(51.7 - 65.6)	15.7	(11.8 - 19.7)

Notes: PWBA included those who had ever binged alcohol.

Non-PWBA included those who had never binged alcohol.

* The estimate is for planning or policy purposes (RSE is between 30% and 50%); Interpret with caution.

** The estimate is statistically unstable (RSE > 50%); Interpret with caution.

† The estimate is statistically unstable (sample size < 30); Interpret with caution.

Appendix J: Alcohol Use Among Family Members

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

Category	Overall		PWUA		Non-PWUA		Area	Overall		PWUA		Non-PWUA	
	%	95% C.I.	%	95% C.I.	%	95% C.I.		%	95% C.I.	%	95% C.I.		
LAC	65.7	(64.1 - 67.4)	78.5	(76.7 - 80.3)	36.7	(34.0 - 39.3)	LAC	65.7	(64.1 - 67.4)	78.5	(76.7 - 80.3)	36.7	(34.0 - 39.3)
Sex													
Male	67.5	(64.9 - 70.2)	78.8	(76.0 - 81.7)	37.1	(32.7 - 41.5)	SPA 1	65.1	(59.6 - 70.6)	78.3	(72.5 - 84.1)	37.1	(27.6 - 46.7)
Female	64.4	(62.3 - 66.5)	78.2	(76.0 - 80.4)	36.3	(32.9 - 39.8)	SPA 2	67.8	(64.1 - 71.6)	80.0	(75.9 - 84.1)	36.4	(30.0 - 42.8)
Age							SPA 3	68.6	(64.5 - 72.8)	81.5	(77.5 - 85.5)	37.7	(30.3 - 45.0)
12-17	57.6	(54.5 - 60.7)	81.3	(76.5 - 86.1)	50.4	(46.7 - 54.1)	SPA 4	63.4	(58.2 - 68.5)	79.5	(74.9 - 84.2)	31.4	(23.7 - 39.2)
18-25	72.5	(68.9 - 76.2)	84.8	(81.5 - 88.1)	43.6	(36.4 - 50.9)	SPA 5	69.7	(60.5 - 79.0)	78.4	(67.9 - 89.0)	19.8	(5.6 - 34.0)*
26-34	75.8	(72.4 - 79.3)	83.8	(80.5 - 87.1)	28.9	(20.3 - 37.5)	SPA 6	62.9	(59.2 - 66.7)	78.5	(74.5 - 82.4)	34.2	(28.9 - 39.6)
35-44	65.0	(61.1 - 68.9)	76.3	(72.4 - 80.2)	23.0	(16.2 - 29.7)	SPA 7	67.1	(62.7 - 71.5)	75.6	(70.6 - 80.5)	46.0	(38.3 - 53.8)
45-54	60.2	(55.5 - 64.9)	71.2	(66.2 - 76.1)	26.3	(18.4 - 34.3)	SPA 8	63.1	(58.5 - 67.6)	76.5	(71.3 - 81.8)	32.8	(26.0 - 39.6)
55-64	63.6	(57.9 - 69.2)	79.1	(73.8 - 84.3)	27.0	(18.0 - 36.1)							
65+	57.7	(50.5 - 65.0)	70.7	(62.6 - 78.8)	26.5	(15.5 - 37.5)	SD 1	68.5	(64.9 - 72.1)	83.0	(79.7 - 86.3)	35.6	(29.6 - 41.6)
Race/Ethnicity							SD 2	62.7	(59.6 - 65.7)	76.8	(73.4 - 80.1)	35.1	(30.5 - 39.7)
Latino	63.0	(61.0 - 65.0)	78.4	(76.2 - 80.6)	37.3	(34.2 - 40.4)	SD 3	67.4	(63.5 - 71.4)	79.0	(74.7 - 83.3)	33.9	(27.0 - 40.8)
White	76.1	(71.6 - 80.7)	81.0	(76.1 - 85.9)	36.7	(25.9 - 47.6)	SD 4	63.6	(59.8 - 67.4)	74.6	(70.2 - 78.9)	39.4	(33.3 - 45.6)
Black	72.3	(68.3 - 76.3)	85.5	(81.8 - 89.2)	37.9	(29.8 - 45.9)	SD 5	69.6	(65.9 - 73.3)	81.2	(77.4 - 84.9)	40.1	(33.3 - 46.9)
Asian	60.7	(55.3 - 66.0)	65.5	(58.8 - 72.2)	27.6	(20.3 - 34.9)							
NHOPI	69.9	(49.2 - 90.5)	81.7	(58.5 - 100.0)†	37.1	(2.5 - 71.7)†*							
AI/AN	62.1	(43.2 - 81.1)	83.4	(67.3 - 99.5)†	22.4	(.0 - 51.1)†**							
Other	30.5	(14.2 - 46.9)	76.6	(53.2 - 99.9)†	31.6	(10.9 - 52.2)*							
Multi	62.5	(54.0 - 71.1)	79.1	(70.5 - 87.8)	62.1	(49.2 - 74.9)							
Nativity													
US Born	71.9	(70.1 - 73.7)	83.1	(81.2 - 85.0)	42.8	(39.5 - 46.1)							
Foreign Born	53.9	(50.5 - 57.2)	68.2	(64.3 - 72.1)	27.4	(22.7 - 32.2)							
Sexual Orientation													
Heterosexual	66.9	(65.1 - 68.8)	79.0	(77.1 - 81.0)	35.6	(32.5 - 38.6)							
LGBQ	73.8	(69.9 - 77.7)	84.6	(80.3 - 88.9)	48.4	(40.8 - 56.0)							
Other	49.1	(42.9 - 55.4)	66.2	(57.9 - 74.5)	34.6	(26.3 - 42.9)							

Notes: PWUA included those who had ever used alcohol.

Non-PWUA included those who had never used alcohol.

* The estimate is for planning or policy purposes (RSE is between 30% and 50%); Interpret with caution.

** The estimate is statistically unstable (RSE > 50%); Interpret with caution.

† The estimate is statistically unstable (sample size < 30); Interpret with caution.

Appendix K: Alcohol Binging Among Family Members

Do Any of Your Family Members Binge Alcohol? (%Yes)

Category	Overall		PWBA		Non-PWBA		Area	Overall		PWBA		Non-PWBA	
	%	95% C.I.	%	95% C.I.	%	95% C.I.		%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	28.8	(27.2 - 30.4)	49.0	(45.8 - 52.2)	17.9	(16.3 - 19.4)	LAC	28.8	(27.2 - 30.4)	49.0	(45.8 - 52.2)	17.9	(16.3 - 19.4)
Sex													
Male	30.1	(27.4 - 32.8)	47.7	(43.0 - 52.4)	15.1	(12.5 - 17.7)	SPA 1	30.6	(25.4 - 35.8)	57.5	(47.1 - 67.9)	17.8	(12.5 - 23.0)
Female	27.8	(25.9 - 29.8)	50.6	(46.5 - 54.7)	19.4	(17.4 - 21.4)	SPA 2	26.8	(23.4 - 30.2)	44.2	(37.5 - 50.8)	16.9	(13.5 - 20.3)
Age							SPA 3	26.5	(22.5 - 30.4)	43.1	(35.8 - 50.4)	16.2	(12.0 - 20.3)
12-17	18.5	(15.9 - 21.2)	58.6	(47.7 - 69.5)	15.5	(12.9 - 18.2)	SPA 4	27.1	(22.0 - 32.2)	50.5	(40.7 - 60.3)	15.8	(10.9 - 20.7)
18-25	32.7	(28.7 - 36.6)	50.6	(42.6 - 58.6)	24.7	(20.3 - 29.1)	SPA 5	22.9	(14.5 - 31.3)	34.9	(19.4 - 50.4)	13.7	(4.7 - 22.7)*
26-34	36.0	(32.1 - 39.9)	53.6	(47.7 - 59.5)	19.4	(15.5 - 23.4)	SPA 6	31.7	(28.0 - 35.5)	52.8	(45.3 - 60.3)	21.8	(17.9 - 25.6)
35-44	31.7	(27.8 - 35.7)	49.4	(42.8 - 56.0)	16.6	(12.7 - 20.6)	SPA 7	32.1	(27.5 - 36.7)	50.8	(41.8 - 59.7)	20.5	(16.0 - 24.9)
45-54	28.5	(24.1 - 32.8)	48.7	(40.6 - 56.9)	16.6	(12.3 - 20.9)	SPA 8	26.9	(22.6 - 31.1)	54.4	(45.4 - 63.3)	14.1	(10.5 - 17.6)
55-64	25.9	(20.5 - 31.4)	45.5	(34.8 - 56.1)	15.7	(10.6 - 20.9)							
65+	18.3	(12.8 - 23.9)	28.8	(16.4 - 41.2)	13.7	(8.0 - 19.4)	SD 1	29.6	(25.8 - 33.4)	49.9	(42.9 - 56.9)	17.3	(13.6 - 20.9)
Race/Ethnicity							SD 2	28.5	(25.5 - 31.4)	51.8	(45.7 - 57.9)	17.4	(14.6 - 20.1)
Latino	30.9	(28.9 - 32.9)	51.5	(47.7 - 55.3)	19.4	(17.5 - 21.4)	SD 3	27.1	(23.6 - 30.7)	43.6	(36.8 - 50.4)	17.0	(13.4 - 20.6)
White	23.6	(19.1 - 28.0)	41.0	(32.9 - 49.0)	10.7	(6.5 - 14.8)	SD 4	30.0	(26.3 - 33.7)	49.0	(41.3 - 56.6)	20.1	(16.4 - 23.8)
Black	31.6	(27.3 - 35.9)	56.5	(47.3 - 65.7)	21.6	(17.3 - 25.9)	SD 5	28.1	(24.5 - 31.7)	49.9	(43.0 - 56.9)	16.5	(12.9 - 20.1)
Asian	9.8	(6.9 - 12.8)	18.1	(11.1 - 25.0)	7.0	(3.9 - 10.2)							
NHOPi	30.1	(6.2 - 54.1)*	52.2	(14.7 - 89.7)†*	21.0	(.0 - 52.1)†**							
AI/AN	40.1	(21.3 - 59.0)	54.1	(28.6 - 79.6)†	13.7	(.0 - 32.7)†**							
Other	12.5	(2.3 - 22.7)*	16.8	(.0 - 40.0)†**	11.5	(.0 - 23.2)**							
Multi	24.6	(16.2 - 33.1)	53.7	(36.7 - 70.7)	12.0	(5.4 - 18.6)							
Nativity													
US Born	30.7	(28.7 - 32.6)	53.3	(49.5 - 57.0)	18.5	(16.6 - 20.3)							
Foreign Born	24.8	(21.9 - 27.7)	39.0	(33.2 - 44.9)	16.8	(13.8 - 19.9)							
Sexual Orientation													
Heterosexual	28.4	(26.6 - 30.2)	49.2	(45.6 - 52.8)	17.0	(15.2 - 18.7)							
LGBQ	36.8	(32.1 - 41.5)	51.3	(43.1 - 59.5)	25.9	(20.4 - 31.5)							
Other	23.0	(17.5 - 28.5)	41.5	(28.0 - 55.1)	17.5	(11.9 - 23.0)							

Notes: PWBA included those who had ever binged alcohol.

Non-PWBA included those who had never binged alcohol.

* The estimate is for planning or policy purposes (RSE is between 30% and 50%); Interpret with caution.

** The estimate is statistically unstable (RSE > 50%); Interpret with caution.

† The estimate is statistically unstable (sample size < 30); Interpret with caution.

Appendix L: Perceived Easy Access

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

Category	Overall		PWUA		Non-PWUA		Area	Overall		PWUA		Non-PWUA	
	%	95% C.I.	%	95% C.I.	%	95% C.I.		%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	75.6	(74.1 - 77.0)	81.2	(79.6 - 82.9)	62.5	(59.8 - 65.3)	LAC	75.6	(74.1 - 77.0)	81.2	(79.6 - 82.9)	62.5	(59.8 - 65.3)
Sex													
Male	75.3	(73.0 - 77.7)	82.9	(80.3 - 85.4)	54.7	(50.1 - 59.3)	SPA 1	71.3	(66.4 - 76.2)	75.4	(69.6 - 81.2)	62.5	(53.3 - 71.6)
Female	75.7	(73.9 - 77.6)	79.9	(77.7 - 82.0)	67.4	(64.0 - 70.8)	SPA 2	77.1	(73.7 - 80.5)	83.6	(79.9 - 87.3)	59.7	(52.8 - 66.6)
Age							SPA 3	72.9	(69.0 - 76.8)	78.2	(73.5 - 82.8)	59.9	(52.5 - 67.3)
12-17	59.8	(56.7 - 62.9)	78.7	(73.8 - 83.7)	54.0	(50.4 - 57.6)	SPA 4	78.8	(74.6 - 83.1)	82.4	(77.4 - 87.3)	71.7	(63.9 - 79.5)
18-25	76.9	(73.5 - 80.2)	80.4	(76.7 - 84.1)	68.3	(61.5 - 75.2)	SPA 5	69.6	(60.2 - 79.0)	72.7	(62.1 - 83.4)	52.0	(37.3 - 66.6)
26-34	81.5	(78.6 - 84.5)	84.7	(81.8 - 87.6)	62.4	(52.7 - 72.1)	SPA 6	79.3	(76.2 - 82.4)	88.1	(85.2 - 91.1)	63.5	(57.7 - 69.4)
35-44	77.6	(74.1 - 81.1)	80.4	(76.5 - 84.3)	67.1	(59.3 - 75.0)	SPA 7	77.8	(74.1 - 81.4)	81.9	(77.6 - 86.1)	67.4	(60.5 - 74.3)
45-54	77.3	(73.2 - 81.4)	81.9	(77.8 - 86.0)	64.7	(55.3 - 74.1)	SPA 8	68.4	(63.9 - 72.9)	74.8	(69.6 - 80.0)	53.4	(45.5 - 61.2)
55-64	75.9	(70.7 - 81.1)	79.8	(74.0 - 85.6)	65.7	(54.9 - 76.5)							
65+	75.3	(69.1 - 81.6)	76.5	(69.0 - 84.1)	72.0	(60.7 - 83.4)	SD1	76.6	(73.4 - 79.9)	81.9	(78.2 - 85.7)	64.4	(58.3 - 70.5)
Race/Ethnicity							SD 2	77.4	(74.8 - 80.0)	84.2	(81.3 - 87.2)	63.7	(58.8 - 68.6)
Latino	76.1	(74.4 - 77.8)	81.9	(80.0 - 83.9)	63.9	(60.7 - 67.1)	SD 3	76.8	(73.2 - 80.4)	82.6	(78.7 - 86.6)	59.2	(51.7 - 66.7)
White	74.8	(70.0 - 79.5)	78.3	(73.1 - 83.5)	55.6	(44.0 - 67.2)	SD 4	73.7	(70.3 - 77.1)	78.6	(74.7 - 82.5)	63.4	(57.4 - 69.4)
Black	78.4	(74.6 - 82.1)	83.5	(79.5 - 87.4)	61.3	(52.7 - 69.9)	SD 5	71.7	(68.2 - 75.2)	77.0	(73.0 - 81.1)	58.0	(51.2 - 64.8)
Asian	67.7	(62.3 - 73.1)	74.9	(68.3 - 81.5)	54.5	(45.6 - 63.5)							
NHOPi	91.9	(84.3 - 99.6)	95.1	(88.1 - 100.0)†	86.1	(69.0 - 100.0)†							
AI/AN	81.5	(67.3 - 95.7)	90.3	(77.3 - 100.0)†	56.0	(19.6 - 92.4)†*							
Other	42.4	(24.4 - 60.4)	74.7	(46.9 - 100.0)†	25.1	(4.1 - 46.1)*							
Multi	70.7	(62.1 - 79.3)	82.6	(72.2 - 92.9)	51.6	(38.2 - 65.1)							
Nativity													
US Born	75.2	(73.5 - 76.9)	81.8	(79.9 - 83.7)	57.9	(54.6 - 61.2)							
Foreign Born	76.6	(73.8 - 79.5)	79.6	(76.2 - 83.0)	71.5	(66.6 - 76.4)							
Sexual Orientation													
Heterosexual	76.5	(74.8 - 78.1)	81.3	(79.5 - 83.2)	63.6	(60.4 - 66.9)							
LGBQ	74.6	(70.6 - 78.6)	83.2	(78.9 - 87.5)	54.4	(46.7 - 62.0)							
Other	70.2	(65.0 - 75.5)	77.9	(70.6 - 85.2)	63.0	(55.4 - 70.6)							

Notes: PWUA included those who had ever used alcohol.

Non-PWUA included those who had never used alcohol.

* The estimate is for planning or policy purposes (RSE is between 30% and 50%); Interpret with caution.

† The estimate is statistically unstable (sample size < 30); Interpret with caution.

Appendix M: Use of Alcohol Delivery Services

Have You Ever, Even Once, Used Home Delivery Services (e.g. Uber Eats, Instacart) to Buy Alcohol? (%Yes)

Category	%Yes	95% C.I.	Area	%Yes	95% C.I.
LAC	8.6	(7.6 - 9.5)	LAC	8.6	(7.6 - 9.5)
Sex					
Male	9.2	(7.6 - 10.9)	SPA 1	11.1	(7.7 - 14.5)
Female	8.1	(6.9 - 9.2)	SPA 2	10.2	(7.8 - 12.7)
Age			SPA 3	8.3	(6.1 - 10.6)
12-17	2.9	(1.9 - 3.9)	SPA 4	8.6	(5.2 - 12.1)
18-25	11.8	(9.0 - 14.5)	SPA 5	10.7	(4.7 - 16.6)
26-34	15.8	(13.1 - 18.6)	SPA 6	9.4	(7.0 - 11.8)
35-44	9.9	(7.4 - 12.4)	SPA 7	6.9	(4.7 - 9.2)
45-54	5.5	(3.7 - 7.3)	SPA 8	6.7	(4.7 - 8.7)
55-64	3.8	(1.9 - 5.7)			
65+	3.4	(0.2 - 6.5)*	SD 1	8.3	(5.9 - 10.7)
Race/Ethnicity			SD 2	8.8	(7.1 - 10.6)
Latino	8.2	(7.1 - 9.4)	SD 3	9.9	(7.3 - 12.5)
White	12.8	(9.3 - 16.2)	SD 4	6.3	(4.5 - 8.0)
Black	10.6	(7.7 - 13.6)	SD 5	10.8	(8.6 - 13.1)
Asian	3.7	(2.0 - 5.3)			
NHOPI	13.8	(0.2 - 27.3)**			
AI/AN	20.0	(5.1 - 34.8)*			
Other	4.7	(0.0 - 11.6)**			
Multi	10.8	(5.5 - 16.0)			
Nativity					
US Born	10.3	(9.1 - 11.6)			
Foreign Born	5.3	(3.8 - 6.7)			
Sexual Orientation					
Heterosexual	8.4	(7.3 - 9.4)			
LGBQ	12.8	(9.7 - 15.9)			
Other	5.5	(2.3 - 8.8)*			

Notes: * The estimate is for planning or policy purposes (RSE is between 30% and 50%); Interpret with caution.

** The estimate is statistically unstable (RSE > 50%); Interpret with caution.

Appendix N: Alcohol Delivery ID Verification

When You Used These Delivery Services to Buy Alcohol, How Often Did the Driver Check an ID to Verify Your Age (21+ Years Old)? (%Always/Most of the Time)

Category	%Yes	95% C.I.	Area	%Yes	95% C.I.
LAC	69.6	(64.3 - 74.9)	LAC	69.6	(64.3 - 74.9)
Sex					
Male	68.3	(60.1 - 76.5)	SPA 1	46.8	(30.6 - 62.9)
Female	70.6	(63.8 - 77.5)	SPA 2	72.2	(61.8 - 82.5)
Age			SPA 3	79.8	(68.5 - 91.2)
12-17	27.9	(13.3 - 42.5)	SPA 4	76.4	(61.2 - 91.6)
18-25	66.2	(53.8 - 78.5)	SPA 5	72.6	(44.5 - 100.0)†
26-34	78.1	(70.5 - 85.7)	SPA 6	52.1	(37.9 - 66.3)
35-44	73.6	(62.5 - 84.7)	SPA 7	76.3	(63.2 - 89.5)
45-54	54.6	(38.0 - 71.2)	SPA 8	79.0	(67.7 - 90.2)
55-64	69.4	(42.2 - 96.7)†			
65+	75.9	(41.5 - 100.0)†	SD 1	79.3	(68.0 - 90.6)
Race/Ethnicity			SD 2	63.8	(53.1 - 74.4)
Latino	66.9	(60.2 - 73.5)	SD 3	72.4	(61.2 - 83.6)
White	81.7	(71.1 - 92.2)	SD 4	70.5	(56.4 - 84.6)
Black	70.6	(56.3 - 84.9)	SD 5	64.0	(53.3 - 74.6)
Asian	76.0	(56.9 - 95.1)			
NHOPi	65.3	(20.5 - 100.0)†*			
AI/AN	71.1	(35.9 - 100.0)†			
Other	0.0	--			
Multi	49.5	(23.6 - 75.3)†			
Nativity					
US Born	69.8	(63.9 - 75.6)			
Foreign Born	72.4	(59.9 - 84.9)			
Sexual Orientation					
Heterosexual	67.2	(60.9 - 73.5)			
LGBQ	79.1	(70.3 - 88.0)			
Other	74.1	(53.1 - 95.1)			

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

* The estimate is for planning or policy purposes (RSE is between 30% and 50%); Interpret with caution.

† The estimate is statistically unstable (sample size < 30); Interpret with caution.

Appendix O: Alcohol Delivery Sources

Where Were These Services Delivering Alcohol From?

Category	Liquor Store		Grocery Store		Restaurant		Subscription Service		Other	
	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	58.3	(52.6 - 64.0)	49.6	(43.7 - 55.4)	25.3	(20.0 - 30.5)	7.7	(4.1 - 11.4)	6.5	(3.0 - 10.0)
Sex										
Male	64.1	(55.3 - 72.9)	43.3	(33.9 - 52.7)	23.6	(15.6 - 31.5)	8.3	(3.5 - 13.0)	3.6	(0.3 - 6.8)*
Female	53.3	(46.1 - 60.6)	55.0	(47.8 - 62.1)	26.7	(19.8 - 33.7)	7.3	(1.9 - 12.7)*	9.0	(3.4 - 14.7)*
Age										
12-17	60.1	(42.0 - 78.3)	28.5	(14.6 - 42.4)	29.6	(11.2 - 48.0)*	6.7	(0.0 - 15.0)**	6.9	(0.0 - 15.5)**
18-25	64.9	(52.9 - 77.0)	57.0	(45.0 - 69.1)	25.4	(14.3 - 36.6)	8.4	(1.7 - 15.2)*	3.6	(0.6 - 6.6)*
26-34	67.0	(58.4 - 75.5)	49.3	(39.8 - 58.7)	23.7	(15.7 - 31.7)	4.2	(0.8 - 7.7)*	2.0	(0.0 - 4.3)**
35-44	52.8	(39.1 - 66.5)	46.9	(33.0 - 60.8)	27.8	(15.3 - 40.4)	7.6	(0.3 - 14.9)*	6.2	(1.7 - 10.7)*
45-54	29.7	(14.9 - 44.4)	51.8	(35.1 - 68.5)	25.0	(11.6 - 38.5)	6.6	(0.0 - 15.1)**	6.6	(0.0 - 18.9)**
55-64 [†]	34.1	(12.2 - 56.0)*	41.2	(16.8 - 65.5)*	5.5	(0.0 - 13.2)**	12.4	(0.0 - 31.0)**	23.1	(0.0 - 49.3)**
65+ [†]	79.7	(50.3 - 100.0)	53.0	(6.5 - 99.6)*	48.8	(0.3 - 97.3)**	40.7	(0.0 - 92.8)**	52.8	(6.2 - 99.5)*
Race/Ethnicity										
Latino	62.7	(55.9 - 69.4)	46.8	(39.6 - 54.0)	27.0	(20.4 - 33.6)	9.1	(4.4 - 13.7)	6.9	(2.5 - 11.4)*
White	42.7	(28.6 - 56.8)	61.3	(47.8 - 74.9)	20.8	(10.1 - 31.5)	6.6	(0.0 - 14.7)**	0.1	(0.0 - 0.3)**
Black	50.5	(35.6 - 65.5)	52.9	(37.9 - 68.0)	20.8	(7.8 - 33.9)*	0.7	(0.0 - 1.6)**	13.9	(3.6 - 24.3)*
Asian	54.7	(31.9 - 77.4)	48.1	(25.1 - 71.2)	15.5	(0.0 - 32.6)**	1.7	(0.0 - 4.3)**	3.6	(0.0 - 10.5)**
NHOP [†]	22.7	(0.0 - 62.7)**	34.7	(0.0 - 79.4)**	65.3	(20.6 - 100.0)*	0.0	--	0.0	--
AI/AN [†]	53.6	(13.3 - 93.9)*	83.5	(58.7 - 100.0)	0.0	--	32.0	(0.0 - 69.6)**	0.0	--
Other [†]	32.4	(0.0 - 93.2)**	67.6	(6.8 - 100.0)*	0.0	--	0.0	--	0.0	--
Multi [†]	42.1	(16.1 - 68.0)*	59.4	(33.5 - 85.3)	34.9	(8.7 - 61.2)*	13.8	(0.0 - 31.9)**	0.0	--
Nativity										
US Born	58.0	(51.7 - 64.3)	52.0	(45.6 - 58.4)	27.1	(21.2 - 32.9)	7.1	(3.9 - 10.4)	4.2	(1.8 - 6.6)
Foreign Born	59.2	(45.7 - 72.6)	41.2	(27.0 - 55.5)	18.8	(6.0 - 31.7)*	7.4	(0.0 - 19.6)**	16.0	(2.4 - 29.6)*
Sexual Orientation										
Heterosexual	56.0	(49.5 - 62.6)	48.9	(42.3 - 55.6)	22.6	(17.0 - 28.3)	7.0	(3.5 - 10.4)	5.9	(2.7 - 9.0)
LGBQ	67.5	(55.8 - 79.1)	48.8	(35.6 - 62.0)	30.0	(18.3 - 41.7)	5.5	(1.7 - 9.2)*	2.1	(0.1 - 4.1)*
Other	62.6	(36.0 - 89.2)	62.5	(36.3 - 88.8)	50.7	(19.1 - 82.2)*	28.7	(0.0 - 67.6)**	32.4	(0.0 - 70.0)**

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

*“Other” responses included “taxi”, “app”, “company that specialized in specialty alcohol drinks”, etc.

* The estimate is for planning or policy purposes (RSE is between 30% and 50%); Interpret with caution.

† The estimate is statistically unstable (sample size < 30); Interpret with caution.

Appendix P: Perceived Risk of Youth Harm – Using Alcohol

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

Category	Overall		PWUA		Non-PWUA		Area	Overall		PWUA		Non-PWUA	
	%	95% C.I.	%	95% C.I.	%	95% C.I.		%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	53.5	(51.7 - 55.2)	53.2	(51.0 - 55.4)	53.8	(51.0 - 56.7)	LAC	53.5	(51.7 - 55.2)	53.2	(51.0 - 55.4)	53.8	(51.0 - 51.0)
Sex													
Male	47.0	(44.1 - 49.9)	47.2	(43.6 - 50.8)	46.5	(41.8 - 51.1)	SPA 1	49.4	(43.6 - 55.2)	52.9	(45.9 - 60.0)	41.9	(32.1 - 32.1)
Female	58.3	(56.2 - 60.4)	58.1	(55.4 - 60.7)	58.4	(54.8 - 62.0)	SPA 2	53.8	(49.9 - 57.8)	52.9	(48.0 - 57.7)	56.3	(49.6 - 49.6)
Age							SPA 3	55.0	(50.5 - 59.5)	52.1	(46.5 - 57.7)	62.2	(55.0 - 55.0)
12-17	34.6	(31.5 - 37.7)	23.1	(17.7 - 28.6)	38.1	(34.5 - 41.7)	SPA 4	49.1	(43.6 - 54.6)	50.7	(43.7 - 57.7)	45.9	(37.0 - 37.0)
18-25	40.3	(36.2 - 44.5)	39.3	(34.3 - 44.4)	42.7	(35.4 - 50.0)	SPA 5	45.3	(35.2 - 55.5)	45.7	(34.0 - 57.3)	43.3	(29.3 - 29.3)
26-34	48.3	(44.3 - 52.4)	47.1	(42.8 - 51.5)	55.5	(45.5 - 65.5)	SPA 6	57.2	(53.3 - 61.1)	60.6	(55.6 - 65.5)	50.0	(44.0 - 44.0)
35-44	61.8	(57.6 - 65.9)	58.6	(53.8 - 63.4)	73.4	(65.9 - 80.9)	SPA 7	48.7	(43.9 - 53.6)	46.0	(40.0 - 52.0)	55.1	(47.5 - 47.5)
45-54	65.7	(61.3 - 70.2)	66.2	(61.1 - 71.3)	63.2	(53.8 - 72.6)	SPA 8	59.8	(55.3 - 64.3)	59.8	(54.2 - 65.3)	59.7	(51.9 - 51.9)
55-64	61.2	(55.3 - 67.1)	58.1	(51.0 - 65.1)	68.7	(57.8 - 79.5)							
65+	67.2	(60.2 - 74.2)	64.9	(56.1 - 73.7)	72.3	(61.6 - 83.0)	SD 1	51.1	(47.0 - 55.1)	49.5	(44.4 - 54.5)	54.7	(48.2 - 48.2)
Race/Ethnicity							SD 2	56.1	(53.0 - 59.2)	58.1	(54.2 - 62.1)	51.9	(46.9 - 46.9)
Latino	53.5	(51.4 - 55.6)	52.9	(50.2 - 55.6)	54.5	(51.2 - 57.8)	SD 3	54.2	(50.1 - 58.4)	52.8	(47.8 - 57.7)	58.5	(51.3 - 51.3)
White	50.2	(44.7 - 55.6)	50.8	(44.8 - 56.9)	46.6	(35.0 - 58.3)	SD 4	54.2	(50.2 - 58.3)	52.7	(47.7 - 57.8)	56.8	(50.5 - 50.5)
Black	54.9	(50.3 - 59.5)	58.9	(53.5 - 64.3)	41.6	(33.1 - 50.2)	SD 5	49.5	(45.5 - 53.6)	51.5	(46.6 - 56.5)	44.3	(37.4 - 37.4)
Asian	56.7	(51.1 - 62.2)	53.8	(46.7 - 61.0)	61.8	(53.4 - 70.3)							
NHOPi	39.9	(15.8 - 64.0)*	52.0	(21.4 - 82.6)†*	18.0	(0.0 - 40.1)†**							
AI/AN	41.4	(22.4 - 60.3)	46.8	(23.8 - 69.8)†	25.6	(0.0 - 56.9)†**							
Other	28.6	(12.7 - 44.5)	31.7	(3.6 - 59.8)†*	27.1	(7.7 - 46.4)*							
Multi	45.0	(35.8 - 54.1)	48.4	(36.1 - 60.7)	39.4	(26.3 - 52.5)							
Nativity													
US Born	47.4	(45.4 - 49.5)	48.6	(46.0 - 51.1)	44.4	(41.1 - 47.8)							
Foreign Born	66.1	(62.9 - 69.3)	64.4	(60.4 - 68.5)	68.6	(63.5 - 73.7)							
Sexual Orientation													
Heterosexual	54.8	(52.9 - 56.8)	54.5	(52.0 - 56.9)	55.7	(52.4 - 59.0)							
LGBQ	41.2	(36.5 - 46.0)	41.3	(35.3 - 47.3)	41.0	(33.5 - 48.5)							
Other	53.3	(47.1 - 59.5)	55.4	(46.1 - 64.6)	51.0	(42.6 - 59.5)							

Notes: Regular use was defined as using alcohol at least once or twice a week.

PWUA indicates people who have ever used alcohol.

Non-PWUA indicates people who have never used alcohol.

* The estimate is for planning or policy purposes (RSE is between 30% and 50%); Interpret with caution.

** The estimate is statistically unstable (RSE > 50%); Interpret with caution.

† The estimate is statistically unstable (sample size < 30); Interpret with caution.

Appendix Q: Perceived Risk of Youth Harm – Binging Alcohol

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

Category	Overall		PWBA		Non-PWBA		Area	Overall		PWBA		Non-PWBA	
	%	95% C.I.	%	95% C.I.	%	95% C.I.		%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	66.9	(65.2 - 68.5)	68.4	(65.6 - 71.3)	65.9	(64.0 - 67.9)	LAC	66.9	(65.2 - 68.5)	68.4	(65.6 - 71.3)	65.9	(64.0 - 64.0)
Sex													
Male	63.1	(60.3 - 65.8)	68.0	(63.8 - 72.2)	59.1	(55.6 - 62.7)	SPA 1	64.3	(58.9 - 69.8)	64.5	(55.4 - 73.7)	64.2	(57.5 - 57.5)
Female	69.7	(67.7 - 71.7)	69.0	(65.2 - 72.7)	69.7	(67.3 - 72.1)	SPA 2	67.2	(63.4 - 71.0)	71.5	(65.6 - 77.4)	64.7	(59.9 - 59.9)
Age							SPA 3	69.6	(65.5 - 73.7)	71.9	(65.5 - 78.3)	68.2	(62.9 - 62.9)
12-17	50.1	(46.9 - 53.3)	34.1	(23.5 - 44.8)	51.3	(48.0 - 54.7)	SPA 4	61.9	(56.5 - 67.2)	60.8	(51.3 - 70.3)	62.9	(56.5 - 56.5)
18-25	58.2	(54.0 - 62.4)	55.8	(47.8 - 63.7)	59.3	(54.4 - 64.2)	SPA 5	73.2	(64.3 - 82.1)	72.1	(55.7 - 88.5)	74.1	(64.8 - 64.8)
26-34	65.2	(61.3 - 69.1)	64.6	(58.9 - 70.3)	65.8	(60.5 - 71.2)	SPA 6	66.5	(62.8 - 70.1)	71.9	(65.7 - 78.1)	63.3	(58.8 - 58.8)
35-44	73.1	(69.5 - 76.8)	73.9	(68.2 - 79.5)	72.5	(67.6 - 77.3)	SPA 7	65.6	(61.1 - 70.2)	62.3	(53.7 - 70.8)	67.4	(62.3 - 62.3)
45-54	73.3	(69.1 - 77.4)	75.8	(69.8 - 81.7)	71.2	(65.6 - 76.9)	SPA 8	69.5	(65.3 - 73.8)	71.4	(63.8 - 78.9)	68.8	(63.7 - 63.7)
55-64	74.2	(68.7 - 79.7)	74.4	(65.0 - 83.9)	74.6	(67.9 - 81.3)							
65+	77.5	(71.0 - 84.0)	74.3	(61.3 - 87.3)	79.2	(71.8 - 86.5)	SD 1	66.8	(63.1 - 70.5)	67.8	(61.6 - 73.9)	66.1	(61.5 - 61.5)
Race/Ethnicity							SD 2	66.2	(63.3 - 69.2)	69.5	(64.2 - 74.8)	64.9	(61.4 - 61.4)
Latino	66.0	(64.0 - 68.0)	67.9	(64.4 - 71.3)	64.8	(62.4 - 67.2)	SD 3	67.5	(63.5 - 71.5)	69.4	(63.1 - 75.7)	66.4	(61.2 - 61.2)
White	70.5	(65.5 - 75.4)	74.0	(66.9 - 81.2)	67.8	(61.0 - 74.6)	SD 4	67.2	(63.4 - 71.0)	65.4	(58.2 - 72.7)	67.6	(63.3 - 63.3)
Black	67.2	(62.9 - 71.5)	69.2	(60.8 - 77.6)	66.4	(61.3 - 71.4)	SD 5	66.8	(63.0 - 70.5)	72.2	(66.3 - 78.1)	63.9	(59.1 - 59.1)
Asian	72.1	(67.3 - 76.8)	63.6	(52.8 - 74.4)	75.0	(69.8 - 80.1)							
NHOPi	55.3	(31.8 - 78.9)	54.7	(15.7 - 93.7)†*	55.6	(26.6 - 84.6)†							
AI/AN	84.4	(72.3 - 96.5)†	92.3	(82.8 - 100.0)†	69.6	(42.2 - 97.1)†							
Other	41.6	(24.0 - 59.3)	30.6	(1.3 - 60.0)†*	45.5	(24.4 - 66.6)							
Multi	58.2	(49.1 - 67.3)	65.1	(48.2 - 82.0)	55.2	(44.4 - 65.9)							
Nativity													
US Born	63.8	(61.8 - 65.8)	66.7	(63.2 - 70.1)	62.3	(59.9 - 64.7)							
Foreign Born	73.6	(70.7 - 76.6)	72.2	(67.2 - 77.3)	74.3	(70.7 - 77.9)							
Sexual Orientation													
Heterosexual	68.1	(66.3 - 70.0)	69.1	(65.9 - 72.4)	67.5	(65.3 - 69.8)							
LGBQ	59.8	(55.1 - 64.5)	63.0	(55.5 - 70.5)	57.7	(51.9 - 63.6)							
Other	61.4	(55.4 - 67.5)	65.7	(53.4 - 78.0)	60.0	(53.0 - 67.0)							

Notes: Regular use was defined as bingeing alcohol at least once or twice a week.

PWBA indicates people who have ever bingeed alcohol.

Non-PWBA indicates people who have never bingeed alcohol.

* The estimate is for planning or policy purposes (RSE is between 30% and 50%); Interpret with caution.

** The estimate is statistically unstable (RSE > 50%); Interpret with caution.

† The estimate is statistically unstable (sample size < 30); Interpret with caution.

Appendix R: Perceived Risk of Adult Harm – Using Alcohol

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

Category	Overall		PWUA		Non-PWUA		Area	Overall		PWUA		Non-PWUA	
	%	95% C.I.	%	95% C.I.	%	95% C.I.		%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	42.4	(40.4 - 44.3)	37.8	(35.6 - 40.1)	57.3	(53.4 - 61.2)	LAC	42.4	(40.4 - 44.3)	37.8	(35.6 - 40.1)	57.3	(53.4 - 53.4)
Sex													
Male	35.2	(32.1 - 38.4)	32.8	(29.3 - 36.3)	46.8	(39.5 - 54.0)	SPA 1	39.7	(33.2 - 46.3)	35.6	(28.4 - 42.7)	53.1	(38.4 - 38.4)
Female	47.5	(45.0 - 49.9)	41.9	(39.1 - 44.7)	62.3	(57.7 - 66.8)	SPA 2	38.8	(34.3 - 43.2)	33.1	(28.2 - 38.0)	61.3	(52.0 - 52.0)
Age							SPA 3	37.9	(33.1 - 42.7)	32.1	(26.9 - 37.3)	58.2	(47.6 - 47.6)
12-17	n/a	(n/a - n/a)	n/a	(n/a - n/a)	n/a	(n/a - n/a)	SPA 4	49.7	(43.4 - 56.1)	45.4	(38.1 - 52.6)	62.9	(50.3 - 50.3)
18-25	34.5	(30.4 - 38.6)	30.8	(26.1 - 35.6)	43.9	(36.1 - 51.8)	SPA 5	23.1	(15.1 - 31.1)	19.4	(10.8 - 28.0)	53.7	(37.8 - 37.8)
26-34	36.2	(32.4 - 40.1)	33.3	(29.1 - 37.5)	53.9	(43.8 - 63.9)	SPA 6	47.9	(43.5 - 52.4)	43.1	(37.8 - 48.4)	58.8	(51.2 - 51.2)
35-44	44.9	(40.7 - 49.0)	40.2	(35.5 - 44.8)	62.3	(54.3 - 70.3)	SPA 7	42.7	(37.4 - 48.0)	38.9	(32.9 - 44.9)	55.8	(45.4 - 45.4)
45-54	50.6	(45.9 - 55.4)	46.6	(41.0 - 52.2)	62.4	(53.0 - 71.8)	SPA 8	43.6	(38.4 - 48.7)	42.4	(36.4 - 48.3)	48.4	(37.8 - 37.8)
55-64	43.8	(37.9 - 49.7)	37.9	(31.2 - 44.6)	58.8	(47.7 - 69.9)							
65+	47.0	(39.6 - 54.4)	38.6	(29.8 - 47.5)	66.0	(53.8 - 78.1)	SD 1	41.7	(37.2 - 46.2)	36.2	(31.2 - 41.2)	60.2	(51.0 - 51.0)
Race/Ethnicity							SD 2	47.7	(44.1 - 51.3)	43.8	(39.6 - 48.0)	58.8	(52.1 - 52.1)
Latino	46.0	(43.6 - 48.3)	41.2	(38.5 - 44.0)	60.2	(55.7 - 64.8)	SD 3	39.5	(34.9 - 44.0)	33.6	(28.6 - 38.5)	64.9	(55.6 - 55.6)
White	23.4	(18.6 - 28.2)	21.6	(16.6 - 26.6)	37.5	(22.0 - 53.1)	SD 4	43.8	(39.4 - 48.1)	40.7	(35.6 - 45.8)	52.0	(43.7 - 43.7)
Black	36.3	(31.4 - 41.2)	36.4	(31.0 - 41.9)	36.1	(24.6 - 47.6)	SD 5	33.1	(28.9 - 37.4)	29.5	(25.0 - 34.1)	48.7	(37.5 - 37.5)
Asian	39.1	(33.0 - 45.1)	31.3	(24.5 - 38.0)	56.7	(45.4 - 67.9)							
NHOPI	27.4	(7.2 - 47.7)†*	22.6	(3.1 - 42.1)†*	59.2	(13.0 - 100.0)†*							
AI/AN	37.9	(17.6 - 58.1)†	38.6	(16.2 - 61.0)†	34.3	(0.0 - 80.7)†**							
Other	26.0	(4.1 - 48.0)†*	28.6	(0.0 - 60.1)†**	23.0	(0.0 - 52.3)†**							
Multi	31.9	(20.6 - 43.2)	31.0	(18.8 - 43.2)	37.6	(8.1 - 67.2)†*							
Nativity													
US Born	36.3	(34.0 - 38.6)	34.0	(31.5 - 36.5)	48.4	(42.6 - 54.3)							
Foreign Born	52.6	(49.1 - 56.0)	46.2	(41.8 - 50.5)	64.6	(59.3 - 69.9)							
Sexual Orientation													
Heterosexual	41.3	(39.2 - 43.5)	36.9	(34.5 - 39.3)	57.6	(53.0 - 62.1)							
LGBQ	36.6	(30.9 - 42.3)	35.3	(28.9 - 41.8)	41.8	(30.0 - 53.6)							
Other	55.2	(48.1 - 62.3)	50.4	(40.7 - 60.1)	62.0	(51.9 - 72.2)							

Notes: Regular use was defined as using alcohol at least once or twice a week.

PWUA indicates people who have ever used alcohol.

Non-PWUA indicates people who have never used alcohol.

Only adult respondents (age 18+) answered this question.

* The estimate is for planning or policy purposes (RSE is between 30% and 50%); Interpret with caution.

** The estimate is statistically unstable (RSE > 50%); Interpret with caution.

† The estimate is statistically unstable (sample size < 30); Interpret with caution.

Appendix S: Perceived Risk of Adult Harm – Binging Alcohol

How Much Do You Think Adults Risk Harming Themselves If They Binge Alcohol Regularly? (% Great Risk)

Category	Overall		PWBA		Non-PWBA		Area	Overall		PWBA		Non-PWBA	
	%	95% C.I.	%	95% C.I.	%	95% C.I.		%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	63.5	(61.6 - 65.4)	59.7	(56.4 - 62.9)	66.0	(63.7 - 68.4)	LAC	63.5	(61.6 - 65.4)	59.7	(56.4 - 62.9)	66.0	(63.7 - 63.7)
Sex													
Male	57.9	(54.6 - 61.2)	56.1	(51.4 - 60.9)	60.4	(55.8 - 64.9)	SPA 1	60.9	(54.2 - 67.6)	55.4	(44.3 - 66.5)	63.9	(55.5 - 55.5)
Female	67.5	(65.2 - 69.7)	64.2	(60.1 - 68.2)	68.7	(66.0 - 71.4)	SPA 2	63.5	(59.3 - 67.8)	65.2	(58.9 - 71.4)	62.6	(56.9 - 56.9)
Age							SPA 3	64.1	(59.1 - 69.0)	56.9	(49.3 - 64.5)	69.5	(63.2 - 63.2)
12-17	n/a	(n/a - n/a)	n/a	(n/a - n/a)	n/a	(n/a - n/a)	SPA 4	66.3	(60.3 - 72.2)	61.9	(52.2 - 71.7)	69.7	(62.3 - 62.3)
18-25	53.6	(49.2 - 58.0)	45.3	(37.5 - 53.1)	57.6	(52.4 - 62.7)	SPA 5	66.2	(56.0 - 76.5)	66.9	(49.9 - 84.0)	65.6	(53.3 - 53.3)
26-34	61.1	(57.1 - 65.0)	60.0	(54.2 - 65.8)	62.0	(56.7 - 67.4)	SPA 6	63.8	(59.6 - 68.0)	59.3	(51.9 - 66.7)	65.8	(60.7 - 60.7)
35-44	64.5	(60.5 - 68.5)	57.5	(50.8 - 64.1)	70.4	(65.8 - 75.1)	SPA 7	60.4	(55.0 - 65.8)	52.6	(43.3 - 61.9)	65.7	(59.5 - 59.5)
45-54	70.6	(66.3 - 74.9)	68.8	(61.4 - 76.2)	70.9	(65.5 - 76.3)	SPA 8	65.2	(60.3 - 70.1)	65.2	(56.9 - 73.5)	65.8	(59.7 - 59.7)
55-64	66.2	(60.3 - 72.1)	66.1	(55.7 - 76.6)	67.3	(60.2 - 74.4)							
65+	67.2	(60.2 - 74.1)	61.8	(47.8 - 75.7)	69.8	(61.9 - 77.7)	SD 1	64.2	(59.7 - 68.7)	52.2	(45.1 - 59.3)	73.4	(68.2 - 68.2)
Race/Ethnicity							SD 2	63.8	(60.4 - 67.2)	61.7	(55.7 - 67.7)	65.5	(61.3 - 61.3)
Latino	64.3	(62.0 - 66.6)	60.2	(56.3 - 64.1)	67.1	(64.3 - 70.0)	SD 3	63.9	(59.5 - 68.2)	65.5	(59.1 - 72.0)	62.9	(57.0 - 57.0)
White	62.3	(56.6 - 68.0)	63.5	(55.4 - 71.7)	61.3	(53.3 - 69.2)	SD 4	63.3	(58.9 - 67.6)	59.6	(51.8 - 67.3)	64.9	(59.8 - 59.8)
Black	60.6	(55.6 - 65.5)	57.3	(48.2 - 66.4)	62.2	(56.3 - 68.1)	SD 5	61.5	(56.8 - 66.1)	61.2	(54.0 - 68.4)	61.6	(55.6 - 55.6)
Asian	60.5	(54.2 - 66.9)	44.9	(33.7 - 56.2)	66.5	(59.2 - 73.8)							
NHOPi	36.1	(12.2 - 60.0)†*	45.9	(9.9 - 82.0)†*	28.7	(0.0 - 57.9)†**							
AI/AN	67.0	(45.3 - 88.7)†	61.2	(34.8 - 87.7)†	82.3	(51.0 - 100.0)†							
Other	24.0	(3.9 - 44.1)†*	14.6	(0.0 - 35.0)†**	34.0	(1.3 - 66.7)†*							
Multi	58.3	(46.4 - 70.2)	64.3	(46.5 - 82.1)	53.9	(38.0 - 69.8)							
Nativity													
US Born	61.0	(58.6 - 63.4)	58.8	(55.0 - 62.6)	62.7	(59.6 - 65.7)							
Foreign Born	68.2	(64.9 - 71.4)	61.6	(55.5 - 67.6)	71.9	(68.2 - 75.6)							
Sexual Orientation													
Heterosexual	63.5	(61.4 - 65.7)	58.2	(54.6 - 61.9)	66.9	(64.3 - 69.5)							
LGBQ	59.8	(54.1 - 65.6)	61.3	(53.0 - 69.5)	58.7	(50.8 - 66.6)							
Other	65.4	(58.8 - 72.0)	70.6	(59.0 - 82.2)	63.8	(55.9 - 71.7)							

Notes: Regular use was defined as bingeing alcohol at least once or twice a week.

PWBA indicates people who have ever bingeed alcohol.

Non-PWBA indicates people who have never bingeed alcohol.

Only adult respondents (age 18+) answered this question.

* The estimate is for planning or policy purposes (RSE is between 30% and 50%); Interpret with caution.

** The estimate is statistically unstable (RSE > 50%); Interpret with caution.

† The estimate is statistically unstable (sample size < 30); Interpret with caution.

Appendix T: Perceived Peer Disapproval – Using Alcohol

How Would Your Close Friends Feel If You Used Alcohol? (%Strongly Disapprove/Disapprove)

Category	Overall		PWUA		Non-PWUA		Area	Overall		PWUA		Non-PWUA	
	%	95% C.I.	%	95% C.I.	%	95% C.I.		%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	47.1	(45.3 - 48.8)	34.0	(31.9 - 36.1)	77.2	(74.9 - 79.6)	LAC	47.1	(45.3 - 48.8)	34.0	(31.9 - 36.1)	77.2	(74.9 - 79.6)
Sex													
Male	44.5	(41.6 - 47.4)	32.3	(29.0 - 35.6)	77.5	(73.9 - 81.2)	SPA 1	45.5	(39.7 - 51.3)	30.0	(23.4 - 36.6)	78.4	(71.0 - 85.8)
Female	49.0	(46.8 - 51.2)	35.4	(32.8 - 38.0)	77.0	(74.0 - 80.0)	SPA 2	43.0	(39.0 - 46.9)	30.0	(25.3 - 34.6)	76.6	(71.2 - 82.1)
Age							SPA 3	45.1	(40.6 - 49.7)	30.4	(25.3 - 35.5)	80.8	(75.3 - 86.3)
12-17	69.7	(66.8 - 72.6)	34.5	(28.5 - 40.6)	80.5	(78.0 - 83.0)	SPA 4	54.5	(49.0 - 60.1)	38.1	(31.4 - 44.9)	87.9	(82.3 - 93.4)
18-25	34.0	(30.1 - 38.0)	21.2	(17.3 - 25.1)	64.6	(57.9 - 71.4)	SPA 5	24.2	(17.1 - 31.3)	17.6	(10.2 - 25.0)	62.5	(47.2 - 77.9)
26-34	30.6	(26.9 - 34.3)	23.4	(19.6 - 27.2)	73.3	(64.4 - 82.3)	SPA 6	54.1	(50.2 - 58.0)	43.7	(38.6 - 48.8)	73.3	(67.8 - 78.8)
35-44	45.7	(41.5 - 49.8)	36.9	(32.3 - 41.6)	78.1	(71.7 - 84.6)	SPA 7	45.3	(40.5 - 50.0)	32.4	(26.9 - 37.8)	77.5	(71.1 - 83.8)
45-54	51.7	(46.9 - 56.5)	41.9	(36.4 - 47.4)	82.9	(76.3 - 89.6)	SPA 8	46.6	(42.0 - 51.2)	35.6	(29.9 - 41.3)	71.5	(64.6 - 78.4)
55-64	52.5	(46.6 - 58.4)	43.1	(36.2 - 50.0)	75.2	(65.1 - 85.2)							
65+	62.0	(54.7 - 69.3)	52.4	(43.3 - 61.4)	84.7	(74.2 - 95.2)	SD 1	47.9	(43.8 - 51.9)	33.2	(28.5 - 37.9)	81.5	(76.5 - 86.6)
Race/Ethnicity							SD 2	54.0	(50.8 - 57.1)	42.8	(38.8 - 46.9)	76.0	(71.6 - 80.5)
Latino	50.6	(48.5 - 52.7)	37.2	(34.6 - 39.8)	78.7	(76.1 - 81.4)	SD 3	41.2	(37.1 - 45.4)	28.9	(24.2 - 33.6)	77.1	(71.4 - 82.9)
White	28.7	(24.0 - 33.3)	21.6	(16.8 - 26.3)	66.9	(55.7 - 78.1)	SD 4	46.3	(42.3 - 50.3)	33.3	(28.5 - 38.0)	75.3	(70.1 - 80.4)
Black	38.3	(33.8 - 42.7)	30.2	(25.1 - 35.2)	64.8	(56.2 - 73.5)	SD 5	40.6	(36.6 - 44.5)	26.5	(22.2 - 30.9)	76.2	(70.3 - 82.1)
Asian	43.8	(38.3 - 49.3)	25.3	(19.5 - 31.0)	77.5	(69.8 - 85.2)							
NHOPI	49.4	(25.6 - 73.3)†	41.7	(9.8 - 73.7)†*	63.4	(27.3 - 99.5)†							
AI/AN	40.6	(21.0 - 60.2)	39.7	(16.9 - 62.4)†	43.2	(5.3 - 81.1)†*							
Other	59.5	(41.8 - 77.3)	23.4	(0.1 - 46.8)†**	78.8	(61.0 - 96.6)							
Multi	44.2	(35.2 - 53.2)	23.5	(13.7 - 33.2)	78.1	(67.6 - 88.7)							
Nativity													
US Born	39.4	(37.4 - 41.4)	26.4	(24.2 - 28.7)	73.0	(70.0 - 75.9)							
Foreign Born	61.8	(58.4 - 65.1)	49.4	(45.1 - 53.7)	84.8	(81.0 - 88.7)							
Sexual Orientation													
Heterosexual	45.8	(43.8 - 47.7)	33.5	(31.1 - 35.8)	77.7	(75.1 - 80.4)							
LGBQ	41.9	(37.2 - 46.6)	28.9	(23.5 - 34.4)	73.1	(66.7 - 79.5)							
Other	61.4	(55.2 - 67.5)	44.8	(35.5 - 54.0)	75.7	(67.9 - 83.4)							

Notes: PWUA included those who had ever used alcohol.

Non-PWUA included those who had never used alcohol.

* The estimate is for planning or policy purposes (RSE is between 30% and 50%); Interpret with caution.

** The estimate is statistically unstable (RSE > 50%); Interpret with caution.

† The estimate is statistically unstable (sample size < 30); Interpret with caution.

Appendix U: Perceived Peer Disapproval – Binging Alcohol

How Would Your Close Friends Feel If You Binged Alcohol? (%Strongly Disapprove/Disapprove)

Category	Overall		PWBA		Non-PWBA		Area	Overall		PWBA		Non-PWBA	
	%	95% C.I.	%	95% C.I.	%	95% C.I.		%	95% C.I.	%	95% C.I.	%	95% C.I.
LAC	76.0	(74.5 - 77.5)	63.6	(60.5 - 66.6)	82.8	(81.2 - 84.4)	LAC	76.0	(74.5 - 77.5)	63.6	(60.5 - 66.6)	82.8	(81.2 - 84.4)
Sex													
Male	70.1	(67.4 - 72.8)	58.5	(53.9 - 63.1)	80.3	(77.4 - 83.2)	SPA 1	71.1	(65.7 - 76.5)	47.9	(37.7 - 58.1)	82.1	(77.0 - 87.3)
Female	80.4	(78.7 - 82.1)	69.9	(66.3 - 73.5)	84.2	(82.3 - 86.0)	SPA 2	75.2	(72.0 - 78.5)	63.3	(57.0 - 69.6)	82.1	(78.5 - 85.7)
Age							SPA 3	77.3	(73.5 - 81.2)	65.5	(58.4 - 72.6)	84.7	(80.5 - 88.8)
12-17	81.3	(78.8 - 83.8)	41.9	(31.2 - 52.6)	84.3	(81.8 - 86.7)	SPA 4	76.6	(71.7 - 81.4)	56.7	(46.8 - 66.6)	87.1	(82.8 - 91.4)
18-25	69.7	(65.7 - 73.7)	52.9	(44.9 - 60.8)	77.0	(72.8 - 81.3)	SPA 5	80.7	(72.1 - 89.4)	72.4	(55.4 - 89.4)	87.1	(80.5 - 93.7)
26-34	68.3	(64.5 - 72.1)	58.5	(52.6 - 64.4)	77.5	(72.8 - 82.3)	SPA 6	74.9	(71.5 - 78.2)	63.8	(56.7 - 70.9)	80.0	(76.4 - 83.5)
35-44	73.8	(70.0 - 77.5)	63.2	(56.7 - 69.7)	82.9	(79.0 - 86.7)	SPA 7	74.9	(70.5 - 79.4)	66.0	(57.4 - 74.6)	80.2	(75.3 - 85.1)
45-54	79.4	(75.6 - 83.2)	66.7	(58.9 - 74.4)	86.4	(82.7 - 90.2)	SPA 8	79.6	(76.0 - 83.2)	67.2	(59.1 - 75.3)	85.4	(81.9 - 89.0)
55-64	82.6	(78.2 - 87.0)	80.0	(72.6 - 87.4)	84.7	(79.3 - 90.1)							
65+	88.0	(82.8 - 93.1)	80.7	(69.6 - 91.9)	91.1	(85.6 - 96.6)	SD 1	74.8	(71.1 - 78.6)	59.6	(52.6 - 66.6)	84.1	(80.5 - 87.8)
Race/Ethnicity							SD 2	76.8	(74.2 - 79.5)	65.1	(59.3 - 70.8)	82.7	(80.1 - 85.4)
Latino	75.8	(73.9 - 77.6)	62.6	(59.0 - 66.3)	83.1	(81.2 - 85.0)	SD 3	75.5	(72.0 - 78.9)	64.9	(58.4 - 71.3)	82.0	(78.3 - 85.7)
White	79.8	(75.4 - 84.3)	71.7	(64.1 - 79.4)	85.8	(80.7 - 91.0)	SD 4	77.3	(73.9 - 80.8)	68.3	(61.4 - 75.3)	81.7	(77.9 - 85.5)
Black	72.5	(68.4 - 76.6)	62.2	(53.5 - 71.0)	76.8	(72.4 - 81.3)	SD 5	74.3	(70.7 - 77.9)	56.4	(49.4 - 63.3)	83.8	(80.0 - 87.5)
Asian	77.0	(72.0 - 82.1)	60.4	(49.2 - 71.6)	82.8	(77.4 - 88.2)							
NHOPI	83.1	(68.7 - 97.4)	52.8	(15.8 - 89.9)†*	95.6	(89.2 - 100.0)†							
AI/AN	56.4	(36.1 - 76.7)†	53.0	(26.8 - 79.2)†	62.5	(32.3 - 92.7)†							
Other	72.7	(56.6 - 88.7)	37.2	(5.3 - 69.2)†*	83.8	(70.5 - 97.2)							
Multi	82.5	(75.7 - 89.3)	70.9	(54.9 - 87.0)	87.5	(81.2 - 93.9)							
Nativity													
US Born	74.8	(73.0 - 76.6)	62.7	(59.1 - 66.3)	81.5	(79.5 - 83.4)							
Foreign Born	78.4	(75.5 - 81.3)	65.1	(59.2 - 71.1)	85.8	(83.0 - 88.6)							
Sexual Orientation													
Heterosexual	76.6	(74.9 - 78.3)	64.0	(60.6 - 67.5)	83.5	(81.8 - 85.3)							
LGBQ	70.4	(65.8 - 74.9)	61.0	(53.1 - 68.9)	78.0	(73.0 - 83.0)							
Other	76.1	(70.6 - 81.6)	62.2	(49.6 - 74.8)	80.3	(74.2 - 86.4)							

Notes: PWBA included those who had ever binged alcohol.

Non-PWBA included those who had never binged alcohol.

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† The estimate is statistically unstable (sample size < 30); Interpret with caution.

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