UnderStandingAmericaStudy

UAS DRUG USE SUPPLEMENT

DATASET DESCRIPTION

USC Dornsife Center for Economic and Social Research
USC Institute for Addiction Science
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Contents

1. INTRODUCTION

The Understanding America Study - Drug Use Supplement (UAS-DUS) is a longitudinal panel survey public data resource that tracks monthly variation in drug use patterns and related-characteristics in a nationally-representative sample of U.S. adults, the Understanding America Study (UAS) internet panel. Spurred by the COVID-19 pandemic and rapidly changing drug markets and social conditions, UAS-DUS addresses the need to detect changes in drug use that occur on a month-to-month basis and cannot be captured by standard annual surveys.

The USC Institute for Addiction Science commissioned the UAS-DUS resource, which integrates repeated measures data collection that began in March 2020 during the Understanding Coronavirus in America Study and has subsequently continued with ongoing tracking surveys. Key measurements during each tracking survey include past-week use frequency/intensity for alcohol, cannabis, cigarettes, e-cigarettes, and other drugs, depression symptoms, and anxiety symptoms. Demographic measure variables are imbedded in the UAS-DUS data file. Surveys were first collected on a bi-weekly basis and subsequently monthly. All existing UAS panel members and those who newly join the UAS panel are invited to participate in the UAS-DUS monthly tracking surveys.

The UAS is a nationally representative internet panel of American households randomly recruited from United States Postal Service delivery sequence files. Respondents are aged 18 and up, and they complete surveys, on average, once or twice monthly via an online interface that is technologically powerful, user-friendly, and quick to deliver results.

The UAS-DUS Dataset can be linked with data from more than 300 previously conducted surveys administered to the UAS panel (a listing of all available UAS surveys is found on the UAS All Surveys page). The dataset can also be linked with UAS special datasets, such as the UAS Comprehensive File, which contains data from all UAS-core surveys (financial, health, and socioeconomic surveys which are fielded bi-annually to all active UAS panelists). Guidance on how to perform these linkages is discussed in Section 2.1 below.

All data in the UAS Drug Use Supplement Dataset has its origin in UAS public use files, which are accessible to registered UAS users through the UAS All Surveys page. Before accessing UAS data, one must first obtain permission by registering on the UAS site to download the public release files. Registering with UAS and returning a signed Data Use Agreement is considered agreeing to the "conditions of use" governing access and usage of the data. One must also submit a UAS Drug

Use Supplement Proposal form describing briefly what research is planned to be undertaken with the data. These brief descriptions are available for others to browse, to encourage collaboration on similar projects, and reduce the risk that several researchers are pursuing identical goals.

Please send all questions about the dataset or this data description to the UAS (uas-l@mymaillists.usc.edu) and/or Dr Junhan Cho (junhan.cho@usc.edu) with "UAS Drug Use Supplement" in the subject line.

2. STRUCTURE OF THE UAS DRUG USE SUPPLEMENT DATASET

The UAS Drug Use Supplement (UAS-DUS) dataset combines two sources of UAS data:

1. Data collected in the Understanding America Study's Understanding Coronavirus in America ("Covid") tracker, which ran from March 2020 to October 2021 (for more information see here). Specifically, all demographic variables described in section 3.1.1 and content variables in section 3.2.1 and section 3.2.2 were extracted from the UAS Covid-19 National Sample longitudinal file for all waves in the Understanding America Study's Understanding Coronavirus in America tracker. Collectively, these previous surveys from March 2020 to October 2021 constitute Waves 1 to 30 in the Drug Use Supplement dataset.

   Wave 1 (March 2020). The first survey, referred to as Wave 1, was fielded March 10 - March 31, 2020. All respondents were invited to complete Wave 1 on March 10. The distribution of responses over the survey period is therefore not random and concentrated in the first part of the survey period.

   Waves 2-25 (bi-weekly; April 2020 - February 2021). Beginning with Wave 2, which fielded April 1 - April 27, 2020, and continuing up until February 16, 2021 (Wave 25), each new survey wave was fielded every two weeks. Each day 1/14th of the respondents were invited to take the survey. Since respondents had two weeks to complete the survey, the total field period for each wave was four weeks. As such, responses from the participants assigned to do the survey during the last two weeks of a field period of one wave can overlap in time with responses from participants assigned to do the survey in the first two weeks of the subsequent wave.

   Waves 25-29 (every 4 weeks; February 2021 – July 2021). For waves that started February 17, 2021 through July 6, 2021 (Waves 25 - 29), each tracking survey wave was fielded every four weeks. For each of these five waves, 1/28th of the respondents were invited to take the survey during each day of the 28-day interval. Since respondents still had exactly two weeks to answer the survey, the total field period was six weeks. The tracking survey ended when wave 29 was completed on July 20, 2021.

   Wave 30 (**standalone wave; September/October 2021**) An additional stand-alone Wave 30 survey was fielded from September 23, 2021 to October 31, 2021.

2. **Wave 31 to Wave 32 (October 2021 – December? 2021; every 4 weeks).** Additional surveys with specific substance use and mental health information has been conduct for the Drug Use Supplement surveys since October 2021. The Drug Use Supplement Consent survey (UAS417) was fielded in September 2021, with new UAS members added over time. The first Drug Use Supplement survey (UAS 415) was fielded in October and November 2021. Following the 30 waves from the This survey was Wave 31. The next survey, Wave 32, was fielded in November and December 2021. Subsequent waves follow the same pattern. Respondents are randomly assigned to a specific day group within the field period, with values ranging from 1 to 28. Respondents are encouraged to participate on their assigned day, but they have until their next wave (28 days) to respond. The assigned day group is constant across waves. For example, for a respondent with a day group equal to 2, each wave becomes available to them on the 2nd day of fielding of the wave, and will remain accessible until the 30th day of fielding. Wave 1, UAS 415, went into the field on October 4, 2021. As such, respondents in day group 2 could answer UAS 415 anytime between October 5, 2021 and November 1st.

Table 1 displays the months fielded for the surveys contained in the current version of the Drug Use Supplement Dataset. Table 2 displays each survey's sample size, number of completes, and response rate.

Table 1. UAS Surveys in the Drug Use Supplement Dataset

UAS-DUS Wave	Start Date	End Date	Final Close	Sample Size	Response Rate	UAS Survey identifier
1	March 10, 2020	March 31, 2020	March 31, 2020	8815	81.06%	UAS 230
2	April 1, 2020	April 27, 2020	April 27, 2020	5891	96.66%	UAS 235
3	April 15, 2020	May 11, 2020	May 11, 2020	6885	94.23%	UAS 240
4	April 29, 2020	May 25, 2020	May 25, 2020	7232	91.03%	UAS 242
5	May 13, 2020	June 8, 2020	June 8, 2020	7420	88.05%	UAS 244
6	May 27, 2020	June 22, 2020	June 22, 2020	7542	86.90%	UAS 246
7	June 10, 2020	July 6, 2020	July 6, 2020	7628	84.85%	UAS 248
8	June 24, 2020	July 20, 2020	July 20, 2020	7702	80.67%	UAS 250
9	July 8, 2020	August 3, 2020	August 3, 2020	7772	82.90%	UAS 252
10	July 22, 2020	August 17, 2020	August 17, 2020	7816	83.19%	UAS 254

11	August 5, 2020	August 31, 2020	August 31, 2020	7877	80.73%	UAS 256
12	August 19, 2020	September 14, 2020	September 14, 2020	7913	80.60%	UAS 258
13	September 2, 2020	September 28, 2020	September 28, 2020	7952	80.61%	UAS 260
14	September 16, 2020	October 12, 2020	October 12, 2020	7992	78.30%	UAS 262
15	September 30, 2020	October 26, 2020	October 26, 2020	8062	76.35%	UAS 264
16	October 14, 2020	November 9, 2020	November 9, 2020	8126	77.42%	UAS 266
17	October 28, 2020	November 23, 202	November 23, 202	8180	78.19%	UAS 268
18	November 11, 2020	December 7, 2020	December 7, 2020	8227	75.22%	UAS 270
19	November 25, 2020	Deember 21, 2020	Deember 21, 2020	8262	74.52%	UAS 272
20	December 9, 2020	January 4, 2021	January 4, 2021	8288	74.14%	UAS 274
21	December 23, 2020	January 18, 2021	January 18, 2021	8303	74.01%	UAS 276
22	January 6, 2021	February 1, 2021	February 1, 2021	8320	75.73%	UAS 278
23	January 20, 2021	February 15, 2021	February 15, 2021	8439	74.85%	UAS 280
24	February 3, 2021	March 1, 2021	March 1, 2021	8552	74.98%	UAS 282
25	February 17, 2021	March 29, 2021	March 29, 2021	8581	73.14%	UAS 340
26	March 17, 2021	April 27, 2021	April 27, 2021	8688	70.78%	UAS 342
27	April 14, 2021	May 25, 2021	May 25, 2021	8732	69.87%	UAS 344
28	May 12, 2021	June 22, 2021	June 22, 2021	8769	68.23%	UAS 346
29	June 9, 2021	July 20, 2021	July 20, 2021	8821	66.90%	UAS 348
30	September 23, 2021	October 31, 2021	October 31, 2021	9736	73.66%	UAS 350
31	October 4, 2021	October 31, 2021	November 13, 2021	5893	93.13%	UAS 415
32	November 1, 2021	November 28, 2021	December 11, 2021	6672	87.08%	UAS 419
33	November 29, 2021	December 26, 2021	January 8, 2022	6851	82.41%	UAS 420
34	December 27, 2021	January 23, 2022	February 5, 2022	6994	84.27%	UAS 421
35	January 24, 2022	February 20, 2022	March 5, 2022	7085	82.74%	UAS 422
36	February 21, 2022	March 20, 2022	April 2, 2022	7165	79.33%	UAS 423
37	March 21, 2022	April 17, 2022	April 30, 2022	7220	79.35%	UAS 424
38	April 18, 2022	May 15, 2022	May 28, 2022	7282	78.76%	UAS 425
39	May 16, 2022	June 6, 2022	June 25, 2022			UAS 426

Members of the UAS panel are invited to choose whether or not to participate in the UAS-DUS. Because recruitments of new UAS panel members occurs multiple times throughout each year, a sizeable number of participants' complete their first UAS-DUS survey after wave 1. The size of each sample wave (for waves 2-29, and 31 or greater) reflects the number of UAS members who had consented at the time that the wave was fielded. Data detailing participation decisions in the UAS-DUS tracking survey for waves 2-29 may be accessed by registered users from the consent survey page UAS 46 and for waves beginning with 31 from the consent survey page UAS 417.

The dataset is structured as a panel where each row represents the responses of an individual (cross-sectional dimension) to a given wave (time dimension). Survey wave is uniquely identified by the variable *wave,* and individual respondents by their UAS identification code, *uasid,* as depicted in Table 2.

Table 2. Structure of the Drug Use Supplement Dataset (values are for example only)

uasid	wave	final_ weight	assigned _grp	assigne d_day	start_ day	survey_ source	cr026a_drinking (number of days drinking alcohol in past 7 days)	cr027a_anxious (how often feeling nervous, anxious)
000001	1	1.5001			3	230	2 2 Days	3 More than half the days
000001	16	1.5001			2	266	1 1 Day	3 More than half the days
000001	30	1.5001			1	350	3 3 Days	4 Nearly every day
000001	31	1.5001	2	5	5	415	0 0 Days	1 Not at all
000001	32	1.5001	2	5	7	419	2 2 Days	2 Several days
000002	1	1.4001			3	230	2 2 Days	4 Nearly every day
000002	16	1.4001			2	266	1 1 Day	3 More than half the days
000002	30	1.4001			1	350	3 3 Days	3 More than half the days
000002	31	1.4001	23	26	26	415	0 0 Days	2 Several days
000002	33	1.4001	23	26	27	420	2 2 Days	1 Not at all

2.1 Merging with other UAS Datasets

Each UAS file can be merged with other UAS files using the unique person identifier *uasid*, which is discussed in Section 3.1.2 in more detail.

Most other UAS data files, including the raw datasets for each separate Drug Use Supplement survey available on the UAS All Surveys page, are respondent-level with one record (row) per respondent. The Drug Use Supplement Dataset, however, is respondent*wave-level, with one record for each cross of respondent and wave. In other words, there is a separate row for each survey that each respondent in the panel completed. Consequently, joining the Drug Use Supplement Dataset with most other UAS files must be performed as a many-to-one merge.

Please send any questions about the data merging process or any other item related to the Drug Use Supplement Dataset to uas-l@mymaillists.usc.edu.

3. VARIABLES

The variables in the Drug Use Supplement Dataset are distinguished and organized in this document along two dimensions: content and source.

First, all variables can be divided into two content groups: demographic/metadata variables (Section 3.1) and drug use related, mental health and labor status variables (Section 3.2).

For the second dimension, source, all variables are either downloaded or derived. The downloaded variables are the raw variables downloaded in the Drug Use Supplement datasets found on the UAS All Surveys page and are either directly collected from the respondent or calculated by the survey software. Derived variables are calculated during the construction of the Drug Use Supplement Dataset and are discussed below (Section 3.3).

Variable values with missing codes of ".a", ".e" and ".m" should be treated as non-responses. Non-response can occur due to questionnaire skip pattern logic, the survey not being fully completed, the respondent not knowing the answer to a question, or the respondent refusing to answer a question. Variables values with missing code ".z"reflect that this variable is not available in that wave. For example, the labor status question listed in Section 3.2.3 was not asked in Wave 1 to 30.

3.1 Demographic and Survey Metadata Variables

Every demographic and metadata variable included in the Drug Use Supplement Dataset is listed along with its variable label in Table A.1 of Appendix A. With five exceptions (mentioned below) these are all UAS standard variables, for which additional information is available at the UAS standard variables page.

3.1.1 Demographics

Demographic variables in the Drug Use Supplement Dataset include respondents' age, gender, ethnicity, marital status, family structure, state of residence, education, marital status, employment characteristics, and household composition, among other attributes. All demographic variables are collected in the My Household survey, which is administered quarterly to every respondent in the UAS panel, ensuring that these variables are regularly updated. The demographic variables are associated with each distinct Drug Use Supplement survey according to the following rule: variable values collected in the My Household survey completed closest in

time before a given Drug Use Supplement survey are associated with that Drug Use Supplement survey and added to its data.

3.1.2 Metadata

Many survey metadata variables are also included in the Drug Use Supplement Dataset. Most metadata variables represent when and how the survey was administered. Examples are times/dates when respondents began and completed the survey, whether the survey was administered in English or Spanish, sample weights, and whether a tablet was ever provided to the respondent.

Of particular note are three identifier variables. Each respondent is uniquely identified with *uasid*. This variable, assigned to a respondent at recruitment into the UAS panel, stays fixed across surveys and is the key for linking this dataset to any other UAS file. Households are identified with *uashhid* (original household identifier), which also stays fixed, and *survhhid* (survey-specific identifier), which uniquely identifies the household a panel member belongs to at the time of a given survey, and so can change for respondents when they move between different households.

Finally, five metadata variables (*survey_source*, *wave, daygrp*, *assigned_day* and *final_weight*) were derived specifically for the Drug Use Supplement Dataset and are described in more detail in Section 3.3 below.

3.2 Drug Use Supplement Variables

The focal content of the Drug Use Supplement surveys and Drug Use Supplement Dataset can be divided into three groups: a drug use question block, a mental health question block, and a current labor status block. All variables in these three groups are listed along with their variable labels in Table A.2 of Appendix A.

3.2.1 Drug Use Question Block

The Drug Use Supplement surveys ask respondents how often they used five different substances in the past 7 days (variables for each substance are listed in the subsequent parentheses):

- Drank alcohol (number of days in the past 7 days: *cr026a_drinking*). If more than zero, then asked how many alcoholic drinks on a typical day (*cr026_a2*) and asked how many days drink 5 or more alcoholic beverages within a couple of hours (*cr050m*, for males) OR how many days did you drink 4 or more alcoholic beverages within a couple of hours (*cr050f*, for females)

- Used cannabis products (number of days in the past 7 days: *cr026b_cannabis*)
- Used recreational drugs other than alcohol or cannabis products (number of days in the past 7 days: *cr026c_drugs*)
- Smoked all or part of a cigarette (number of days in the past 7 days: *cr026l_cigarette*)
- Used an e-cigarette or vaping device to vape e-liquids with nicotine (number of days in the past 7 days: *cr026m_vape*)

The order in which the substances are asked about is randomly assigned per respondent, and is captured in the variables *cr026_order_1_* to *cr026_order_5*, which take a value of:

- 1 Drank alcohol
- 2 Used cannabis products
- 3 Used recreational drugs other than alcohol or cannabis products
- 4 Smoked all or part of a cigarette
- 5 Used an e-cigarette or vaping device to vape e-liquids with nicotine

3.2.2 Mental Health Question Block

The Drug Use Supplement surveys ask respondents how often they felt a certain way in the past 14 days from the Patient Health Questionnaire:

- Feeling nervous, anxious, or on edge (*cr027a_anxious*)
- Not being able to stop or control worrying (*cr027b_worry*)
- Feeling down, depressed, or hopeless (*cr027c_depressed*)
- Little interest or pleasure in doing things (*cr027d_littleinterest*)

The answer options for these questions are:

1. Not at all
2. Several days
3. More than half the days
4. Nearly every day

3.2.3 Labor Status Question Block

The Drug Use Supplement surveys ask respondents about their labor status (starting at wave 31):

- Current labor force status (0 No; 1 Yes)

  currentlaborstatuss1 (Currently working)

  currentlaborstatuss2 (On sick or other leave)

  currentlaborstatuss3 (Unemployed-on layoff

  currentlaborstatuss4 (Unemployed-looking)

  currentlaborstatuss5 (Retired)

  currentlaborstatuss6 (Disabled)

  currentlaborstatuss7 (Other)

  currentlaborstatus

3.3 Derived Variables

Most variables contained in the Drug Use Supplement Dataset are exactly the same as they appear in the raw datasets (referred to as the downloaded group in this document) except for minor changes related to naming and labeling for harmonization between the used UAS data sources. This section describes the derived variables that were constructed specifically for the Drug Use Supplement Dataset. They are the following:

- wave: Sequential index for each distinct Drug Use Supplement survey. Wave 1 corresponds to the first UAS Covid-19 survey, UAS 230, which was fielded in March of 2020 and aske about Covid-19 including substance use and mental health. Wave 2 corresponds to the survey after that, Wave 3 to the survey fielded after that, and so on, until wave 29 (UAS 348). An additional UAS Covid-19 Fall 2021 survey, UAS 350, is included as wave 30. The surveys that are part of the Drug Use Supplement start at wave 31.
- survey_source: Identifier for each distinct survey in the UAS, it indexes where each wave of the Drug Use Supplement survey can be found within the All Surveys page on the UAS website. It is the number of the UAS survey under which a given wave's documentation and raw data are located.
- daygrp: assigned day group reflecting what day the respondent was assigned to in the context of the duration of each wave (day 1 to 28). Starting at wave 31.

- assigned_day: the actual day of the month assigned to the respondent based on their assigned day group. Starting at wave 31.
- final_weight: Respondent-level weight calculated to make the Drug Use Supplement Dataset representative of the national population within each wave (see Section 4 below).

4. SAMPLE WEIGHTS

The Drug Use Supplement Dataset includes weights in the variable *final_weight* for all surveys that are no longer in the field. These weights allow the sample to be representative of the reference population (the U.S. population of individuals age 18 and older) along several demographic dimensions within each wave. The Drug Use Supplement Dataset combines two different data sets, for which two slightly different weighting procedures were used:

- Data from the Understanding America Study's Understanding Coronavirus in America ("Covid") tracker in Wave 1 to 30 are weighted using these demographic dimensions: gender, race/ethnicity, age, education and census region. The weighting procedure is implemented separately for the USA excluding California, California excluding Los Angeles County, and Los Angeles County. The resulting weights are then scaled up to the population size. Thus, when the entire sample is selected, the final weights allow to match the distributions of the aforementioned demographic variables in the entire U.S. adult population. If one of the three specific geographic sub-samples is selected – USA excluding California, California excluding Los Angeles County, Los Angeles County – the final weights allow to match the distributions of the aforementioned demographic variables in each of these geographies. A complete description of the UAS weighting procedure for the UAS Understanding Coronavirus in America study can be found here.

- Data from the Drug Use Supplement surveys are weighted using the same demographic dimensions, namely gender, race/ethnicity, age, education, and census region (with the West region separated into West without California, California without Los Angeles County, and Los Angeles County). The difference with the weights for the UAS COVID-19 surveys is that different geographies – USA excluding California, California excluding Los Angeles County, Los Angeles County – are not weighted separately. However, the weights still account for the over-representation of California and Los Angeles County residents in the UAS. The final weights allow to match the distributions of the aforementioned demographic variables in the entire population and are equivalent to the final weights in Covid tracker survey when the entire sample is selected. A complete description of the UAS weighting procedure can be found here.

Values for the demographic dimensions used to calculate the sample weights are taken from the demographic variables collected in the My Household survey and associated with each wave of

the Drug Use Supplement survey (see Section 3.1.1 for more details). More specifically, the most recently collected, non-missing values for each pertinent demographic variable are used.

Both sets of weight variables in the Drug Use Supplement survey are wave-specific. That is, they ensure representativeness of the sample in each wave at that timepoint. Because of that, they permit cross-sectional analyses of single waves of data to provide a snapshot estimate of drug use or mental health in the population at that timepoint and allow examination of the evolution of variables of interest over time in repeated snapshots. Users analyzing the data in this way should account for nesting of observations within participants. The provided final weights are not longitudinal weights. As such, they are not meant to make the sample of UAS members who ever participated in the Drug Use Supplement survey representative of the population. To request longitudinal weights and/or for any questions about the weights contact uas-weights-l@mymaillists.usc.edu.

APPENDIX A. DRUG USE SUPPLEMENT DATASET VARIABLES

Table A.1 Demographic and Metadata Variablesi

Variable Name	Variable Label	Response values
uasid	Individual identifier	
uashhid	Original household identifier	
survhhid	Survey-specific household composition	
wave	Wave of data collection	
uas_source	UAS survey number	
daygrp	Assigned day group within wave fielding period	
assigned_day	Assigned calendar day within wave fielding period	
uasmembers	Number of household UAS members besides the respondent	
final_weight	Relative post-stratification weight	
sampletype	Sample Type	1 Nationally Representative 2 Native Americans 3 LA County 4 California

batch	Recruiting Batch	1 ASDE 2014/01 Nat.Rep. 2 ASDE 2014/01 Native Am. 3 ASDE 2014/11 Native Am. 4 LA County 2015/05 List Sample 5 MSG 2015/07 Nat.Rep. Batch 1 6 MSG 2016/01 Nat.Rep. Batch 2 7 MSG 2016/01 Nat.Rep. Batch 3 8 MSG 2016/01 Nat.Rep. Batch 4 9 MSG 2016/02 Nat.Rep. Batch 5 10 MSG 2016/03 Nat.Rep. Batch 6 11 MSG 2016/04 Nat.Rep. Batch 7 12 MSG 2016/05 Nat.Rep. Batch 8 13 MSG 2016/08 LA County Batch 2 14 MSG 2017/03 LA County Batch 3 15 MSG 2017/11 California Batch 1 16 MSG 2018/02 California Batch 2 17 MSG 2018/08 Nat.Rep. Batch 9 18 MSG 2019/04 LA County Batch 4 19 MSG 2019/05 LA County Batch 5 20 MSG 2019/11 Nat. Rep. Batch 10 21 MSG 2020/08 Nat. Rep. Batch 11 22 MSG 2020/10 Nat. Rep. Batch 12 23 MSG 2021/02 Nat. Rep. Batch 13 24 MSG 2021/08 Nat. Rep. Batch 15 25 MSG 2021/08 Nat. Rep. Batch 16
primary_respondent	Primary respondent or not	0 Added member 1 Primary respondent
hardware	Hardware provided	0 None 1 Tablet (includes Internet)
language	Survey language	1 English 2 Spanish
start_date	Survey start date	
start_year	Survey start year	
start_month	Survey start month	
start_day	Survey start day	
start_hour	Survey start hour	
start_min	Survey start minute	
start_sec	Survey start second	
end_date	Survey end date	
end_year	Survey end year	

end_month	Survey end month	
end_day	Survey end day	
end_hour	Survey end hour	
end_min	Survey end minute	
end_sec	Survey end second	
lastmyhh_date	Date of last MyHH	
gender	Gender - Male	0 Female 1 Male
dateofbirth_year	Year of birth	
age	Age	
agerange	Age range for missing age	1 18-29 2 30-39 3 40-49 4 50-59 5 60-69 6 70-79 7 80-89 8 90+
citizenus	US citizen	0 No 1 Yes
bornus	Born in the US	0 No 1 Yes
stateborn	State born - FIPS coding	See UAS Data Site
countryborn	Country born	See UAS Data Site
immigrant_status	Immigrant status	0 Non-immigrant 1 First generation immigrant 2 Second generation immigrant 3 Third generation immigrant 4 Unknown immigrant status
statereside	State residence - FIPS coding	See UAS Data Site
maritalstatus	Marital status	1 Married (spouse lives with me) 2 Married (spouse lives elsewhere) 3 Separated 4 Divorced 5 Widowed 6 Never married

livewithpartner	Living with partner	0 No 1 Yes
education	Highest level of education	1 Less than 1st grade 2 Up to 4th grade 3 5th or 6th grade 4 7th or 8th grade 5 9th grade 6 10th grade 7 11th grade 8 12th grade-no diploma 9 High school graduate or GED 10 Some college-no degree 11 Assoc. college degree-occ/voc prog 12 Assoc. college degree-academic prog 13 Bachelor's degree 14 Master's degree 15 Professional school degree 16 Doctorate degree
hisplatino	Spanish/Hispanic/Latino	0 No 1 Yes
hisplatino_group	Spanish/Hispanic/Latino group	1 Mexican 2 Puerto Rican 3 Cuban 4 Central/South American 5 Other Spanish
white	White	0 No 1 Yes
black	Black	0 No 1 Yes
nativeamer	American Indian or Alaska Native	0 No 1 Yes
asian	Asian	0 No 1 Yes
pacific	Hawaiian/Pacific Islander	0 No 1 Yes

race	Race	1 White only 2 Black only 3 American Indian or Alaska Native only 4 Asian only 5 Hawaiian/Pacific Islander only 6 Mixed
working	Currently working	0 No 1 Yes
sick_leave	On sick or other leave	0 No 1 Yes
unemp_layoff	Unemployed - on layoff	0 No 1 Yes
unemp_look	Unemployed - looking	0 No 1 Yes
retired	Retired	0 No 1 Yes
disabled	Disabled	0 No 1 Yes
lf_other	Other Labor Force Status	0 No 1 Yes
laborstatus	Labor status	1 Currently working 2 On sick or other leave 3 Unemployed - on layoff 4 Unemployed - looking 5 Retired 6 Disabled 7 Other Labor Force Status 8 Mixed
employmenttype	Employment type	1 Government 2 Private (for profit) 3 Private (no profit) 4 Self-employed
workfullpart	Work full-time or part-time	1 Full-time 2 Part-time
hourswork	Hours of work per week	

hhincome	Household income	1 Less than $5,000 2 5,000 to 7,499 3 7,500 to 9,999 4 10,000 to 12,499 5 12,500 to 14,999 6 15,000 to 19,999 7 20,000 to 24,999 8 25,000 to 2,999 9 30,000 to 34,999 10 35,000 to 39,999 11 40,000 to 49,999 12 50,000 to 59,999 13 60,000 to 74,999 14 75,000 to 99,999 15 100,000 to 149,999 16 150,000 or more
anyhhmember	Whether any other HH member	0 No 1 Yes
hhmembernumber	Number of household members besides R	
hhmemberage_1 - 23	Age of HH member *n*	
hhmembergen_1 - 23	Gender of HH member *n*	0 Female 1 Male
hhmemberin_1 - 23	Whether HH member *n* is in the household	0 HH member is in no longer in the HH 1 HH member is in the HH
hhmemberrel_1 - 23 hhmemberrel_18	Relationship of HH member n to Respondent	1 Spouse/registered partner 2 Significant other 3 Parent 4 Child (including step/adopted) 5 Sibling (including step broth/sis) 6 Grandparent 7 Grandchild 8 Aunt/uncle 9 Other relative (e.g. cousin) 10 Family-in-law 11 Roommate/housemate 12 Financial (e.g. tenant, nanny) 14 Not related 15 Other
hhmemberuasid_1 - 23	UASID of HH member *n*	

Table A.2 Content Variables

Variable Name	Variable Label	Response values
cr026a_drinking	past days how many days drank alcohol	0 0 days 1 1 day 2 2 days 3 3 days 4 4 days 5 5 days 6 6 days 7 7 days
cr026b_cannabis	past days how many days used cannabis products such as marijuana	Same as cr026a_drinking
cr026c_drugs	past days how many days used recreational drugs other than alcohol or cannabis products	Same as cr026a_drinking
cr026l_cigarette	past days how many days smoked all or part of a cigarette	Same as cr026a_drinking
cr026m_vape	past days how many days used an e-cigarette or vaping device to vape e-liquids with nicotine	Same as cr026a_drinking
cr026_order_1_	order cr026 series 1	1 Drank alcohol 2 Used cannabis products such as marijuana 3 Used recreational drugs other than alcohol or cannabis products 4 Smoked all or part of a cigarette 5 Used an e-cigarette or vaping device to vape e-liquids with nicotine
cr026_order_2_	order cr026 series 2	Same as cr026_order_1_
cr026_order_3_	order cr026 series 3	Same as cr026_order_1_
cr026_order_4_	order cr026 series 4	Same as cr026_order_1_
cr026_order_5_	order cr026 series 5	Same as cr026_order_1_
cr026a2	how many alcoholic drinks on typical day	
cr050m	male 5 or more alcoholic beverages within a couple of hours	Same as cr026a
cr050f	female 4 or more alcoholic beverages within a couple of hours	Same as cr026a

cr027a_anxious	how often feeling nervous, anxious, or on edge	1 Not at all 2 Several days 3 More than half the days 4 Nearly every day
cr027b_worry	how often not being able to stop or control worrying	Same as cr027a_anxious
cr027c_depressed	how often feeling down, depressed, or hopeless	Same as cr027a_anxious
cr027d_littleinterest	how often little interest or pleasure in doing things	Same as cr027a_anxious
currentlaborstatuss1	Currently working	0 No 1 Yes
currentlaborstatuss2	On sick or other leave	0 No 1 Yes
currentlaborstatuss3	Unemployed-on layoff	0 No 1 Yes
currentlaborstatuss4	Unemployed-looking	0 No 1 Yes
currentlaborstatuss5	Retired	0 No 1 Yes
currentlaborstatuss6	Disabled	0 No 1 Yes
currentlaborstatuss7	Other	0 No 1 Yes
currentlaborstatus	Current labor status	
cs_001	How interesting interview	1 Very interesting 2 Interesting 3 Neither interesting nor uninteresting 4 Uninteresting 5 Very uninteresting