# UnderStandingAmericaStudy

## UAS 510: LA BAROMETER: MOBILITY AND SUSTAINABILITY

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Fielded January 27, 2023 - March 31, 2023

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# 1 INTRODUCTION

This UAS panel survey, titled ”UAS510: LA Barometer: Mobility and Sustainability” is administration of the third wave of a quarterly surveys sponsored by Union Bank as part of the LA Barometer project. It asks respondents about their living conditions, their attitudes and habits, and their neighborhood community. Related surveys are UAS194, UAS199, UAS219, UAS286, UAS312, UAS320, UAS363, UAS379 and UAS403. This survey is no longer in the field. Respondents were paid $9 to complete the survey.

This survey is part of the LA Barometer project. More information can be found on the LA Barometer web site.

## 1.1 Topics

This survey contains questions (among others) on the following topics: Consumer Behavior, Diet Lifestyle, Environment. A complete survey topic categorization for the UAS can be found here.

## 1.2 Experiments

This survey did not include any experiments. A complete survey experiment categorization for the UAS can be found here.

## 1.3 Citation

Each publication, press release or other document that cites results from this survey must include an acknowledgment of UAS as the data source and a disclaimer such as, ‘The project described in this paper relies on data from survey(s) administered by the Understanding America Study, which is maintained by the Center for Economic and Social Research (CESR) at the University of Southern California. The content of this paper is solely the responsibility of the authors and does not necessarily represent the official views of USC or UAS.’ For any questions or more information about the UAS, contact Tania Gutsche, Project and Panel Manager, Center for Economic and Social Research, University of Southern California, at tgutsche@usc.edu.

# 2 SURVEY RESPONSE AND DATA

## 2.1 Sample selection and response rate

The sample selection for this survey was:

All active respondents from the LA County sample.

As such, this survey was made available to 1622 UAS participants. Of those 1622 participants, 1190 completed the survey and are counted as respondents. Of those who are not counted as respondents, 17 started the survey without completing and 415 did not start the survey. The overall response rate was 73.37%.

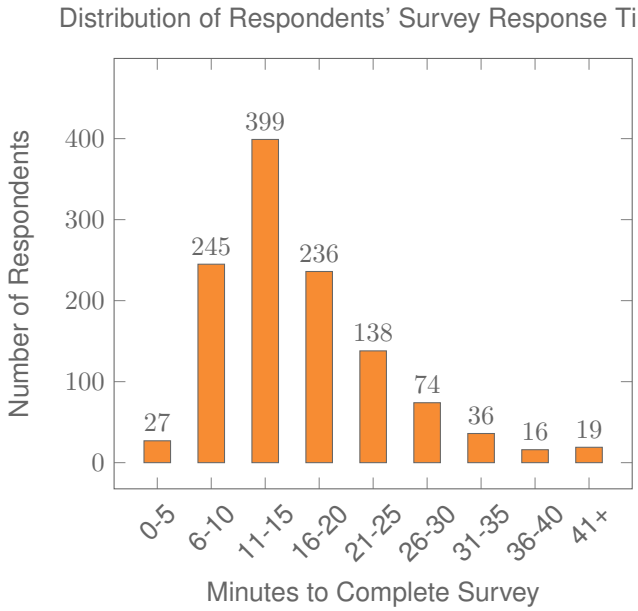
Note: We are unable to provide sample weights for a small number of UAS members (see the Sample and weighting section below for details). If they completed the survey, these members are included in the data set with a weight of zero, but accounted for in the computation of total sample size and survey response rate.%.

The detailed survey response rate is as follows:

| UAS510 - Response Overview | |
|---|---|
| Size of selected sample | 1622 |
| Completed the survey | 1190 |
| Started but did not complete the survey | 17 |
| Did not start the survey | 415 |
| Response rate | 73.37% |

## 2.2 Timings

The survey took respondents an average of 17 minutes, and the full distribution of survey response times is available in the figure below. Times per question are available upon request.




## 2.3 Sample & Weighting

Sample weights for this survey are computed following the general UAS Weighting Procedure. Specifically, we use a two-step process where we first compute base weights, which correct for unequal probabilities of sampling UAS members, and then generate final, post-stratification weights, which align the sample to the reference population along certain socio-economic dimensions. These are gender (male/female), race and ethnicity (White/Black/Other/Hispanic/Native American), age (18-39/40-49/50/59/60+), education (High school or less/Some college/Bachelor or more), Census regions (Northeast/Midwest//West, excl. CA/CA, excl. LAC, LAC). Benchmark distributions for these variables are derived from the 6 most recent available Current Population Survey (CPS) Basic Monthly Survey with respect to the survey's completion date. The reference population considered for the weights is the U.S. population of adults age 18 and older.

This survey dataset may contain respondents with a weight of zero. These respondents belong to a small group of UAS members for whom sample weights cannot be computed due to non-probability recruitment for special projects. Hence, while they are accounted for in the total number of survey respondents, they do not contribute to any statistics using sample weights. More information is available from the UAS Weighting Procedure. Please contact UAS staff with any questions.

# 3 STANDARD VARIABLES

Each Understanding America Study data set contains a series of standard variables, consisting of individual, household and sample identifiers, language indicator, time stamps and a rating by the respondent of how much he or she liked the survey. These variables are based on the questions asked quarterly in the My Household survey after the application of a cleaning process (https://uasdata.usc.edu/page/Data+Cleaning+Process). They are the following:

- **uasid**: the identifier of the respondent. This identifier is assigned to a respondent at recruitment and stays with the respondent throughout each and every survey he/she participates in. When analyzing data from multiple surveys, the 'uasid' can be used to merge data sets.
- **uashhid**: the household identifier of the respondent. Every member is assigned a household identifier, stored in the variable ¡em¿uashhid¡/em¿. For the primary respondent this identifier is his or her 'uasid'. All other eligible members of the primary respondent's household (everyone who is 18 or older in the household) who become UAS respondents receive the uasid of the primary respondent as their household identifier. The uashhid remains constant over time for all respondents. Thus it is always possible to find the original UAS household of an UAS panel member (even after they, for example, have moved out to form another household).
- **uashhid_current**: the current household identifier of the respondent. Uniquely identifies the household a UAS panel member belongs to in a given survey INDEPENDENT of the exact composition of the household in terms of who else in the household are UAS members. Missing (.n) for respondents who are in a single-UAS member household at the time of survey start. Available on request in data sets prior to September 3, 2025.
- **survhhid**: uniquely identifies the household a UAS panel member belongs to in a given survey DEPENDENT on the exact composition of the household in terms of who else in the household are UAS members. Is set to missing (.n) if no other household members are UAS panel members at the time of the survey. Is set to unknown (.u) for respondents who last participated in the My Household survey prior to January 21, 2015.
- **uasmembers**: is the number of other household members who are also UAS panel members at the time of the survey. Since individuals can answer the same survey at different points in time (which can be relatively far apart is the survey is kept in the field for a prolonged time), it may be possible that, within the same data set, the primary respondent of a household has a value of '0', whereas the second UAS household respondent has a value of '1'. Therefore 'uasmembers' should be interpreted as the number of household and UAS panel members at the time the respondent answers the survey. Note: in the My Household survey 'uasmembers' is set to unknown (.u)

for respondents who last participated in the My Household survey prior to January 21, 2015.

- **sampleframe**: indicates the sampling frame from which the household of the respondent was recruited. All UAS recruitment is done through address based sampling (ABS) in which samples are acquired based on postal records. Currently, the variable 'sampleframe' takes on four values reflecting four distinct sample frames used by the UAS over the year (in future data sets the number of sample frames used for recruitment may increase if additional specific populations are targeted in future recruitment batches):

  1. U.S. National Territory: recruited through ABS within the entire U.S.
  2. Areas high concentration Nat Ame: recruited through ABS in areas with a high concentration of Native Americans in the zip-code. Within these batches, individuals who are not Native Americans are not invited to join the UAS.
  3. Los Angeles County: recruited through ABS within Los Angeles County.
  4. California: recruited through ABS within California.

  Note: prior to March 6, 2024 this variable was called sampletype and had the following value labels for the above list in UAS data sets:

  1. Nationally Representative Sample: recruited through ABS within the entire U.S.
  2. Native Americans: recruited through ABS in areas with a high concentration of Native Americans. Within these batches, individuals who are not Native Americans are not invited to join the UAS.
  3. LA County: recruited through ABS within Los Angeles County.
  4. California: recruited through ABS within California.

- **batch**: indicates the batch from which the respondent was recruited. Currently, this variable takes the following values (in future data sets the number of batches may increase as new recruitment batches are added to the UAS):

  1. ASDE 2014/01
  2. ASDE 2014/01
  3. ASDE 2014/01
  4. Public records 2015/05
  5. MSG 2015/07
  6. MSG 2016/01
  7. MSG 2016/01
  8. MSG 2016/01
  9. MSG 2016/02
  10. MSG 2016/03

11. MSG 2016/04
12. MSG 2016/05
13. MSG 2016/08
14. MSG 2017/03
15. MSG 2017/11
16. MSG 2018/02
17. MSG 2018/08
18. MSG 2019/04
19. MSG 2019/05
20. MSG 2019/11
21. MSG 2020/08
22. MSG 2020/10
23. MSG 2021/02
24. MSG 2021/08
25. MSG 2021/08
26. MSG 2022/02
27. MSG 2022/02
28. MSG 2022/08
29. MSG 2022/11
30. MSG 2022/11
31. MSG 2023/01
32. MSG 2023/06
33. MSG 2023/09
34. MSG 2023/10
35. MSG 2025/02
36. MSG 2025/09
37. MSG 2026/06

Note: prior to March 6, 2024 this variable had the following value labels for the above list in UAS data sets:

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.

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
26. MSG 2022/02 Nat. Rep. Batch 17 (priority)
27. MSG 2022/02 Nat. Rep. Batch 17 (regular)
28. MSG 2022/08 Nat. Rep. Batch 18
29. MSG 2022/11 LA County Batch 6
30. MSG 2022/11 Nat. Rep. Batch 20
31. MSG 2023/01 Nat. Rep. Batch 21
32. MSG 2023/06 Nat. Rep. Batch 22
33. MSG 2023-09 Native Am. Batch 3
34. MSG 2023-10 Nat. Rep. Batch 23

- **primary_respondent**: indicates if the respondent was the first person within the household (i.e. to become a member or whether s/he was added as a subsequent member. A household in this regard is broadly defined as anyone living together with the primary respondent. That is, a household comprises individuals who live together, e.g. as part of a family relationship (like a spouse/child/parent) or in context of some other relationship (like a roommate or tenant).

- **hardware**: indicates whether the respondent ever received hardware or not. Note: this variable should not be used to determine whether a respondent received hardware at a given point in time and/or whether s/he used the hardware to participate in a survey. Rather, it indicates whether hardware was ever provided:

    1. None
    2. Tablet (includes Internet)

- **language**: the language in which the survey was conducted. This variable takes a value of 1 for English and a value of 2 for Spanish.

- **start_date (start_year, start_month, start_day, start_hour, start_min, start_sec)**: indicates the time at which the respondent started the survey.

- **end_date (end_year, end_month, end_day, end_hour, end_min, end_sec)**: indicates the time at which the respondent completed the survey.

- **cs_001**: indicates how interesting the respondent found the survey.

# 4 DEMOGRAPHICS

Every UAS survey data set also includes demographic variables, which provide background information about the respondent and their household. Demographic information such as age, ethnicity, education, marital status, work status, state of residence, family structure is elicited every quarter through the ‘‘My Household’’ survey. The demographic variables provided with each survey are taken from the most recent ‘MyHousehold’ survey answered by the respondent. If at the time of a survey, the information in ‘‘My Household’’ is more than three months old, a respondent is required to check and update his or her information before being able to take the survey.

The demographic variables are based on the questions taken from the My Household survey after the application of the cleaning process.

The following variables are available in survey data sets after October 8, 2025:

- **sex**: indicates the sex of the respondent as assigned at birth. Is set to gender if the respondent has not filled out My Household after October 8, 2025.
- **genderid**: indicates the current gender of the respondent. Is set to missing (”.v”) if the respondent has not filled out My Household after October 8, 2025. Available in data sets after October 8, 2025.
- **dateofbirth_year**: indicates the year of birth of the respondent.
- **age**: indicates the age of the respondent at the start of the survey.
- **agerange**: if the respondent’s age cannot be calculate due to missing information, ‘agerange’ indicates the approximate age. Should a value for both the ‘age’ and ‘agerange’ be present, then ‘age’ takes precedence over ‘agerange’.
- **citizenus**: indicates whether the respondent is a U.S. citizen.
- **bornus**: indicates whether the respondent was born in the U.S.
- **stateborn**: indicates the state in which the respondent was born. Is set to missing (.) if the respondent was not born in the U.S.
- **countryborn**: indicates the country in which the respondent was born. Is set to missing (.) if the respondent was born in the U.S.
- **statereside**: indicates the state in which the respondent is living.
- **immigration_status**: indicates whether the respondent is an immigrant. It takes one of the following values: 0 Non-immigrant, 1 First generation immigrant (immigrant who migrated to the U.S), 2 Second generation immigrant (U.S.-born children of at least one foreign-born parent), 3 Third generation immigrant (U.S.-born children of at least

one U.S.-born parent, where at least one grandparent is foreign-born), or 4 Unknown immigrant status.

- **maritalstatus**: indicates the marital status of the respondent.
- **livewithpartner**: indicates whether the respondent lives with a partner.
- **education**: indicates the highest level of education attained by the respondent.
- **white**: indicates whether the respondent identifies him or herself as white (Caucasian).
- **black**: indicates whether the respondent identifies him or herself as black (African-American).
- **nativeamer**: indicates whether the respondent identifies him or herself as Native American (American Indian or Alaska Native).
- **asian**: indicates whether the respondent identifies him or herself as Asian (Asian-American).
- **pacific**: indicates whether the respondent identifies him or herself as Native Hawaiian or Other Pacific Islander.
- **race**: indicates the race of the respondent as singular (e.g., '1 White' or '2 Black') or as mixed (in case the respondent identifies with two or more races). The value '6 Mixed' that the respondent answered 'Yes' to at least two of the single race categories. This variable is generated based on the values of the different race variables (white, black, nativeamer, asian, pacific). This composite measure is not conditional on hisplatino, so an individual may identify as Hispanic or Latino, and also as a member of one or more racial groups.
- **race_identify**: indicates the race the respondent identifies with most (if mixed). Is set to missing (".v") if the respondent has not filled out My Household after October 8, 2025.
- **hisplatino**: indicates whether the respondent identifies him or herself as being Hispanic or Latino. This variable is asked separately from race.
- **mena**: indicates whether the respondent identifies as being of Middle Eastern or North African ancestry. Is set to missing (".v") if the respondent has not filled out My Household after October 8, 2025.
- **working**: indicates whether the respondent is working for pay.
- **sick_leave**: indicates whether the respondent is not working because sick or on leave.
- **unemp_layoff**: indicates whether the respondent is unemployed or on lay off.
- **unemp_look**: indicates whether the respondent is unemployed and looking for a job.

- **retired**: indicates whether the respondent is retired.
- **disabled**: indicates whether the respondent has a disability.
- **workemployer**: indicates whether the respondent works for an employer. Is set to missing (".e") if no answer for laborstatus was given by the respondent. Is set to missing (".v") if the respondent has not filled out My Household after October 8, 2025.
- **workself**: indicates whether the respondent is self-employed. Is set to missing (".e") if no answer for laborstatus was given by the respondent. Is set to missing (".v") if the respondent has not filled out My Household after October 8, 2025.
- **homemaker**: indicates whether the respondent is a homemaker. Is set to missing (".e") if no answer for laborstatus was given by the respondent. Is set to missing (".v") if the respondent has not filled out My Household after October 8, 2025.
- **student**: indicates whether the respondent is a student. Is set to missing (".e") if no answer for laborstatus was given by the respondent. Is set to missing (".v") if the respondent has not filled out My Household after October 8, 2025.
- **notworking**: indicates whether the respondent is not working and not looking for work. Is set to missing (".e") if no answer for laborstatus was given by the respondent. Is set to missing (".v") if the respondent has not filled out My Household after October 8, 2025.
- **lf_other**: indicates whether the respondent has another labor force status.
- **laborstatus**: indicates the labor force status of the respondent as singular (e.g., '1 Working for pay' or '2 On sick or other leave') or as mixed (in case the respondent selects two or more labor statuses). The value '8 Mixed' indicates that the respondent answered 'Yes' to at least two of the single labor force status variables. This variable is generated based on the values of the different labor status variables (working, sick_leave, unempl_layoff, unempl_look, retired, disabled, lf_other).
- **hourswork**: indicates the number of hours the respondent works per week. Is set to missing (.) if the respondent is not currently working or currently on sick or other leave.
- **hhincome**: indicates the total combined income of all members of the respondent's household (living in their household) during the past 12 months.
- **anyhhmember**: indicates whether there were any members in the respondent's household at the time he/she answered the survey as reported by the respondent. Based on the hhmemberin variables if the respondent has not filled out My Household after October 8, 2025. Based on hhcomp_total if the respondent has filled out My Household after October 8, 2025.
- **hhmembernumber**: indicates the number of household members in the respondent's household at the time of the survey as reported by the respondent. It may

be that ‘anyhhmember’ is ‘Yes’, but ‘hhmembernumber’ is missing if the respondent did not provide the number of household members at the time of the survey. Based on the hhmemberin variables if the respondent has not filled out My Household after October 8, 2025. Based on hhcomp_total if the respondent has filled out My Household after October 8, 2025.

- **hhcomp_male_0_3**: indicates the number of male children ages 0 through 4 who are living in the respondent’s household right now (even if they only live with the respondent part-time or temporarily). Is set to missing (”.v”) if the respondent has not filled out My Household after October 8, 2025.
- **hhcomp_female_0_3**: indicates the number of female children ages 0 through 4 who are living in the respondent’s household right now (even if they only live with the respondent part-time or temporarily). Is set to missing (”.v”) if the respondent has not filled out My Household after October 8, 2025.
- **hhcomp_other_0_3**: indicates the number of other-gendered children ages 0 through 4 who are living in the respondent’s household right now (even if they only live with the respondent part-time or temporarily). Is set to missing (”.v”) if the respondent has not filled out My Household after October 8, 2025.¡/li¿
- **hhcomp_male_4_12**: indicates the number of male children ages 5 through 12 who are living in the respondent’s household right now (even if they only live with the respondent part-time or temporarily). Is set to missing (”.v”) if the respondent has not filled out My Household after October 8, 2025.
- **hhcomp_female_4_12**: indicates the number of female children ages 5 through 12 who are living in the respondent’s household right now (even if they only live with the respondent part-time or temporarily). Is set to missing (”.v”) if the respondent has not filled out My Household after October 8, 2025.
- **hhcomp_other_4_12**: indicates the number of other-gendered children ages 5 through 12 who are living in the respondent’s household right now (even if they only live with the respondent part-time or temporarily). Is set to missing (”.v”) if the respondent has not filled out My Household after October 8, 2025.
- **hhcomp_male_13_17**: indicates the number of male children ages 13 through 17 who are living in the respondent’s household right now (even if they only live with the respondent part-time or temporarily). Is set to missing (”.v”) if the respondent has not filled out My Household after October 8, 2025.
- **hhcomp_female_13_17**: indicates the number of female children ages 13 through 17 who are living in the respondent’s household right now (even if they only live with the respondent part-time or temporarily). Is set to missing (”.v”) if the respondent has not filled out My Household after October 8, 2025.
- **hhcomp_other_13_17**: indicates the number of other-gendered children ages 13 through 17 who are living in the respondent’s household right now (even if they only

live with the respondent part-time or temporarily). Is set to missing (".v") if the respondent has not filled out My Household after October 8, 2025.

- **hhcomp_male_18_64**: indicates the number of male adults ages 18 through 64 who are living in the respondent's household right now (even if they only live with the respondent part-time or temporarily). Is set to missing (".v") if the respondent has not filled out My Household after October 8, 2025.
- **hhcomp_female_18_64**: indicates the number of female adults ages 18 through 64 who are living in the respondent's household right now (even if they only live with the respondent part-time or temporarily). Is set to missing (".v") if the respondent has not filled out My Household after October 8, 2025.
- **hhcomp_other_18_64**: indicates the number of other-gendered adults ages 18 through 64 who are living in the respondent's household right now (even if they only live with the respondent part-time or temporarily). Is set to missing (".v") if the respondent has not filled out My Household after October 8, 2025.
- **hhcomp_male_65plus**: indicates the number of male adults ages 65 or older who are living in the respondent's household right now (even if they only live with the respondent part-time or temporarily). Is set to missing (".v") if the respondent has not filled out My Household after October 8, 2025.
- **hhcomp_female_65plus**: indicates the number of female adults ages 65 or older who are living in the respondent's household right now (even if they only live with the respondent part-time or temporarily). Is set to missing (".v") if the respondent has not filled out My Household after October 8, 2025.
- **hhcomp_other_65plus**: indicates the number of other-gendered adults ages 65 or older who are living in the respondent's household right now (even if they only live with the respondent part-time or temporarily). Is set to missing (".v") if the respondent has not filled out My Household after October 8, 2025.
- **hhcomp_total_18_64**: indicates the total number of adults 18 through 64 who are living in the respondent's household right now (even if they only live with the respondent part-time or temporarily). Is set to missing (".v") if the respondent has not filled out My Household after October 8, 2025.
- **hhcomp_total_65plus**: indicates the total number of adults 65 or older who are living in the respondent's household right now (even if they only live with the respondent part-time or temporarily). Is set to missing (".v") if the respondent has not filled out My Household after October 8, 2025.
- **hhcomp_total_adults**: indicates the total number of adults who are living in the respondent's household right now (even if they only live with the respondent part-time or temporarily). Is set to missing (".v") if the respondent has not filled out My Household after October 8, 2025.

- **hhcomp_total_children**: indicates the total number of children who are living in the respondent's household right now (even if they only live with the respondent part-time or temporarily). Is set to missing (".v") if the respondent has not filled out My Household after October 8, 2025.
- **hhcomp_total**: indicates the total number of people who are living in the respondent's household right now (even if they only live with the respondent part-time or temporarily). Is set to missing (".v") if the respondent has not filled out My Household after October 8, 2025.
- **parent_guardian_a**: indicates whether the respondent is the parent or guardian of one or more children ages 0 to 4 in the respondent's household. Is set to missing (".a") if hhcomp_total_children is not greater than 0. Is set to missing (".v") if the respondent has not filled out My Household after October 8, 2025.
- **parent_guardian_b**: indicates whether the respondent is the parent or guardian of one or more children ages 5 to 12 in the respondent's household. Is set to missing (".a") if hhcomp_total_children is not greater than 0. Is set to missing (".v") if the respondent has not filled out My Household after October 8, 2025.
- **parent_guardian_c**: indicates whether the respondent is the parent or guardian of one or more children ages 13 to 17 in the respondent's household. Is set to missing (".a") if hhcomp_total_children is not greater than 0. Is set to missing (".v") if the respondent has not filled out My Household after October 8, 2025.

The following variables were provided up until October 8, 2025. Several remain available in data sets created after October 8, 2025 on request.

- **gender**: indicates the gender of the respondent. Available in data sets before October 9, 2025.
- **countryborn_other**: indicates the country of birth if that country is not on the drop down list of countries shown to the respondent'.
- **hisplatinogroup**: indicates which Hispanic or Latino group a respondent identifies him or herself with. Is set to missing (.) if the respondent does not identify him or herself as being Hispanic or Latino. Available in data sets after October 8, 2025 on request.
- **employmenttype**: indicates the employment type of the respondent (employed by the government, by a private company, a nonprofit organization, or self-employed). Is set to missing (.) if the respondent is not currently working or currently on sick or other leave. Available in data sets before October 9, 2025.
- **workfullpart**: indicates whether the respondent works full or part-time. Is set to missing (.) if the respondent is not currently working or currently on sick or other leave. Available in data sets before October 9, 2025.

- **hhmemberin_#**: indicates whether a household member is currently in the household as reported by the respondent. Household members are never removed from the stored household roster and their information is always included in survey data sets. The order of the roster is the same order in which household members were specified by the respondent in the 'MyHousehold' survey. The order is identified by the suffix _# (e.g., _1 indicates the first household member, _2 the second household member, etc.).

  As an example, if the first household member is in the household at the time of the survey, 'hhmemberin_1' is set to '1 HH Member 1 is in the HH'; if he/she has moved out, 'hhmemberin_1' is set to '0 HH member 1 is no longer in the HH'. Since information of other household members (stored in the variables listed below) is always included in survey data sets, information about 'hhmemberin_1' is available whether this person is still in the household or has moved out. Available in data sets before October 9, 2025. Available in data sets after October 8, 2025 on request.

- **hhmembergen_#**: indicates the gender of the household member as reported by the respondent. Available in data sets before October 9, 2025. Available in data sets after October 8, 2025 on request.

- **hhmemberage_#**: indicates the age of the household member. The age is derived from the month and year of birth of the household member as reported by the respondent. Available in data sets before October 9, 2025. Available in data sets after October 8, 2025 on request.

- **hhmemberrel_#**: indicates the relationship of the respondent to the household member as reported by the respondent. Available in data sets before October 9, 2025. Available in data sets after October 8, 2025 on request.

- **hhmemberuasid_#**: indicates the 'uasid' of the household member if this person is also a UAS panel member. It is set to missing (.) if this person is not a UAS panel member at the time of the survey. Since this identifier is directly reported by the respondent (chosen from a preloaded list), it may differ from the actual (correct) 'uasid' of the UAS member it refers to because of reporting error. Also, this variable should not be used to identify UAS members in a given household at the time of the survey. This is because the variables 'hhmemberuasid_#' are taken from the most recent 'My Household' and changes in household composition involving UAS members may have occurred between the time of the respondent answered 'My Household' and the time the respondent answers the survey. To follow UAS members of a given household, it is advised to use the identifiers 'uashhid' and 'survhhid'. Available in data sets before October 9, 2025. Available in data sets after October 8, 2025 on request.

Lastly, data sets created after May 8, 2025 include an urbanicity variable. It is based on panel members' current census tract of residence and the 2010 Rural-Urban Commuting Area (RUCA) codes released by the US Department of Agriculture's Economic Research Service. To preserve confidentiality, the UAS collapses the 10 primary RUCA codes to 4

levels: Metropolitan, Micropolitan, Small/Rural, and Unknown. The Metropolitan level corresponds to primary RUCA codes 1-3, the Micropolitian level corresponds to RUCA codes 4-6, and the Small/Rural UAS classification corresponds to RUCA codes 7-10.

For detailed information and definitions of the 10 primary RUCA codes, please visit the USDA ERS Rural-Urban Commuting Area Codes site. Surveys conducted completely prior to May 8, 2025 will have an urbanicity data variable available on request. Data sets created after February 6, 2026 contain two urbanicity variables (urbanicity2010 and urbanicity2020, based on the 2010 and 2020 RUCA codes respectively). Information regarding differences between the 2010 and 2020 codes is located here.

# 5 MISSING DATA CONVENTIONS

Data files provide so-called clean data, that is, answers given to questions that are not applicable anymore at survey completion (for example because a respondent went back in the survey and skipped over a previously answered question) are treated as if the questions were never asked. In the data files all questions that were asked, but not answered by the respondent are marked with (.e). All questions never seen by the respondent (or any dirty data) are marked with (.a). The latter may mean that a respondent did not view the question because s/he skipped over it; or alternatively that s/he never reached that question due to a break off. If a respondent did not complete a survey, the variables representing survey end date and time are marked with (.c). Household member variables are marked with (.m) if the respondent has less household members (e.g. if the number of household members is 2, any variables for household member 3 and up are marked with (.m).

UAS provides data in STATA and CSV format. Stata data sets come with include variable labels that are not available in the CSV files. Value labels are provided for single-response answer option. In STATA these labels will include the labels 'Not asked' and 'Not answered' for (.a) and (.e), and will show in tabulations such as 'tab q1, missing'. For multiple-response questions a binary variable is created for each answer option indicating whether the option was selected or not. A summary variable is also provided in string format reflecting which options were selected and in which order. For example, if a question asked about favorite animals with options cat, dog, and horse, then if a respondent selected horse and then cat, the binary variables for horse and cat will be set to yes, while the overall variable would have a string value of '3-1'. If no answer was given, all binary variables and the summary variable will be marked with '.e'.

Questions that are asked multiple times are often implemented as so-called array questions. Supposing the name of such question was Q1 and it was asked in 6 different instances, your data set would contain the variables Q1_1_ to Q1_6_. To illustrate, if a survey asked the names of all children, then child_1_ would contain the name of the first child the respondent named and so on.

More information about the UAS data in general can be found on the UAS Data Pages web site.

# 6 ROUTING SYNTAX

The survey with routing presented in the next section includes all of the questions that make up this survey, the question answers when choices were provided, and the question routing. The routing includes descriptions of when questions are grouped, conditional logic that determines when questions are presented to the respondent, randomization of questions and answers, and fills of answers from one question to another.

If you are unfamiliar with conditional logic statements, they are typically formatted so that ***if*** the respondent fulfills some condition (e.g. they have a cellphone or a checking account), ***then*** they are presented with some other question or the value of some variable is changed. If the respondent does not fulfill the condition (e.g. they are not a cellphone adopter or they do not have a checking account), something ***else*** happens such as skipping the next question or changing the variable to some other value. Some of the logic involved in the randomization of questions or answers being presented to the respondent is quite complex, and in these instances there is documentation to clarify the process being represented by the routing.

Because logic syntax standards vary, here is a brief introduction to our syntax standards. The syntax used in the conditional statements is as follows: '=' is equal to, '$<$' is less than, '$>$' is greater than, and '!=' is used for does not equal. When a variable is set to some number N, the statement looks like 'variable := N'.

The formatting of the questions and routing are designed to make it easier to interpret what is occurring at any given point in the survey. Question ID is the bold text at the top of a question block, followed by the question text and the answer selections. When a question or variable has associated data, the name links to the appropriate data page, so you can easily get directly to the data. Text color is used to indicate the routing: red is conditional logic, gold is question grouping, green is looping, and orange is used to document randomization and other complex conditional logic processes. The routing is written for a computer to parse rather than a human to read, so when the routing diverges significantly from what is displayed to the respondent, a screenshot of what the respondent saw is included.

The name of the randomization variables are defined in proximity to where they are put into play, and like the question ID the names of the randomization variables can be used to link directly to the associated data page.

# 7 SURVEY WITH ROUTING

**tr_intro** (Section Usage)
*This survey asks about your attitudes, habits, and living conditions in Los Angeles. Thank you for your participation in this important study about where we live.*

Start of section **Preload**

/* This survey uses time frame references in the following questions:

- ht007, ht012, ht014, t015, ht017, pl001, pl005, pl006, pl007, im001, im002, im003: time frame reference takes the value of 'Since date the respondents completed the UAS403 Sustainability survey' OR 'In the past 12 months'. NOTE: an incorrect time frame reference was used for a small subset of respondents. These can be identified in the data set using variable incorrect_sustainability_date with values:
  - 1 Saw 'December 31, 1969' instead of 'In the past 12 months.'
  - 2 Saw 'In the past 12 months' instead of 'Since date the respondents completed the UAS403 Sustainability survey'.
  - 3 Saw correct time frame reference.
- ne001a, wc001: time frame reference takes the value of 'Since date the respondents completed the UAS468 Livability survey' OR 'In the past 12 months'.

*/

```
uas403_endtime := getUAS403Preload("endtime")

IF uas403_endtime = RESPONSE THEN
| FLSusDate := getSpanishDate(uas403_endtime)
END OF IF

uas468_endtime := getUAS468Preload("endtime")

IF uas468_endtime = RESPONSE THEN
| FLLivDate := getSpanishDate(uas468_endtime)
END OF IF

preload_pu001 := getUAS468Preload("pu001")
preload_ts001_1 := getUAS468Preload("ts001_1")
preload_ts001_2 := getUAS468Preload("ts001_2")
preload_ts001_3 := getUAS468Preload("ts001_3")
preload_ts001_4 := getUAS468Preload("ts001_4")
```

preload_ts001_5 := getUAS468Preload(”ts001_5”)
preload_ts001_6 := getUAS468Preload(”ts001_6”)
preload_ts001_7 := getUAS468Preload(”ts001_7”)
preload_ts001 := ’2’

IF preload_ts001_1 = 1 OR preload_ts001_2 = 1 OR preload_ts001_3 = 1 OR preload_ts001_4 = 1 OR preload_ts001_5 = 1 OR preload_ts001_6 = 1 OR preload_ts001_7 = 1 THEN
| preload_ts001 := ’1’
END OF IF

End of section **Preload**

Start of section **Issues**

/* The answer options in I_001 are presented in random order per variables I_001_order with values:

- 1 Crime
- 2 Increasing prices/inflation
- 3 Racial injustice
- 4 Unemployment
- 5 Housing and homelessness
- 6 Terrorism
- 7 Fiscal policy (taxation, government spending and debt)
- 8 Immigration
- 9 Health/healthcare
- 10 The education system
- 11 Abortion and reproductive health
- 12 The environment and climate change
- 13 The Covid-19 pandemic
- 14 The international situation
- 15 Public transportation/infrastructure
- 16 Other

*/

IF sizeof(i_001_order) = 0 THEN

i_001_order := shuffleArray(array(1 →1, 2 →2, 3 →3, 4 →4, 5 →5, 6 →6, 7 →7, 8 →8, 9 →9, 10 →10, 11 →11, 12 →12, 13 →13, 14 →14, 15 →15))
i_001_order(16) := 16

END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**i_001** (most important issues country in section Issues)
What do you think are the **two** most important issues facing Los Angeles County at the moment?
1 Crime
2 Increasing prices/inflation
3 Racial injustice
4 Unemployment
5 Housing and homelessness
6 Terrorism
7 Fiscal policy (taxation, government spending and debt)
8 Immigration
9 Health/healthcare
10 The education system
11 Abortion and reproductive health
12 The environment and climate change
13 The Covid-19 pandemic
14 The international situation
15 Public transportation/infrastructure
16 Other, please specify:

**i_001_other** (other most important issues country in section Issues)
STRING

END OF GROUP

End of section **Issues**

Start of section **Usage**

**tr_intro2** (Section Usage)
*We would like to learn more about how you travel to and from places in Los Angeles County and how you feel about the transportation modes available to you.*

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**tr001** (modes of transportation in last year in section Usage)
Over the last year, what modes of transportation did you use to go to places (like work, the grocery store, daycare, medical appointments, restaurants, parks, the airport, etc.) in or around Los Angeles County? **Please check all that apply.**

Be sure to include transportation modes that you used in combination with one another. For example, if your commute to work typically involves a 10-minute walk to the bus stop, a 20-minute bus ride, and a 10-minute electric scooter ride to your workplace, you would check options that contain ”public transportation,” ”walk,” and ”electric scooter” below.

When thinking about the modes of transportation that you used for different trips, **please exclude any trips that you made to transport people or goods for pay** (for example, trips made as an Uber, Lyft, or taxi driver, a food or freight delivery driver, etc.).
1 Private vehicle (car, van, carpool, truck, SUV) - as driver or passenger
2 Ride-hailing service (Uber, Lyft, etc.) - as passenger
3 Taxi, limo, hired car service - as passenger
4 Public transportation (i.e. bus, light rail/subway, train, dial-a-ride, etc.) - as passenger
5 Walk, skateboard, or kick scooter
6 Bicycle or bikeshare (non-electric)
7 Electric scooter, electric bike, or electric skateboard (Bird, Lime, etc.)
8 Motorcycle or moped - as driver or passenger
9 Other (shuttle, commercial vehicle, boat, etc.). Please specify:

**tr001_other** (other modes of transportation in last year in section Usage)
STRING

END OF GROUP

IF 4 IN tr001 THEN
GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**tr002** (what public transportation used in section Usage)
You selected public transportation as a transportation mode that you used in the last year to go to places in or around Los Angeles. What specific forms of public transportation did you use? **Please check all that apply.**
1 Bus
2 Metro light rail/subway (Metro Lines A, B, C, D, E, K, and L)
3 Metrolink train
4 Amtrak train
5 Dial-A-Ride (paratransit)
6 Other. Please specify:

**tr002_other** (other public transportation in last year in section Usage)

| STRING

END OF GROUP
END OF IF

/* Respondents are asked a series of transportation related questions per variable asktransportation, itself based on the answers to tr001 and tr002. */

asktransportation := 2

IF 1 IN tr001 OR 2 IN tr001 OR 3 IN tr001 OR 5 IN tr001 OR 6 IN tr001 OR 7 IN tr001 OR 8 IN tr001 THEN
| asktransportation := 1
ELSEIF 4 IN tr001 AND (1 IN tr002 OR 2 IN tr002 OR 3 IN tr002 OR 4 IN tr002 OR 5 IN tr002) THEN
| asktransportation := 1
END OF IF

IF asktransportation = 1 THEN
**tr003_intro** (Section Usage)
The next questions ask you to think about how often and for what purpose you used different transportation modes in a typical month of the last 12 months. If every month is different, think about the most recent month. As you answer these questions, please exclude any trips that you made to transport people or goods for pay (for example, trips made as an Uber, Lyft, or taxi driver, a food or freight delivery driver, etc.).

IF 1 IN tr001 THEN
**tr003** (how many days as passenger in private vehicle in section Usage)
In a typical month of the last 12 months, about how many days did you drive or ride as a passenger in a **private vehicle (car, van, carpool, truck, or SUV)** to go to places in or around Los Angeles County?

Please exclude any ride-hailing (Uber, Lyft, etc.) trips or trips that you made to transport people or goods for pay.
1 Every day
2 Most days per week
3 A few days per week
4 One day per week
5 Less than one day per week

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**tr004** (activities with private vehicle in section Usage)
Now, in that same typical month, what kinds of activities did you use a **private vehicle** (solely or in combination with other forms of transportation, like a bus or train) for? **Please check all that apply.**
1 Job or school related activities (e.g. attending a class, commuting to an office, worksite, or work-related meeting)
2 Personal or caretaking activities (e.g. grocery shopping, errands, medical care, taking child to school, taking a relative to an appointment)
3 Social or leisure activities (e.g. visiting family, seeing a movie, going out to dinner)
4 Transportation to or from the airport
5 Other. Please specify:

**tr004_other** (other activities private vehicle in section Usage)
STRING

END OF GROUP
END OF IF

IF 2 IN tr001 THEN
**tr005** (how many days as passenger in ride-hailing service (Uber, Lyft, etc.) in section Usage)
In a typical month of the last 12 months, about how many days did you use a **ride-hailing service (Uber, Lyft, etc.)**, as a passenger, to go to places in or around Los Angeles County?
1 Every day
2 Most days per week
3 A few days per week
4 One day per week
5 Less than one day per week

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**tr006** (activities with ride-hailing service in section Usage)
Now, in that same typical month, what kinds of activities did you use a **ride-hailing service** (solely or in combination with other forms of transportation, like a bus or train) for? **Please check all that apply.**
1 Job or school related activities (e.g. attending a class, commuting to an office, worksite, or work-related meeting)
2 Personal or caretaking activities (e.g. grocery shopping, errands, medical care, taking child to school, taking a relative to an appointment)
3 Social or leisure activities (e.g. visiting family, seeing a movie, going out to dinner)
4 Transportation to or from the airport
5 Other. Please specify:

**tr006_other** (other activities with ride-hailing service in section Usage)

STRING

END OF GROUP

END OF IF

IF 3 IN tr001 THEN

**tr007** (how many days as passenger in taxi, limo, or hired car service in section Usage)
In a typical month of the last 12 months, about how many days did you use a **taxi, limo, or hired car service**, as a passenger, to go to places in or around Los Angeles County?
1 Every day
2 Most days per week
3 A few days per week
4 One day per week
5 Less than one day per week

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**tr008** (activities with taxi, limo, or hired car service in section Usage)
Now, in that same typical month, what kinds of activities did you use a **taxi, limo, or hired car service** (solely or in combination with other forms of transportation, like a bus or train) for? **Please check all that apply.**
1 Job or school related activities (e.g. attending a class, commuting to an office, worksite, or work-related meeting)
2 Personal or caretaking activities (e.g. grocery shopping, errands, medical care, taking child to school, taking a relative to an appointment)
3 Social or leisure activities (e.g. visiting family, seeing a movie, going out to dinner)
4 Transportation to or from the airport
5 Other. Please specify:

**tr008_other** (other activities with taxi, limo, or hired car service in section Usage)
STRING

END OF GROUP

END OF IF

IF 4 IN tr001 AND 1 IN tr002 THEN

**tr009** (how many days ride in bus in section Usage)
In a typical month of the last 12 months, about how many days did you ride a **public bus** to go to places in or around Los Angeles County?
1 Every day
2 Most days per week
3 A few days per week
4 One day per week

5 Less than one day per week

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**tr010** (activities with bus in section Usage)
Now, in that same typical month, what kinds of activities did you use a **public bus** (solely or in combination with other forms of transportation, like a train or walking) for? **Please check all that apply.**
1 Job or school related activities (e.g. attending a class, commuting to an office, worksite, or work-related meeting)
2 Personal or caretaking activities (e.g. grocery shopping, errands, medical care, taking child to school, taking a relative to an appointment)
3 Social or leisure activities (e.g. visiting family, seeing a movie, going out to dinner)
4 Transportation to or from the airport
5 Other. Please specify:

**tr010_other** (other activities with bus in section Usage)
STRING

END OF GROUP

END OF IF

IF 4 IN tr001 AND 2 IN tr002 THEN

**tr012** (how many days ride metro light rail in section Usage)
In a typical month of the last 12 months, about how many days did you ride the **Metro light rail/subway** to go to places in or around Los Angeles County?
1 Every day
2 Most days per week
3 A few days per week
4 One day per week
5 Less than one day per week

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**tr013** (activities with metro light rail in section Usage)
Now, in that same typical month, what kinds of activities did you use the **Metro light rail/subway** (solely or in combination with other forms of transportation, like a bus or walking) for? **Please check all that apply.**
1 Job or school related activities (e.g. attending a class, commuting to an office, worksite, or work-related meeting)
2 Personal or caretaking activities (e.g. grocery shopping, errands, medical care, taking child to school, taking a relative to an appointment)
3 Social or leisure activities (e.g. visiting family, seeing a movie, going out to dinner)
4 Transportation to or from the airport

5 Other. Please specify:

**tr013_other** (other activities with metro light rail in section Usage)
STRING

END OF GROUP
END OF IF

IF 4 IN tr001 AND (3 IN tr002 OR 4 IN tr002 OR 5 IN tr002) THEN

**tr015** (how many days ride Metrolink train, Amtrak train, or Dial-A-Ride (paratransit) service in section Usage)
In a typical month of the last 12 months, about how many days did you ride a **Metrolink train, Amtrak train, or Dial-A-Ride (paratransit) service** to go to places in or around Los Angeles County?
1 Every day
2 Most days per week
3 A few days per week
4 One day per week
5 Less than one day per week

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**tr016** (activities with Metrolink train, Amtrak train, or Dial-A-Ride (paratransit) service in section Usage)
Now, in that same typical month, what kinds of activities did you use a **Metrolink train, Amtrak train, or Dial-A-Ride (paratransit) service** (solely or in combination with other forms of transportation, like a bus or walking) for? **Please check all that apply.**
1 Job or school related activities (e.g. attending a class, commuting to an office, worksite, or work-related meeting)
2 Personal or caretaking activities (e.g. grocery shopping, errands, medical care, taking child to school, taking a relative to an appointment)
3 Social or leisure activities (e.g. visiting family, seeing a movie, going out to dinner)
4 Transportation to or from the airport
5 Other. Please specify:

**tr016_other** (other activities with metrolink in section Usage)
STRING

END OF GROUP
END OF IF

IF 5 IN tr001 THEN

**tr023** (how many days walk, skateboard, or use a kick scooter in section Usage)
In a typical month of the last 12 months, about how many days did you **walk, skateboard, or use a kick scooter** (solely or in combination with other forms of transportation, like a bus or train) to go to places in or around Los Angeles County?
1 Every day
2 Most days per week
3 A few days per week
4 One day per week
5 Less than one day per week

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**tr024** (activities with walk, skateboard, or use a kick scooter in section Usage)
Now, in that same typical month, what kinds of activities did you **walk, skateboard, or use a kick scooter** (solely or in combination with other forms of transportation, like a bus or train) for? **Please check all that apply.**
1 Job or school related activities (e.g. attending a class, commuting to an office, worksite, or work-related meeting)
2 Personal or caretaking activities (e.g. grocery shopping, errands, medical care, taking child to school, taking a relative to an appointment)
3 Social or leisure activities (e.g. visiting family, seeing a movie, going out to dinner)
4 Transportation to or from the airport
5 Other. Please specify:

**tr024_other** (other activities with walk, skateboard, or use a kick scooter in section Usage)
STRING

END OF GROUP

END OF IF

IF 6 IN tr001 THEN

**tr025** (how many days (non-electric) bicycle or bikeshare in section Usage)
In a typical month of the last 12 months, about how many days did you use a **(non-electric) bicycle or bikeshare** to go to places in or around Los Angeles County?
1 Every day
2 Most days per week
3 A few days per week
4 One day per week
5 Less than one day per week

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**tr026** (activities with (non-electric) bicycle or bikeshare in section Usage)
Now, in that same typical month, what kinds of activities did you use a **(non-electric) bicycle or bikeshare** (solely or in combination with other forms of transportation, like a bus or train) for? **Please check all that apply.**
1 Job or school related activities (e.g. attending a class, commuting to an office, worksite, or work-related meeting)
2 Personal or caretaking activities (e.g. grocery shopping, errands, medical care, taking child to school, taking a relative to an appointment)
3 Social or leisure activities (e.g. visiting family, seeing a movie, going out to dinner)
4 Transportation to or from the airport
5 Other. Please specify:

**tr026_other** (other activities with (non-electric) bicycle or bikeshare in section Usage)
STRING

END OF GROUP
END OF IF

IF 7 IN tr001 THEN

**tr027** (how many days electric scooter, electric bike, or electric skateboard in section Usage)
In a typical month of the last 12 months, about how many days did you use an **electric scooter, electric bike, or electric skateboard** to go to places in or around Los Angeles County?
1 Every day
2 Most days per week
3 A few days per week
4 One day per week
5 Less than one day per week

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**tr028** (activities with electric scooter, electric bike, or electric skateboard in section Usage)
Now, in that same typical month, what kinds of activities did you use an **electric scooter, electric bike, or electric skateboard** (solely or in combination with other forms of transportation, like a bus or train) for? **Please check all that apply.**
1 Job or school related activities (e.g. attending a class, commuting to an office, worksite, or work-related meeting)
2 Personal or caretaking activities (e.g. grocery shopping, errands, medical care, taking child to school, taking a relative to an appointment)
3 Social or leisure activities (e.g. visiting family, seeing a movie, going out to dinner)
4 Transportation to or from the airport

5 Other. Please specify:

**tr028_other** (other activities with electric scooter, electric bike, or electric skateboard in section Usage)
STRING

END OF GROUP
END OF IF

IF 8 IN tr001 THEN
**tr029** (how many days motorcycle or moped in section Usage)
In a typical month of the last 12 months, about how many days did you use a **motorcycle or moped** to go to places in or around Los Angeles County?
1 Every day
2 Most days per week
3 A few days per week
4 One day per week
5 Less than one day per week

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**tr030** (activities with motorcycle or moped in section Usage)
Now, in that same typical month, what kinds of activities did you use a **motorcycle or moped** (solely or in combination with other forms of transportation, like a bus or train) for? **Please check all that apply.**
1 Job or school related activities (e.g. attending a class, commuting to an office, worksite, or work-related meeting)
2 Personal or caretaking activities (e.g. grocery shopping, errands, medical care, taking child to school, taking a relative to an appointment)
3 Social or leisure activities (e.g. visiting family, seeing a movie, going out to dinner)
4 Transportation to or from the airport
5 Other. Please specify:

**tr030_other** (other activities with motorcycle or moped in section Usage)
STRING

END OF GROUP
END OF IF
END OF IF

End of section **Usage**

Start of section **Feedback**

**tr034** (how safe private vehicle in section Feedback)
Please rate the following aspect of driving a **private vehicle (car, van, truck, SUV)** in Los Angeles County. We are interested in how you feel about driving a private vehicle regardless of whether or not you do it regularly:

How **safe** are you from harassment or crime in a private vehicle?
1 Very unsafe
2 Unsafe
3 Somewhat unsafe
4 Neither unsafe nor safe
5 Somewhat safe
6 Safe
7 Very safe

**tr035** (how convenient work or school trips private vehicle in section Feedback)
Please rate the following aspect of driving a **private vehicle (car, van, truck, SUV)** in Los Angeles County. We are interested in how you feel about driving a private vehicle regardless of whether or not you do it regularly:

How **convenient** - in terms of speed, ease of getting to where you are going, and parking - is it to use a private vehicle for **work or school related trips**?
1 Very inconvenient
2 Inconvenient
3 Somewhat inconvenient
4 Neither inconvenient nor convenient
5 Somewhat convenient
6 Convenient
7 Very convenient

**tr036** (how convenient personal or leisure trips private vehicle in section Feedback)
Please rate the following aspect of driving a **private vehicle (car, van, truck, SUV)** in Los Angeles County. We are interested in how you feel about driving a private vehicle regardless of whether or not you do it regularly:

How **convenient** - in terms of speed, ease of getting to where you are going, and parking - is it to use a private vehicle for **personal or leisure trips**?
1 Very inconvenient
2 Inconvenient
3 Somewhat inconvenient
4 Neither inconvenient nor convenient
5 Somewhat convenient
6 Convenient
7 Very convenient

**tr037** (how expensive private vehicle in section Feedback)

Please rate the following aspect of driving a **private vehicle (car, van, truck, SUV)** in Los Angeles County. We are interested in how you feel about driving a private vehicle regardless of whether or not you do it regularly:

How **expensive** is it to use a private vehicle?
1 Very expensive
2 Expensive
3 Somewhat expensive
4 Neither expensive nor inexpensive
5 Somewhat inexpensive
6 Inexpensive
7 Very inexpensive

**tr038** (how enjoyable private vehicle in section Feedback)
Please rate the following aspect of driving a **private vehicle (car, van, truck, SUV)** in Los Angeles County. We are interested in how you feel about driving a private vehicle regardless of whether or not you do it regularly:

How **enjoyable** is it to use a private vehicle?
1 Very unenjoyable
2 Unenjoyable
3 Somewhat unenjoyable
4 Neither unenjoyable nor enjoyable
5 Somewhat enjoyable
6 Enjoyable
7 Very enjoyable

**tr039** (how safe public bus in section Feedback)
Please rate the following aspect of riding a **public bus** in Los Angeles County. We are interested in how you feel about riding a public bus regardless of whether or not you do it regularly:

How **safe** are you from harassment or crime while riding or waiting for the bus?
1 Very unsafe
2 Unsafe
3 Somewhat unsafe
4 Neither unsafe nor safe
5 Somewhat safe
6 Safe
7 Very safe

**tr040** (how convenient work or school trips public bus in section Feedback)
Please rate the following aspect of riding a **public bus** in Los Angeles County. We are interested in how you feel about riding a public bus regardless of whether or not you do it regularly:

How **convenient** - in terms of speed, ease of getting to where you are going, and parking - is it to use the bus for **work or school related trips**?
1 Very inconvenient
2 Inconvenient
3 Somewhat inconvenient
4 Neither inconvenient nor convenient
5 Somewhat convenient
6 Convenient
7 Very convenient

**tr041** (how convenient personal or leisure trips public bus in section Feedback)
Please rate the following aspect of riding a **public bus** in Los Angeles County. We are interested in how you feel about riding a public bus regardless of whether or not you do it regularly:

How **convenient** - in terms of speed, ease of getting to where you are going, and parking - is it to use the bus for **personal or leisure trips**?
1 Very inconvenient
2 Inconvenient
3 Somewhat inconvenient
4 Neither inconvenient nor convenient
5 Somewhat convenient
6 Convenient
7 Very convenient

**tr042** (how expensive public bus in section Feedback)
Please rate the following aspect of riding a **public bus** in Los Angeles County. We are interested in how you feel about riding a public bus regardless of whether or not you do it regularly:

How **expensive** is it to use the bus?
1 Very expensive
2 Expensive
3 Somewhat expensive
4 Neither expensive nor inexpensive
5 Somewhat inexpensive
6 Inexpensive
7 Very inexpensive

**tr043** (how enjoyable public bus in section Feedback)
Please rate the following aspect of riding a **public bus** in Los Angeles County. We are interested in how you feel about riding a public bus regardless of whether or not you do it regularly:

How **enjoyable** is it to use the bus?
1 Very unenjoyable
2 Unenjoyable
3 Somewhat unenjoyable
4 Neither unenjoyable nor enjoyable
5 Somewhat enjoyable
6 Enjoyable
7 Very enjoyable

**tr044** (how safe Metro light rail/subway in section Feedback)
Please rate the following aspect of riding the **Metro light rail/subway** in Los Angeles County. We are interested in how you feel about riding the Metro regardless of whether or not you do it regularly:

How **safe** are you from harassment or crime while riding or waiting for the Metro?
1 Very unsafe
2 Unsafe
3 Somewhat unsafe
4 Neither unsafe nor safe
5 Somewhat safe
6 Safe
7 Very safe

**tr045** (how convenient work or school trips Metro light rail/subway in section Feedback)
Please rate the following aspect of riding the **Metro light rail/subway** in Los Angeles County. We are interested in how you feel about riding the Metro regardless of whether or not you do it regularly:

How **convenient** - in terms of speed, ease of getting to where you are going, and parking - is it to use the Metro for **work or school related trips**?
1 Very inconvenient
2 Inconvenient
3 Somewhat inconvenient
4 Neither inconvenient nor convenient
5 Somewhat convenient
6 Convenient
7 Very convenient

**tr046** (how convenient personal or leisure trips Metro light rail/subway in section Feedback)
Please rate the following aspect of riding the **Metro light rail/subway** in Los Angeles County. We are interested in how you feel about riding the Metro regardless of whether or not you do it regularly:

How **convenient** - in terms of speed, ease of getting to where you are going, and parking

- is it to use the Metro for **personal or leisure trips**?
1 Very inconvenient
2 Inconvenient
3 Somewhat inconvenient
4 Neither inconvenient nor convenient
5 Somewhat convenient
6 Convenient
7 Very convenient

**tr047** (how expensive Metro light rail/subway in section Feedback)
Please rate the following aspect of riding the **Metro light rail/subway** in Los Angeles County. We are interested in how you feel about riding the Metro regardless of whether or not you do it regularly:

How **expensive** is it to use the Metro?
1 Very expensive
2 Expensive
3 Somewhat expensive
4 Neither expensive nor inexpensive
5 Somewhat inexpensive
6 Inexpensive
7 Very inexpensive

**tr048** (how enjoyable Metro light rail/subway in section Feedback)
Please rate the following aspect of riding the **Metro light rail/subway** in Los Angeles County. We are interested in how you feel about riding the Metro regardless of whether or not you do it regularly:

How **enjoyable** is it to use the Metro?
1 Very unenjoyable
2 Unenjoyable
3 Somewhat unenjoyable
4 Neither unenjoyable nor enjoyable
5 Somewhat enjoyable
6 Enjoyable
7 Very enjoyable

**tr049** (how safe ride-hailing service (Uber, Lyft, etc.) in section Feedback)
Please rate the following aspect of using a **ride-hailing service (e.g. Uber, Lyft)** in Los Angeles County. We are interested in how you feel about using a ride-hailing service regardless of whether or not you do it regularly:

How **safe** are you from harassment or crime in a ride-hailing vehicle?
1 Very unsafe
2 Unsafe

3 Somewhat unsafe
4 Neither unsafe nor safe
5 Somewhat safe
6 Safe
7 Very safe

**tr050** (how convenient work or school trips ride-hailing service (Uber, Lyft, etc.) in section Feedback)
Please rate the following aspect of using a **ride-hailing service (e.g. Uber, Lyft)** in Los Angeles County. We are interested in how you feel about using a ride-hailing service regardless of whether or not you do it regularly:

How **convenient** - in terms of speed, ease of getting to where you are going, and parking - is it to use a ride-hailing service for **work or school related trips**?
1 Very inconvenient
2 Inconvenient
3 Somewhat inconvenient
4 Neither inconvenient nor convenient
5 Somewhat convenient
6 Convenient
7 Very convenient

**tr051** (how convenient personal or leisure trips ride-hailing service (Uber, Lyft, etc.) in section Feedback)
Please rate the following aspect of using a **ride-hailing service (e.g. Uber, Lyft)** in Los Angeles County. We are interested in how you feel about using a ride-hailing service regardless of whether or not you do it regularly:

How **convenient** - in terms of speed, ease of getting to where you are going, and parking - is it to use a ride-hailing service for **personal or leisure trips**?
1 Very inconvenient
2 Inconvenient
3 Somewhat inconvenient
4 Neither inconvenient nor convenient
5 Somewhat convenient
6 Convenient
7 Very convenient

**tr052** (how expensive ride-hailing service (Uber, Lyft, etc.) in section Feedback)
Please rate the following aspect of using a **ride-hailing service (Uber, Lyft, etc.)** in Los Angeles County. We are interested in how you feel about using a ride-hailing service regardless of whether or not you do it regularly:

How **expensive** is it to use a ride-hailing service?
1 Very expensive

2 Expensive
3 Somewhat expensive
4 Neither expensive nor inexpensive
5 Somewhat inexpensive
6 Inexpensive
7 Very inexpensive

**tr053** (how enjoyable ride-hailing service (Uber, Lyft, etc.) in section Feedback)
Please rate the following aspect of using a **ride-hailing service (Uber, Lyft, etc.)** in Los Angeles County. We are interested in how you feel about using a ride-hailing service regardless of whether or not you do it regularly:

How **enjoyable** is it to use a ride-hailing service?
1 Very unenjoyable
2 Unenjoyable
3 Somewhat unenjoyable
4 Neither unenjoyable nor enjoyable
5 Somewhat enjoyable
6 Enjoyable
7 Very enjoyable

End of section **Feedback**

Start of section **Availability**

/* The answer about the respondent's housing, per variable pu001, is preloaded from UAS 468. If the respondent did not complete UAS 468 OR they moved since completing UAS 468, it is asked (per variable ask_pu001). Otherwise, the preloaded value is assigned to pu001. */

ask_pu001 := '1'

IF FLLivdate = RESPONSE THEN

**ne001a** (moved to a new place of residence since uas468 completion in section Availability)
Have you moved to a new place of residence (i.e. a new home, apartment, mobile home, car, or street location) **since (end time uas468 livability())** or are you living in the same place?
1 Yes, I have moved to a new place
2 No, I am living in the same place
3 Unsure

IF ne001a IN (1,3) OR ne001a = EMPTY THEN

ask_pu001 := '1'

ELSE
ask_pu001 := '2'
pu001 := preload_pu001
END OF IF
ELSEIF FLLivdate = EMPTY THEN
ask_pu001 := '1'
END OF IF

IF ask_pu001 = 1 THEN
GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**pu001** (type of home currently living in section Availability)
In what type of housing do you currently live?
1 Single-family home
2 Condo or townhome or duplex
3 Apartment, guest house, or dorm
4 Mobile home/trailer
5 Hotel or motel
6 Permanent supportive housing
7 I don't currently have housing (e.g. live in a car, shelter, on the street)
8 Other, please specify:

**pu001_other** (other type of home currently living in section Availability)
STRING

END OF GROUP

IF pu001 IN (1,2,3,4,5,6) AND ask_pu001 != 2 THEN
GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**ne001_month** (month moved to current housing in section Availability)
When did you move to your **current** housing? If you're not sure, please give us your best guess.

If you have lived in your current housing since birth, please respond with the month and year you were born.
1 January
2 February
3 March
4 April
5 May
6 June
7 July
8 August

9 September
10 October
11 November
12 December

**ne001_year** (year moved to current housing in section Availability)
2023 2023
2022 2022
2021 2021
2020 2020
2019 2019
2018 2018
2017 2017
2016 2016
2015 2015
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1922 1922
1921 1921
1920 1920
1919 1919
1918 1918
1917 1917
1916 1916
1915 1915
1914 1914
1913 1913
1912 1912
1911 1911
1910 1910

END OF GROUP

IF ne001_year = 2023 AND ne001_month > date("n") THEN

**ne_error** (Section Availability)
The month and year you chose is in the future. Please go back and correct your answer(s).

END OF IF

**pu002** (currently rent or own in section Availability)
Does your household rent, lease, or own the housing in which you currently live?
1 Rent or lease
2 Own
3 No one in my household pays rent or owns it

ELSEIF pu001 = 7 THEN

**ne001b** (how long since had housing in section Availability)
How long has it been since you had housing?
1 Less than 6 months
2 6-11 months
3 1-2 years
4 3-4 years
5 5 or more years

END OF IF
END OF IF

/* Respondents are asked a series of questions about their home per variable hasresidence, itself based on pu001. */

hasresidence := '2'

IF pu001 = RESPONSE AND pu001 != 7 THEN
hasresidence := '1'
END OF IF

**tr054** (how far home from nearest useful bus stop in section Availability)
About how far from your home is the nearest useful **bus stop**? By "useful," we mean that the bus stop is for a bus line that goes to places you need or want to go.
1 5 minute walk (about 1/4 of a mile)
2 10-15 minute walk (about a half mile to less than a mile)
3 20-30 minute walk (about a mile to two miles)
4 Greater than 30 minute walk (more than 2 miles)
5 I don't know how far the nearest useful bus stop is

**tr055** (how far home from nearest useful metro station in section Availability)
About how far from your home is the nearest useful **Metro light rail/subway station**? By "useful," we mean that the Metro station is for a Metro line that goes to places you need or want to go.
1 5 minute walk (about 1/4 of a mile)
2 10-15 minute walk (about a half mile to less than a mile)
3 20-30 minute walk (about a mile to two miles)
4 Greater than 30 minute walk (more than 2 miles)
5 I don't know how far the nearest useful Metro station is

End of section **Availability**

Start of section **Cost**

**tr061** (how many private vehicles own or lease in section Cost)

How many private vehicles (cars, vans, trucks, or SUVs) in working condition does your household currently own or lease?
0 0
1 1
2 2
3 3
4 4
5 5
6 6
7 7
8 8
9 9
10 10
11 11+

IF tr061 = RESPONSE AND tr061 = 0 THEN
GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**tr062** (why not own or lease private vehicle in section Cost)
Why doesn't your household currently own or lease a car, van, truck, or SUV in working condition? **Please check all that apply.**
1 Too expensive
2 Vehicle(s) need(s) repairs
3 Don't have a valid driver's license
4 Prefer to use other modes of transportation
5 Lack of available parking
6 Ethical/environmental concerns
7 Other. Please specify:

**tr062_other** (other why not own or lease private vehicle in section Cost)
STRING

END OF GROUP
END OF IF

**tr063** (use vehicle in last year in section Cost)
In the last 12 months, did you use a household vehicle (car, van, truck, SUV) to transport people or goods for pay? Examples include driving a household vehicle for Uber or Lyft or driving a household vehicle to make deliveries for companies like Instacart or Postmates.
1 Yes
2 No

**tr064** (how likely buy vehicle in section Cost)
How likely is it that your household will purchase or lease a new or used car, van, truck, or SUV in the next twelve months?

1 Very unlikely
2 Unlikely
3 Somewhat unlikely
4 Neither likely nor unlikely
5 Somewhat likely
6 Likely
7 Very likely

End of section **Cost**

Start of section **Experience**

**tr065** (how difficult find street parking in section Experience)
Please rate how difficult or easy it usually is to find street parking in your neighborhood:
1 Difficult
2 Somewhat difficult
3 Neither difficult nor easy
4 Somewhat easy
5 Easy
6 I don't know/ not applicable

IF hasresidence = 1 THEN

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**tr066_intro** (how many free off street parking with current residence in section Experience)
At your primary residence, how many parking spaces, if any, are included as part of your rent, mortgage, or housing agreement? That is, you do not pay an additional fee beyond for them beyond any rent or mortgage payments.

If you have your own driveway, count the number of cars you can comfortably park in your driveway as the number of driveway parking spaces available to you.

Please select zero if you have none.

**tr066_spaces** (how many parking spaces with current residence in section Experience)
Number of garage, carport, lot, or driveway parking spaces included with primary residence
0 0
1 1
2 2
3 3
4 4
5 5

6 6
7 7
8 8
9 9
10 10
11 11+

**tr066_permits** (how many parking permits with current residence in section Experience)
Number of on-street parking permits
0 0
1 1
2 2
3 3
4 4
5 5
6 6
7 7
8 8
9 9
10 10
11 11+

END OF GROUP
END OF IF

End of section **Experience**

Start of section **Heat**

Fill code of question FLMonth executed
Fill code of question FLMonthLower executed

**ht_intro** (Section Heat)
*The next set of questions asks about your conditions at home and at work, including your exposure to different kinds of weather.*

IF hasresidence = 1 THEN
GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**ht001_intro** (Section Heat)
Which of the following do you have in your current residence, in **working order**?

SUBGROUP OF QUESTIONS

**ht001a** (Central air conditioning in section Heat)
Central air conditioning
1 Yes
2 No
3 Unsure

**ht001b** (Other type of air conditioner (window, portable, etc.) in section Heat)
Other type of air conditioner (window, portable, etc.)
1 Yes
2 No
3 Unsure

**ht001c** (Fan (window, ceiling, portable, etc.) in section Heat)
Fan (window, ceiling, portable, etc.)
1 Yes
2 No
3 Unsure

**ht001d** (Forced heating system (heat coming from vents in the wall or floor) in section Heat)
Forced heating system (heat coming from vents in the wall or floor)
1 Yes
2 No
3 Unsure

**ht001e** (Other type of heater (portable, floor heating, etc.) in section Heat)
Other type of heater (portable, floor heating, etc.)
1 Yes
2 No
3 Unsure

**ht001f** (Gas stove in section Heat)
Gas stove
1 Yes
2 No
3 Unsure

**ht001g** (Electric stove in section Heat)
Electric stove
1 Yes
2 No
3 Unsure

**ht001h** (Induction stove in section Heat)
Induction stove

1 Yes
2 No
3 Unsure

END OF SUBGROUP

END OF GROUP

IF ht001f = 1 THEN
**ht002** (workig vent or range hood gas stove in section Heat)
Is there a working vent or range hood over your gas stove? A vent or range hood removes odors as well as excess heat, steam, or smoke that is released into the air while cooking.
1 Yes
2 No
END OF IF

IF ht001g = 1 THEN
**ht003** (working vent or range hood electric stove in section Heat)
Is there a working vent or range hood over your electric stove? A vent or range hood removes odors as well as excess heat, steam, or smoke that is released into the air while cooking.
1 Yes
2 No
END OF IF

IF ht001h = 1 THEN
**ht004** (workig vent or range hood induction stove in section Heat)
Is there a working vent or range hood over your induction stove? A vent or range hood removes odors as well as excess heat, steam, or smoke that is released into the air while cooking.
1 Yes
2 No
END OF IF
END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**ht006_intro** (Section Heat)
Please rate how strongly you agree or disagree with the following statement:

**ht006a** (enough trees in my neighborhood to provide adequate shade in section Heat)
There are enough trees in my neighborhood to provide adequate shade for walking on a

hot sunny day
1 Agree strongly
2 Agree
3 Agree somewhat
4 Neither agree nor disagree
5 Disagree somewhat
6 Disagree
7 Disagree strongly

END OF GROUP

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**ht006_intro** (Section Heat)
Please rate how strongly you agree or disagree with the following statement:

**ht006b** (bus and/or Metro stops in neighborhood are well-shaded in section Heat)
The bus and/or Metro stops in my neighborhood are well-shaded
1 Agree strongly
2 Agree
3 Agree somewhat
4 Neither agree nor disagree
5 Disagree somewhat
6 Disagree
7 Disagree strongly
8 Not applicable - no stops in my neighborhood

END OF GROUP

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**ht007_intro** (Section Heat)
(**In the past 12 months/Since**, have you visited any of the following places for the **sole purpose** of trying to cool down or get out of **the heat**? Please check all that apply.

SUBGROUP OF QUESTIONS

**ht007a** (Mall or store in section Heat)
Mall or store
1 Yes
2 No
3 Unsure

**ht007b** (Library in section Heat)
Library

1 Yes
2 No
3 Unsure

**ht007c** (Community center in section Heat)
Community center
1 Yes
2 No
3 Unsure

**ht007d** (Senior center in section Heat)
Senior center
1 Yes
2 No
3 Unsure

**ht007e** (Indoor recreation center in section Heat)
Indoor recreation center
1 Yes
2 No
3 Unsure

**ht007f** (Park or other outdoor recreational space in section Heat)
Park or other outdoor recreational space
1 Yes
2 No
3 Unsure

**ht007g** (Home of a friend, neighbor, or family member in section Heat)
Home of a friend, neighbor, or family member
1 Yes
2 No
3 Unsure

**ht007h** (Restaurant, food court, or café in section Heat)
Restaurant, food court, or café
1 Yes
2 No
3 Unsure

**ht007i** (Pool or beach in section Heat)
Pool or beach
1 Yes
2 No

3 Unsure

**ht007j** (other place for shade in section Heat)
Other. Please specify:
1 Yes
2 No
3 Unsure

END OF SUBGROUP

**ht007j_other** (specify other place for shade in section Heat)
STRING

END OF GROUP

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**ht017_intro** (Section Heat)
(**In the past 12 months/Since**, have you visited any of the following places for the **sole purpose** of trying to warm up or get out of **the cold**? Please check all that apply.

SUBGROUP OF QUESTIONS

**ht017a** (cold Mall or store in section Heat)
Mall or store
1 Yes
2 No
3 Unsure

**ht017b** (cold Library in section Heat)
Library
1 Yes
2 No
3 Unsure

**ht017c** (cold Community center in section Heat)
Community center
1 Yes
2 No
3 Unsure

**ht017d** (cold Senior center in section Heat)
Senior center
1 Yes
2 No

3 Unsure

**ht017e** (cold Indoor recreation center in section Heat)
Indoor recreation center
1 Yes
2 No
3 Unsure

**ht017f** (cold Home of a friend, neighbor, or family member in section Heat)
Home of a friend, neighbor, or family member
1 Yes
2 No
3 Unsure

**ht017g** (cold Restaurant, food court, or café in section Heat)
Restaurant, food court, or café
1 Yes
2 No
3 Unsure

**ht017h** (other place for warmth in section Heat)
Other. Please specify:
1 Yes
2 No
3 Unsure

END OF SUBGROUP

**ht017h_other** (specify other place for warmth in section Heat)
STRING

END OF GROUP

currently_working := '2'

IF preload_ts001 = 1 THEN

**wc001** (current labor status in section Heat)
You told us **on (end time uas468 livability())** that you had a job where you worked for pay. Which statement best reflects your current employment status?
1 I am still working in the same job.
2 I lost my job and I am looking for work.
3 I lost my job and I am not looking for work
4 I have been temporarily laid off from the same job.
5 I am on sick leave or other leave from the same job.
6 I am now working at a different job.

7 I am now retired.
8 None of these, please specify:

IF wc001 IN (1,5,6) THEN
currently_working := '1'
END OF IF
ELSE
**wc001a** (current labor status in section Heat)
Which statement best reflects your current employment status?
1 Working
2 Temporarily laid off from my job
3 On sick leave or other leave from my job
4 Unemployed and looking for work
5 Unemployed and not looking for work
6 Retired
7 Student
8 None of these, please specify:

IF wc001a IN (1,3) THEN
currently_working := '1'
END OF IF
END OF IF

IF currently_working = 1 THEN
**wc_intro** (Section Heat)
The next set of questions are about your primary job. If you have multiple jobs, think of the job in which you work the most hours or receive the most pay.

**wc002** (typical week, how many days work in primary job in section Heat)
In a typical week, how many days do you work in your primary job?
0 0 days
1 1 day
2 2 days
3 3 days
4 4 days
5 5 days
6 6 days
7 7 days

IF wc002 $>$ 0 THEN
Fill code of question FL_wc003 executed

**wc003** (typical week, how many days work from home in primary job in section

Heat)
In a typical week, how many days do you work **from home** in your primary job?
0 (0 days)
1 (1 day)
2 (2 days)
3 (3 days)
4 (4 days)
5 (5 days)
6 (6 days)
7 (7 days)

END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**ht016_intro** (Section Heat)
Which of the following conditions do you work in for your primary job? Please check all that apply.

For example, if your job requires you to spend half your work day outdoors under a tent and the other half of your work day outdoors without any covering, you would select both options.

SUBGROUP OF QUESTIONS

**ht016a** (Outdoors, covered by a structure (like a tent, open shed, booth) in section Heat)
Outdoors, covered by a structure (like a tent, open shed, booth)
1 Yes
2 No

**ht016b** (Outdoors, with no cover (exposed to all weather conditions) in section Heat)
Outdoors, with no cover (exposed to all weather conditions)
1 Yes
2 No

**ht016c** (Indoors, inside a building in section Heat)
Indoors, inside a building
1 Yes
2 No

**ht016d** (In a closed vehicle (like a car) in section Heat)
In a closed vehicle (like a car)
1 Yes

2 No

**ht016e** (In an open vehicle (like a tractor) in section Heat)
In an open vehicle (like a tractor)
1 Yes
2 No

END OF SUBGROUP

END OF GROUP

IF ht016c = 1 THEN

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**ht009_intro** (Section Heat)
Are any of the following available at your indoor place(s) of work, including your home if you are currently working from home?

SUBGROUP OF QUESTIONS

**ht009a** (Windows that can be opened in section Heat)
Windows that can be opened
1 Yes
2 No
3 Unsure

**ht009b** (Central air conditioning in section Heat)
Central air conditioning
1 Yes
2 No
3 Unsure

**ht009c** (Other type of air conditioner (window, portable, etc.) in section Heat)
Other type of air conditioner (window, portable, etc.)
1 Yes
2 No
3 Unsure

**ht009d** (Forced heating system (heat coming from vents in the wall or floor) in section Heat)
Forced heating system (heat coming from vents in the wall or floor)
1 Yes
2 No
3 Unsure

**ht009e** (Other type of heater (portable, floor heating, etc.) in section Heat)
Other type of heater (portable, floor heating, etc.)
1 Yes
2 No
3 Unsure

**ht009f** (Fan in section Heat)
Fan
1 Yes
2 No
3 Unsure

END OF SUBGROUP

END OF GROUP

END OF IF

IF ht016a = 1 OR ht016b = 1 THEN

**ht010** (number of hours required to be outdoors in section Heat)
For about how many hours in a typical week are you required to work outdoors for your job?

Please exclude time spent outdoors during your commute to and from work.
2 Less than 1 hour
3 1-2 hours
4 3-5 hours
5 6-10 hours
6 11-15 hours
7 16-20 hours
8 21-25 hours
9 26-30 hours
10 31-35 hours
11 36-40 hours
12 More than 40 hours

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**ht011_intro** (Section Heat)
Are any of the following available to you at your outdoor place(s) of work? Please check all that apply.

SUBGROUP OF QUESTIONS

**ht011a** (Paid sick leave in section Heat)
Paid sick leave
1 Yes
2 No
3 Unsure

**ht011b** (Additional break time on extremely hot days in section Heat)
Additional break time on extremely hot days
1 Yes
2 No
3 Unsure

**ht011c** (Sun protective clothing in section Heat)
Sun protective clothing
1 Yes
2 No
3 Unsure

**ht011d** (Sunscreen in section Heat)
Sunscreen
1 Yes
2 No
3 Unsure

**ht011e** (Hat in section Heat)
Hat
1 Yes
2 No
3 Unsure

**ht011f** (Sunglasses in section Heat)
Sunglasses
1 Yes
2 No
3 Unsure

**ht011g** (Shade from the sun in section Heat)
Shade from the sun
1 Yes
2 No
3 Unsure

**ht011h** (Portable fan in section Heat)
Portable fan
1 Yes

2 No
3 Unsure

**ht011i** (Portable air conditioner in section Heat)
Portable air conditioner
1 Yes
2 No
3 Unsure

**ht011j** (Portable heater in section Heat)
Portable heater
1 Yes
2 No
3 Unsure

END OF SUBGROUP

END OF GROUP
END OF IF

**wc004** (employer have a commuter benefit program in section Heat)
Does your employer have a commuter benefit program? A commuter benefit program reduces transportation costs (like the cost of public transit) for employees using eligible forms of transportation.
1 Yes
2 No
3 I don't know
4 I don't have an employer

IF wc004 = 1 THEN
**wc005** (enrolled in the commuter benefit program provided by employer in section Heat)
Are you enrolled in the commuter benefit program provided by your employer?
1 Yes
2 No
3 Unsure
END OF IF
END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**ht012_intro** (Section Heat)
(**In the past 12 months/Since**, have you experienced any of the following symptoms due to **heat exposure**?

SUBGROUP OF QUESTIONS

**ht012a** (High body temperature (103 F or higher) in section Heat)
High body temperature (103 °F or higher)
1 Yes
2 No
3 Unsure

**ht012b** (Hot, red, dry, or damp skin in section Heat)
Hot, red, dry, or damp skin
1 Yes
2 No
3 Unsure

**ht012c** (Cold, pale, and clammy skin in section Heat)
Cold, pale, and clammy skin
1 Yes
2 No
3 Unsure

**ht012d** (Fast, strong pulse in section Heat)
Fast, strong pulse
1 Yes
2 No
3 Unsure

**ht012e** (Fast, weak pulse in section Heat)
Fast, weak pulse
1 Yes
2 No
3 Unsure

**ht012f** (Headache in section Heat)
Headache
1 Yes
2 No
3 Unsure

**ht012g** (Dizziness in section Heat)
Dizziness
1 Yes
2 No
3 Unsure

**ht012h** (Nausea in section Heat)

Nausea
1 Yes
2 No
3 Unsure

**ht012i** (Vomiting in section Heat)
Vomiting
1 Yes
2 No
3 Unsure

**ht012j** (Confusion in section Heat)
Confusion
1 Yes
2 No
3 Unsure

**ht012k** (Passing out (fainting, losing consciousness) in section Heat)
Passing out (fainting, losing consciousness)
1 Yes
2 No
3 Unsure

**ht012l** (Heavy sweating in section Heat)
Heavy sweating
1 Yes
2 No
3 Unsure

**ht012m** (Muscle pain or spasms in section Heat)
Muscle pain or spasms
1 Yes
2 No
3 Unsure

**ht012n** (Tiredness or weakness in section Heat)
Tiredness or weakness
1 Yes
2 No
3 Unsure

**ht012o** (Sunburn (painful, red, and warm skin; blisters) in section Heat)
Sunburn (painful, red, and warm skin; blisters)
1 Yes
2 No

3 Unsure

**ht012p** (Heat rash (red clusters of small blisters that look like pimples) in section Heat)
Heat rash (red clusters of small blisters that look like pimples)
1 Yes
2 No
3 Unsure

END OF SUBGROUP

END OF GROUP

IF ht012a = 1 OR ht012b = 1 OR ht012c = 1 OR ht012d = 1 OR ht012e = 1 OR ht012f = 1 OR ht012g = 1 OR ht012h = 1 OR ht012i = 1 OR ht012j = 1 OR ht012k = 1 OR ht012l = 1 OR ht012m = 1 OR ht012n = 1 OR ht012o = 1 OR ht012p = 1 THEN

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**ht015_intro** (Section Heat)
(**In the past 12 months/Since /**), how many times did you experience the following symptoms due to **heat exposure**?

SUBGROUP OF QUESTIONS

IF ht012a = 1 THEN

**ht015a** (how often High body temperature (103 F or higher) in section Heat)
High body temperature (103 °F or higher)
1 Once
2 2-3 times
3 4-6 times
4 7-9 times
5 10 or more times

END OF IF

IF ht012b = 1 THEN

**ht015b** (how often Hot, red, dry, or damp skin in section Heat)
Hot, red, dry, or damp skin
1 Once
2 2-3 times
3 4-6 times
4 7-9 times

5 10 or more times

END OF IF

IF ht012c = 1 THEN

**ht015c** (how often Cold, pale, and clammy skin in section Heat)
Cold, pale, and clammy skin
1 Once
2 2-3 times
3 4-6 times
4 7-9 times
5 10 or more times

END OF IF

IF ht012d = 1 THEN

**ht015d** (how often Fast, strong pulse in section Heat)
Fast, strong pulse
1 Once
2 2-3 times
3 4-6 times
4 7-9 times
5 10 or more times

END OF IF

IF ht012e = 1 THEN

**ht015e** (how often Fast, weak pulse in section Heat)
Fast, weak pulse
1 Once
2 2-3 times
3 4-6 times
4 7-9 times
5 10 or more times

END OF IF

IF ht012f = 1 THEN

**ht015f** (how often Headache in section Heat)
Headache
1 Once

2 2-3 times
3 4-6 times
4 7-9 times
5 10 or more times

END OF IF

IF ht012g = 1 THEN

**ht015g** (how often Dizziness in section Heat)
Dizziness
1 Once
2 2-3 times
3 4-6 times
4 7-9 times
5 10 or more times

END OF IF

IF ht012h = 1 THEN

**ht015h** (how often Nausea in section Heat)
Nausea
1 Once
2 2-3 times
3 4-6 times
4 7-9 times
5 10 or more times

END OF IF

IF ht012i = 1 THEN

**ht015i** (how often Vomiting in section Heat)
Vomiting
1 Once
2 2-3 times
3 4-6 times
4 7-9 times
5 10 or more times

END OF IF

IF ht012j = 1 THEN

**ht015j** (how often Confusion in section Heat)
Confusion
1 Once
2 2-3 times
3 4-6 times
4 7-9 times
5 10 or more times

END OF IF

IF ht012k = 1 THEN

**ht015k** (how often Passing out (fainting, losing consciousness) in section Heat)
Passing out (fainting, losing consciousness)
1 Once
2 2-3 times
3 4-6 times
4 7-9 times
5 10 or more times

END OF IF

IF ht012l = 1 THEN

**ht015l** (how often Heavy sweating in section Heat)
Heavy sweating
1 Once
2 2-3 times
3 4-6 times
4 7-9 times
5 10 or more times

END OF IF

IF ht012m = 1 THEN

**ht015m** (how often Muscle pain or spasms in section Heat)
Muscle pain or spasms
1 Once
2 2-3 times
3 4-6 times
4 7-9 times
5 10 or more times

END OF IF

IF ht012n = 1 THEN

**ht015n** (how often Tiredness or weakness in section Heat)
Tiredness or weakness
1 Once
2 2-3 times
3 4-6 times
4 7-9 times
5 10 or more times

END OF IF

IF ht012o = 1 THEN

**ht015o** (how often Sunburn (painful, red, and warm skin; blisters) in section Heat)
Sunburn (painful, red, and warm skin; blisters)
1 Once
2 2-3 times
3 4-6 times
4 7-9 times
5 10 or more times

END OF IF

IF ht012p = 1 THEN

**ht015p** (how often Heat rash (red clusters of small blisters that look like pimples) in section Heat)
Heat rash (red clusters of small blisters that look like pimples)
1 Once
2 2-3 times
3 4-6 times
4 7-9 times
5 10 or more times

END OF IF

END OF SUBGROUP

END OF GROUP
END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**ht014_intro** (Section Heat)
(**In the past 12 months/Since /)**, did you spend one or more nights in the hospital (where you were not in an emergency room) for any of the following heat-related conditions?

SUBGROUP OF QUESTIONS

**ht014a** (hospital heat stroke in section Heat)
Heat stroke
1 Yes
2 No
3 Unsure

**ht014b** (hospital heat exhaustion in section Heat)
Heat exhaustion
1 Yes
2 No
3 Unsure

**ht014c** (hospital fainting due to overheating in section Heat)
Fainting due to overheating
1 Yes
2 No
3 Unsure

**ht014d** (hospital heat cramps in section Heat)
Heat cramps
1 Yes
2 No
3 Unsure

**ht014e** (hospital heat rash in section Heat)
Heat rash
1 Yes
2 No
3 Unsure

END OF SUBGROUP

END OF GROUP

End of section **Heat**

Start of section **Pollution**

**pl001** (taken any medication or used an inhaler for asthma to prevent symptoms in sec-

tion Pollution)
(**In the past 12 months**/**Since** /), have you taken any medication or used an inhaler for asthma to prevent symptoms?
1 Yes
2 No
3 Unsure

**pl002** (how safe air quality in home for breathing in section Pollution)
Most times of the year, how safe do you consider the air quality **in your home** for breathing? If you're not sure, please give your best guess.
1 Very unsafe
2 Unsafe
3 Somewhat unsafe
4 Neither unsafe nor safe
5 Somewhat safe
6 Safe
7 Very safe

**pl003** (how safe air quality in neighborhood for breathing in section Pollution)
Most times of the year, how safe do you consider the air quality **in your neighborhood** for breathing? If you're not sure, please give your best guess.
1 Very unsafe
2 Unsafe
3 Somewhat unsafe
4 Neither unsafe nor safe
5 Somewhat safe
6 Safe
7 Very safe

**pl004** (how safe water quality in neighborhood for drinking in section Pollution)
Most times of the year, how safe do you consider the **quality of the tap water** in your neighborhood for drinking? If you're not sure, please give your best guess.
1 Very unsafe
2 Unsafe
3 Somewhat unsafe
4 Neither unsafe nor safe
5 Somewhat safe
6 Safe
7 Very safe

IF currently_working = 1 THEN

> **pl008** (how safe air quality in places of work for breathing in section Pollution)
> Most times of the year, how safe do you consider the air quality **in your place(s) of work** (including your home if working from home) for breathing? If you're not sure, please give your best guess.

1 Very unsafe
2 Unsafe
3 Somewhat unsafe
4 Neither unsafe nor safe
5 Somewhat safe
6 Safe
7 Very safe

END OF IF

Fill code of question FLMonthLowerSus executed

**pl_intro2** (Section Pollution)
The next few questions ask about the quality of the air you breathe in various places and any concerns you've had (**in the past 12 months/since** about exposure to air pollution.

**pl005** (ever avoid going outside due to wildfire in section Pollution)
(**In the past 12 months/Since**, did you ever avoid going outside because you were concerned about the quality of the air for breathing, **due to a nearby wildfire**?
1 Yes
2 No
3 I don't remember

**pl006** (ever avoid going outside not due to wildfire in section Pollution)
(**In the past 12 months/Since**, did you ever avoid going outside because you were concerned about the quality of the air for breathing, **due to reasons other than a wildfire**?
1 Yes
2 No
3 I don't remember

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**pl007** (ever avoid going specific place because of air quality in section Pollution)
(**In the past 12 months/Since**, did you ever avoid going to a specific place in Los Angeles County because you were concerned about the quality of the air in that place for breathing?
1 Yes. Please specify the place(s) you avoided:
2 No
3 I don't remember

**pl007_specify** (specify ever avoid going specific place because of air quality in section Pollution)
STRING

END OF GROUP

End of section **Pollution**

Start of section **Sustainability**

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**su001_intro** (Section Sustainability)
Please rate how strongly you agree or disagree with the following statements:

SUBGROUP OF QUESTIONS

**st001a** (Climate change is a threat to the well-being of residents in Los Angeles County in section Sustainability)
Climate change is a threat to the well-being of residents in Los Angeles County
1 Strongly disagree
2 Disagree
3 Somewhat disagree
4 Neither agree nor disagree
5 Somewhat agree
6 Agree
7 Strongly agree

**st001b** (Climate change is caused mostly by human activities in section Sustainability)
Climate change is caused mostly by human activities
1 Strongly disagree
2 Disagree
3 Somewhat disagree
4 Neither agree nor disagree
5 Somewhat agree
6 Agree
7 Strongly agree

**st001c** (My individual actions can make a difference in fighting climate change in section Sustainability)
My individual actions can make a difference in fighting climate change
1 Strongly disagree
2 Disagree
3 Somewhat disagree
4 Neither agree nor disagree
5 Somewhat agree
6 Agree
7 Strongly agree

**st001d** (Local government is doing enough to fight climate change in section

Sustainability)
Local government is doing enough to fight climate change
1 Strongly disagree
2 Disagree
3 Somewhat disagree
4 Neither agree nor disagree
5 Somewhat agree
6 Agree
7 Strongly agree

END OF SUBGROUP

END OF GROUP

IF hasresidence = 1 THEN

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**st002_intro** (Section Sustainability)
Which of the following do you have at your current residence?

SUBGROUP OF QUESTIONS

**st002a** (Solar panels in section Sustainability)
Solar panels
1 Yes
2 No
3 Unsure

**st002b** (Solar water heater in section Sustainability)
Solar water heater
1 Yes
2 No
3 Unsure

**st002c** (Wind turbine in section Sustainability)
Wind turbine
1 Yes
2 No
3 Unsure

**st002d** (Geothermal heat pump in section Sustainability)
Geothermal heat pump
1 Yes
2 No

3 Unsure

**st002e** (Fuel-cell equipment in section Sustainability)
Fuel-cell equipment
1 Yes
2 No
3 Unsure

**st002f** (Low-flow plumbing fixtures in section Sustainability)
Low-flow plumbing fixtures
1 Yes
2 No
3 Unsure

**st002g** (Tankless water heater in section Sustainability)
Tankless water heater
1 Yes
2 No
3 Unsure

END OF SUBGROUP

END OF GROUP

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**st002_intro** (Section Sustainability)
Which of the following do you have at your current residence?

SUBGROUP OF QUESTIONS

**st002h** (LED or CFL light bulbs in section Sustainability)
LED or CFL light bulbs
1 Yes
2 No
3 Unsure

**st002i** (Daylights (skylights, light shelves, light tubes, etc.) in section Sustainability)
Daylights (skylights, light shelves, light tubes, etc.)
1 Yes
2 No
3 Unsure

**st002j** (Ceiling fan in section Sustainability)

Ceiling fan
1 Yes
2 No
3 Unsure

**st002k** (Programmable thermostat in section Sustainability)
Programmable thermostat
1 Yes
2 No
3 Unsure

**st002l** (Well-insulated windows and/or doors in section Sustainability)
Well-insulated windows and/or doors
1 Yes
2 No
3 Unsure

**st002m** (Energy-efficient appliances and/or electronics in section Sustainability)
Energy-efficient appliances and/or electronics
1 Yes
2 No
3 Unsure

**st002n** (Energy-efficient landscaping in section Sustainability)
Energy-efficient landscaping
1 Yes
2 No
3 Unsure

END OF SUBGROUP

END OF GROUP
END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**st003_intro** (Section Sustainability)
Please rate how often you...

SUBGROUP OF QUESTIONS

**st003a** (recycle in section Sustainability)
Recycle
1 Never

2 Rarely
3 Sometimes
4 Often
5 Very often

**st003b** (compost in section Sustainability)
Compost
1 Never
2 Rarely
3 Sometimes
4 Often
5 Very often

**st003c** (limit your car usage in section Sustainability)
Limit your car usage
1 Never
2 Rarely
3 Sometimes
4 Often
5 Very often

**st003d** (limit your water usage in section Sustainability)
Limit your water usage
1 Never
2 Rarely
3 Sometimes
4 Often
5 Very often

**st003e** (limit your electricity usage in section Sustainability)
Limit your electricity usage
1 Never
2 Rarely
3 Sometimes
4 Often
5 Very often

**st003f** (limit your food waste in section Sustainability)
Limit your food waste
1 Never
2 Rarely
3 Sometimes
4 Often
5 Very often

**st003g** (limit or eliminate your consumption of meat in section Sustainability)
Limit or eliminate your consumption of meat
1 Never
2 Rarely
3 Sometimes
4 Often
5 Very often

**st003h** (buy or eat food grown in southern California in section Sustainability)
Buy or eat food grown in southern California
1 Never
2 Rarely
3 Sometimes
4 Often
5 Very often

END OF SUBGROUP

END OF GROUP

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**st003_intro** (Section Sustainability)
Please rate how often you...

SUBGROUP OF QUESTIONS

**st003i** (buy or eat organic food in section Sustainability)
Buy or eat organic food
1 Never
2 Rarely
3 Sometimes
4 Often
5 Very often

**st003j** (buy or eat sustainably-sourced food (food produced in an environmentally friendly way) in section Sustainability)
Buy or eat sustainably-sourced food (food produced in an environmentally friendly way)
1 Never
2 Rarely
3 Sometimes
4 Often
5 Very often

**st003k** (buy or eat low- or un-processed food in section Sustainability)

Buy or eat low- or un-processed food
1 Never
2 Rarely
3 Sometimes
4 Often
5 Very often

**st003l** (limit your use of food and products that come in a lot of packaging in section Sustainability)
Limit your use of food and products that come in a lot of packaging
1 Never
2 Rarely
3 Sometimes
4 Often
5 Very often

**st003m** (limit your use of plastic in section Sustainability)
Limit your use of plastic
1 Never
2 Rarely
3 Sometimes
4 Often
5 Very often

**st003p** (hang your clothes to dry instead of using the dryer in section Sustainability)
Hang your clothes to dry instead of using the dryer
1 Never
2 Rarely
3 Sometimes
4 Often
5 Very often

**st003q** (limit your use of air conditioning, even when it is hot in section Sustainability)
Limit your use of air conditioning, even when it is hot
1 Never
2 Rarely
3 Sometimes
4 Often
5 Very often

END OF SUBGROUP

END OF GROUP

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**st004_intro** (Section Sustainability)
Have you heard or read about any of the following federal or state subsidies?

SUBGROUP OF QUESTIONS

**st004a** (Tax credit for owning or leasing an electric car in section Sustainability)
Tax credit for owning or leasing an electric car
1 Yes
2 No
3 Unsure

**st004b** (Cash rebate for owning or leasing an electric car in section Sustainability)
Cash rebate for owning or leasing an electric car
1 Yes
2 No
3 Unsure

**st004c** (Tax credit for installing solar panels, solar water heaters, wind turbines, geothermal heat pumps, fuel-cell equipment in section Sustainability)
Tax credit for installing solar panels, solar water heaters, wind turbines, geothermal heat pumps, fuel-cell equipment
1 Yes
2 No
3 Unsure

**st004d** (Tax credit for improving energy efficiency of home (e.g. better insulation, appliances) in section Sustainability)
Tax credit for improving energy efficiency of home (e.g. better insulation, appliances)
1 Yes
2 No
3 Unsure

END OF SUBGROUP

END OF GROUP

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**us001_intro** (Section Usage)
Do you currently own or lease the following cars?

SUBGROUP OF QUESTIONS

**us001a** (own/lease electric car in section Usage)
Electric car
1 Yes
2 No

**us001b** (own/lease hydrogen car in section Usage)
Hydrogen car
1 Yes
2 No

**us001c** (own/lease hybrid car in section Usage)
Hybrid car
1 Yes
2 No

END OF SUBGROUP

END OF GROUP

**us002** (how likely is next car purchase an electric car in section Usage)
How likely is it that the next car you purchase or lease will be an **hybrid, electric, or hydrogen car**?
1 Very unlikely
2 Unlikely
3 Somewhat unlikely
4 Somewhat likely
5 Likely
6 Very likely
7 Not applicable - I do not plan to purchase or lease another car

End of section **Sustainability**

Start of section **Resilience**

**ds001** (how prepared for natural disaster in section Resilience)
How prepared do you think your household is for an earthquake or other natural disaster?
1 Not at all prepared
2 Slightly prepared
3 Moderately prepared
4 Very prepared
5 Extremely prepared

**im001** (experienced impacts due to natural disaster in section Resilience)
(**In the past 12 months/Since**, have you experienced any of the following due to a natural disaster, such as a wildfire, flooding, or extreme heat? Please check all that apply.
1 Loss of income due to inability to work
2 Health problem(s)
3 Loss or destruction of property
4 Loss or destruction of possessions
5 Increased utility expenses
6 Temporary evacuation
7 None of the above

IF im001 = RESPONSE AND im001 != 7 THEN

Fill code of question FLList executed

**im002** (natural disaster difficult to afford household expenses in section Resilience)
(**In the past 12 months/Since**, did the
(Loss of income due to inability to work /Health problem(s)/Loss or destruction of property /Loss or destruction of possessions/Increased utility expenses/Temporary evacuation /)brought on by a natural disaster make it difficult for you to afford household expenses like housing and food?
1 Yes
2 No
3 Unsure

END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**im003_intro** (Section Resilience)
(**In the past 12 months/Since**, have you experienced any of the following mental or emotional health problems due to a natural disaster, such as a wildfire, flooding, or extreme heat?

SUBGROUP OF QUESTIONS

**im003a** (Anxiety due to natural disaster in section Resilience)
Anxiety
1 Yes
2 No

**im003b** (Depression due to natural disaster in section Resilience)
Depression
1 Yes
2 No

**im003c** (Prolonged fatigue due to natural disaster in section Resilience)

Prolonged fatigue
1 Yes
2 No

**im003d** (High stress due to natural disaster in section Resilience)
High stress
1 Yes
2 No

END OF SUBGROUP

END OF GROUP

End of section **Resilience**

Start of section **Politics**

IF citizenus = EMPTY THEN
**citizenus** (R CITIZEN US in section Demographics)
Are you a citizen of the United States?
1 Yes
2 No
END OF IF

IF citizenus = 1 THEN
**lapol2** (currently registered to vote in precinct where now live in section Politics)
Are you currently registered to vote in the precinct where you now live?
1 Yes, I am certain that I am registered to vote at my current address
2 Yes, I am pretty sure I am registered at my current address
3 No, I am not registered
4 I am not not sure if I am registered at my current address
5 Does not apply to me, as I am not a citizen

**lapol1** ( currently live within limits of city of Los Angeles in section Politics)
Do you currently live within the limits of the city of Los Angeles?
1 Yes
2 No
3 Unsure

IF lapol2 IN (1,2) THEN
IF lapol1 = 1 THEN
**lapol5** (vote for candidate for Mayor of Los Angeles in 2022 election in section Politics)
Did you vote for a candidate for Los Angeles County Sheriff in the election on

November 8, 2022?
1 Yes
2 No
3 Unsure

IF lapol5 = 1 THEN

**lapol6** (who vote for in 2022 election for Mayor of Los Angeles in section Politics)
Who did you vote for in the election for Mayor of Los Angeles?
1 Karen Bass
2 Rick Caruso
3 Not sure

END OF IF

END OF IF

**lapol8** (vote for candidate for Sheriff of Los Angeles County in 2022 election in section Politics)
Did you vote for a candidate for Los Angeles County Sheriff in the election on November 8, 2022?
1 Yes
2 No
3 Unsure

IF lapol8 = 1 THEN

**lapol9** (who vote for in 2022 election for Sheriff of Los Angeles County in section Politics)
Who did you vote for in the election for Los Angeles County Sheriff?
1 Robert Luna
2 Alex Villanueva
3 Not sure

END OF IF

END OF IF

END OF IF

End of section **Politics**

Start of section **Closing**

**CS_001** (HOW PLEASANT INTERVIEW in section Closing)
Could you tell us how interesting or uninteresting you found the questions in this survey?
1 Very interesting
2 Interesting
3 Neither interesting nor uninteresting
4 Uninteresting
5 Very uninteresting

**CS_003** (comments in section Closing)
Do you have any other comments on the survey? Please type these in the box below. (If you have no comments, please click next to complete this survey.)
STRING

End of section **Closing**

/* Please note that although question CS_003 is listed in the routing, the answers are not included in the microdata in the event identifiable information is captured. Cleaned responses are available by request. */