UnderStandingAmericaStudy

UAS 379: LA BAROMETER: MOBILITY WAVE 2

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1 INTRODUCTION

This UAS panel survey, titled "UAS379: LA Barometer: Mobility Wave 2" is the second of the second wave of surveys sponsored by Union Bank as part of the LA Barometer project. Related surveys are UAS194, UAS199, UAS219, UAS286, UAS312 adn UAS320. This survey is no longer in the field.

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: Crime, Diet Lifestyle, Housing. A complete survey topic categorization for the UAS can be found here.

1.2 Experiments

This survey includes experiment(s) of the following type(s): Auxiliary Randomization. Please refer to explanatory comments in the Routing section for detailed information. 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 1713 UAS participants. Of those 1713 participants, 1337 completed the survey and are counted as respondents. Of those who are not counted as respondents, 8 started the survey without completing and 368 did not start the survey. The overall response rate was 78.05%.

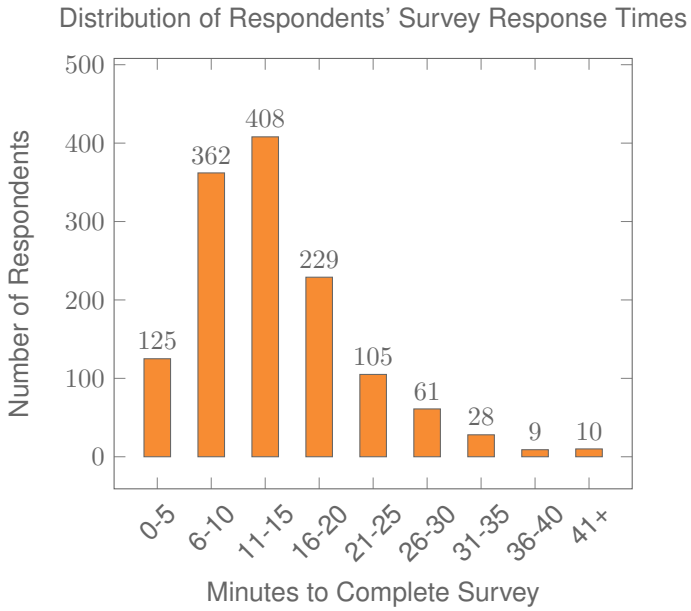
Note: We are unable to provide sample weights for a small number of UAS members (see the Sample and weighting section below for details). If they completed the survey, these members are included in the data set with a weight of zero, but accounted for in the computation of total sample size and survey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

The detailed survey response rate is as follows:

UAS379 - Response Overview	
Size of selected sample	1713
Completed the survey	1337
Started but did not complete the survey	8
Did not start the survey	368
Response rate	78.05%

2.2 Timings

The survey took respondents an average of 14 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

Start of section **Moves**

mv001 (currently live in Los Angeles County in section Moves)
Do you currently live in Los Angeles County?
1 Yes
2 No

IF mv001 = 2 THEN

mv002 (previously live in Los Angeles County in section Moves)
Did you previously live in Los Angeles County?
1 Yes
2 No

IF mv002 = 1 THEN

mv003 (why left Los Angeles County in section Moves)
We are interested in why people choose to leave and stay in Los Angeles County. In a few sentences, could you tell us the main reason(s) why you left Los Angeles County?
STRING

mv004 (plan to return to live in Los Angeles County in the future in section Moves)
Do you plan to return to live in Los Angeles County in the future?
1 Yes
2 No
3 Unsure

earlyexit (Section Moves)
Thank you, that is all of our questions at this time. We will contact you again when we have another survey.

Click ”Next” to return to your panel member pages.

dummy := doPayout(1)
Exit the survey

ELSE

earlyexit2 (Section Moves)
Thank you. This survey is for residents of Los Angeles County. We will let you know when another survey is available.

Click ”Next” to return to your panel member pages.

dummy := doPayout(1)

| | Exit the survey
| END OF IF
END OF IF

End of section **Moves**

Start of section **Usage**

tr_intro (Section Usage)
We would like to learn more about how people travel to and from places in Los Angeles County and how they feel about the transportation modes available to them. Thank you for your participation in this important study about where we live.

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 Red, Green, Gold, Purple, A (Blue), and E (Expo) Lines)
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

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 this past year. 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 this past year, 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 this past year, 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 this past year, 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 1 IN tr002 THEN

tr009 (how many days ride in bus in section Usage)
In a typical month this past year, 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

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

tr011 (travel to and from bus stop in section Usage)
During that typical month, how did you get to and from the **bus stop(s)** that you used? **Please check all that apply.**

If you typically transferred to or from another bus line or another mode of public transportation (like the Metro), be sure to include how you got from one stop or station to another. For example, some people transfer from the bus to the Metro by walking or bicycling from their bus stop to a Metro station.
1 Walking

2 Skateboard or kick scooter
3 Bicycle or bikeshare (non-electric)
4 Electric scooter, electric bike, or electric skateboard (Bird, Lime, etc.)
5 Motorcycle or moped
6 Ride-hailing service (Uber, Lyft, etc.)
7 Private car, carpool, van, truck, SUV - parked nearby
8 Private car, carpool, van, truck, SUV - dropped off
9 Taxi, limo, or hired car service
10 Public transportation (bus, light rail/subway, train, dial-a-ride, etc.)
11 Other. Please specify:

tr011_other (other travel to and from bus stop in section Usage)
STRING

END OF GROUP

END OF IF

IF 2 IN tr002 THEN

tr012 (how many days ride metro light rail in section Usage)
In a typical month this past year, 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

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

tr014 (travel to and from metro light rail in section Usage)
During that typical month, how did you travel to and from the **Metro light rail/subway station(s)** that you used? **Please check all that apply.**

If you typically transferred to or from another Metro line or another mode of public transportation (like the bus), be sure to include how you got from one stop or station to another. For example, some people transfer from the Metro to the bus by walking or bicycling from their Metro station to a bus stop.
1 Walking
2 Skateboard or kick scooter
3 Bicycle or bikeshare (non-electric)
4 Electric scooter, electric bike, or electric skateboard (Bird, Lime, etc.)
5 Motorcycle or moped
6 Ride-hailing service (Uber, Lyft, etc.)
7 Private car, carpool, van, truck, SUV - parked nearby
8 Private car, carpool, van, truck, SUV - dropped off
9 Taxi, limo, or hired car service
10 Public transportation (bus, light rail/subway, train, dial-a-ride, etc.)
11 Other. Please specify:

tr014_other (other travel to and from metro light rail in section Usage)
STRING

END OF GROUP

END OF IF

IF 3 IN tr002 THEN

tr015 (how many days ride metrolink in section Usage)
In a typical month this past year, about how many days did you ride a **Metrolink 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

tr016 (activities with metrolink in section Usage)
Now, in that same typical month, what kinds of activities did you use a **Metrolink train** (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

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

tr017 (travel to and from metrolink in section Usage)
During that typical month, how did you travel to and from the **Metrolink train station(s)** that you used? **Please check all that apply.**

If you typically transferred to or from another Metrolink line or another mode of public transportation (like the bus), be sure to include how you got from one stop or station to another. For example, some people transfer from the Metrolink train to the bus by walking or bicycling from their Metrolink station to a bus stop.
1 Walking
2 Skateboard or kick scooter
3 Bicycle or bikeshare (non-electric)
4 Electric scooter, electric bike, or electric skateboard (Bird, Lime, etc.)
5 Motorcycle or moped
6 Ride-hailing service (Uber, Lyft, etc.)
7 Private car, carpool, van, truck, SUV - parked nearby
8 Private car, carpool, van, truck, SUV - dropped off
9 Taxi, limo, or hired car service
10 Public transportation (bus, light rail/subway, train, dial-a-ride, etc.)
11 Other. Please specify:

tr017_other (other travel to and from metrolink in section Usage)
STRING

END OF GROUP
END OF IF

IF 4 IN tr002 THEN

tr018 (how many days ride amtrak in section Usage)
In a typical month this past year, about how many days did you ride an **Amtrak 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

tr019 (activities with amtrak in section Usage)
Now, in that same typical month, what kinds of activities did you use an **Amtrak train** (solely or in combination with 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:

tr019_other (other activities with amtrak in section Usage)
STRING

END OF GROUP

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

tr020 (travel to and from amtrak in section Usage)
During that typical month, how did you travel to and from the **Amtrak train station(s)** that you used? **Please check all that apply.**

If you typically transferred to or from another Amtrak line or another mode of public transportation (like the bus), be sure to include how you got from one stop or station to another. For example, some people transfer from the Amtrak train to the bus by walking or bicycling from their Amtrak station to a bus stop.
1 Walking
2 Skateboard or kick scooter
3 Bicycle or bikeshare (non-electric)
4 Electric scooter, electric bike, or electric skateboard (Bird, Lime, etc.)
5 Motorcycle or moped
6 Ride-hailing service (Uber, Lyft, etc.)
7 Private car, carpool, van, truck, SUV - parked nearby

8 Private car, carpool, van, truck, SUV - dropped off
9 Taxi, limo, or hired car service
10 Public transportation (bus, light rail/subway, train, dial-a-ride, etc.)
11 Other. Please specify:

tr020_other (other travel to and from amtrak in section Usage)
STRING

END OF GROUP
END OF IF

IF 5 IN tr002 THEN
tr021 (how many days ride Dial-A-Ride (paratransit) service in section Usage)
In a typical month this past year, about how many days did you use a **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

tr022 (activities with Dial-A-Ride (paratransit) service in section Usage)
Now, in that same typical month, what kinds of activities did you use a **Dial-A-Ride (paratransit) 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:

tr022_other (other activities with Dial-A-Ride (paratransit) service 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 this past year, 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 this past year, 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 this past year, 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 this past year, 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**

tr031 (feel about the public transportation system in Los Angeles County in section Feedback)
We are interested in understanding how people feel and think about transportation in Los Angeles County.

Overall, how do you feel about the public transportation system in Los Angeles County? Please use the textbox below to respond.
STRING

tr032 (feel about having or using car in Los Angeles County in section Feedback)
Overall, how do you feel about having or using a car in Los Angeles County? Please use the textbox below to respond.
STRING

tr033 (people in social circle use public transportation in section Feedback)
If you had to guess, about how many people in your social circle in Los Angeles County, including close friends, family, and/or colleagues, use public transportation (bus, train, subway, light rail, local shuttles) with some regularity (at least once a week)?
1 All of them
2 Most of them
3 Half of them
4 A few of them
5 None of them
6 Don't know / Not applicable

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**

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

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

tr056_intro (Section Availability)
To the best of your knowledge, which of the following businesses/services are within about a 15-minute walk of your residence? **Please check all that apply.**

SUBGROUP OF QUESTIONS

tr056a (convenience store in section Availability)
Convenience store
1 Yes
2 No
3 I don’t know

tr056b (child care center in section Availability)
Child care center
1 Yes
2 No
3 I don’t know

tr056c (senior center in section Availability)

Senior center
1 Yes
2 No
3 I don't know

tr056d (drug store (CVS, RiteAid, etc.) in section Availability)
Drug store (CVS, RiteAid, etc.)
1 Yes
2 No
3 I don't know

tr056e (medical care (hospital, urgent care, dentist, etc.) in section Availability)
Medical care (hospital, urgent care, dentist, etc.)
1 Yes
2 No
3 I don't know

tr056f (grocery store in section Availability)
Grocery store
1 Yes
2 No
3 I don't know

END OF SUBGROUP

END OF GROUP

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

tr056_intro (Section Availability)
To the best of your knowledge, which of the following businesses/services are within about a 15-minute walk of your residence? **Please check all that apply.**

SUBGROUP OF QUESTIONS

tr056g (boutique clothing store in section Availability)
Boutique clothing store
1 Yes
2 No
3 I don't know

tr056h (restaurants and cafes in section Availability)
Restaurants and cafes
1 Yes

2 No
3 I don't know

tr056i (gym in section Availability)
Gym
1 Yes
2 No
3 I don't know

tr056j (arts/entertainment venue (movie theater, live music venue, etc.) in section Availability)
Arts/entertainment venue (movie theater, live music venue, etc.)
1 Yes
2 No
3 I don't know

tr056k (department store (Macy's, Nordstrom, Marshall's, etc.) in section Availability)
Department store (Macy's, Nordstrom, Marshall's, etc.)
1 Yes
2 No
3 I don't know

tr056l (big box store (Walmart, Target, etc.) in section Availability)
Big box store (Walmart, Target, etc.)
1 Yes
2 No
3 I don't know

END OF SUBGROUP

END OF GROUP

tr057a (difficulty finding scooters for rent in section Availability)
How difficult or easy is it for people to find **scooters** for rent in your neighborhood?
1 Difficult
2 Somewhat difficult
3 Neither difficult nor easy
4 Somewhat easy
5 Easy
6 Don't know

tr058a (increase or decrease number of scooters in section Availability)
Would you like to see the number of **scooters** for rent in your neighborhood decrease, remain the same, or increase?

1 Decrease
2 Remain the same
3 Increase
4 No opinion/Don't know

tr057b (difficulty finding bicycles for rent in section Availability)
How difficult or easy is it for people to find **bicycles** for rent in your neighborhood?
1 Difficult
2 Somewhat difficult
3 Neither difficult nor easy
4 Somewhat easy
5 Easy
6 Don't know

tr058b (increase or decrease number of bicycles in section Availability)
Would you like to see the number of **bicycles** for rent in your neighborhood decrease, remain the same, or increase?
1 Decrease
2 Remain the same
3 Increase
4 No opinion/Don't know

IF sizeof(tr059_order) = 0 THEN

tr059_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))
tr059_order(16) := 16

END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

tr059 (biggest concerns bus system in section Availability)
What are your biggest concerns or issues with using the **bus system** in Los Angeles County? You may check up to five.
1 Lack of safety on the bus
2 Lack of safety while getting to or waiting for the bus
3 Collisions or accidents
4 No bus stops close to where I live or spend time
5 Transit time is too long
6 Service is not frequent enough
7 Service is not reliable enough
8 Too many transfers necessary
9 Cost is too high
10 Not enjoyable to ride
11 Lack of cleanliness

12 Difficulty understanding the bus system
13 Bus is too crowded
14 Uncomfortable with behavior of other bus riders
15 Physically unable to use the bus
16 Other. Please specify:

tr059_other (other biggest concerns bus system in section Availability)
STRING

END OF GROUP

IF sizeof(tr060_order) = 0 THEN
tr060_order := tr059_order
END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

tr060 (biggest concerns Metro system in section Availability)
What are your biggest concerns or issues with using the **Metro light rail/subway** in Los Angeles County? You may check up to five.
1 Lack of safety on the Metro
2 Lack of safety while getting to or waiting for the Metro
3 Collisions or accidents
4 No Metro stops close to where I live or spend time
5 Transit time is too long
6 Service is not frequent enough
7 Service is not reliable enough
8 Too many transfers necessary
9 Cost is too high
10 Not enjoyable to ride
11 Lack of cleanliness
12 Difficulty understanding the Metro system
13 Metro is too crowded
14 Uncomfortable with behavior of other Metro riders
15 Physically unable to use the Metro
16 Other. Please specify:

tr060_other (other biggest concerns Metro system in section Availability)
STRING

END OF GROUP

End of section **Availability**

Start of section **Cost**

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

tr060_intro (Section Cost)
On average, how much money does your household typically spend on the following transportation costs per month?

SUBGROUP OF QUESTIONS

tr060a (Car/auto payment(s) (loan or lease) in section Cost)
Car/auto payment(s) (loan or lease)
0 $0
1 $1 - $50
2 $51 - $100
3 $101 - $300
4 $301 - $500
5 $501 - $700
6 $701 - $1000
7 $1001 - $1500
8 $1501 - $2000
9 $2501 - $3000
10 $3001+

tr060b (Car/auto insurance in section Cost)
Car/auto insurance
0 $0
1 $1 - $50
2 $51 - $100
3 $101 - $300
4 $301 - $500
5 $501 - $700
6 $701 - $1000
7 $1001 - $1500
8 $1501 - $2000
9 $2501 - $3000
10 $3001+

tr060c (gas in section Cost)
Gas
0 $0
1 $1 - $50
2 $51 - $100
3 $101 - $300
4 $301 - $500
5 $501 - $700

6 $701 - $1000
7 $1001 - $1500
8 $1501 - $2000
9 $2501 - $3000
10 $3001+

tr060d (parking in section Cost)
Parking
0 $0
1 $1 - $50
2 $51 - $100
3 $101 - $300
4 $301 - $500
5 $501 - $700
6 $701 - $1000
7 $1001 - $1500
8 $1501 - $2000
9 $2501 - $3000
10 $3001+

tr060e (Public transit (tickets for bus, light rail/subway, train, etc.) in section Cost)
Public transit (tickets for bus, light rail/subway, train, etc.)
0 $0
1 $1 - $50
2 $51 - $100
3 $101 - $300
4 $301 - $500
5 $501 - $700
6 $701 - $1000
7 $1001 - $1500
8 $1501 - $2000
9 $2501 - $3000
10 $3001+

END OF SUBGROUP

END OF GROUP

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 year, 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

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, lease, or mortgage? That is, you do not pay an additional fee beyond what may be included in your rent or mortgage payment.

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

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

tr067_intro (Section Experience)
In the last year, have you **intentionally reduced or increased your use** of any of the following transportation modes to go to places in or around Los Angeles County?

SUBGROUP OF QUESTIONS

tr067a (changed walking in section Experience)
Walking
1 No / Not applicable
2 Yes, reduced use
3 Yes, increased use

tr067b (changed skateboard or kick scooter in section Experience)
Skateboard or kick scooter
1 No / Not applicable
2 Yes, reduced use
3 Yes, increased use

tr067c (changed bicycle or bikeshare (non-electric) in section Experience)
Bicycle or bikeshare (non-electric)
1 No / Not applicable
2 Yes, reduced use
3 Yes, increased use

tr067d (changed electric scooter, electric bike, or electric skateboard (Bird, Lime,

etc.) in section Experience)
Electric scooter, electric bike, or electric skateboard (Bird, Lime, etc.)
1 No / Not applicable
2 Yes, reduced use
3 Yes, increased use

tr067e (changed motorcycle or moped in section Experience)
Motorcycle or moped
1 No / Not applicable
2 Yes, reduced use
3 Yes, increased use

tr067f (changed private car, van, carpool, truck, SUV in section Experience)
Private car, van, carpool, truck, SUV
1 No / Not applicable
2 Yes, reduced use
3 Yes, increased use

END OF SUBGROUP

END OF GROUP

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

tr067_intro (Section Experience)
In the last year, have you **intentionally reduced or increased your use** of any of the following transportation modes to go to places in or around Los Angeles County?

SUBGROUP OF QUESTIONS

tr067g (changed ride-hailing service (Uber, Lyft, etc.) in section Experience)
Ride-hailing service (Uber, Lyft, etc.)
1 No / Not applicable
2 Yes, reduced use
3 Yes, increased use

tr067h (changed taxi, limo, or hired car service in section Experience)
Taxi, limo, or hired car service
1 No / Not applicable
2 Yes, reduced use
3 Yes, increased use

tr067i (changed metro light rail/subway in section Experience)
Metro light rail/subway
1 No / Not applicable

2 Yes, reduced use
3 Yes, increased use

tr067j (changed public bus in section Experience)
Public bus
1 No / Not applicable
2 Yes, reduced use
3 Yes, increased use

tr067k (changed metrolink or Amtrak train in section Experience)
Metrolink or Amtrak train
1 No / Not applicable
2 Yes, reduced use
3 Yes, increased use

tr067l (changed dial-A-Ride (paratransit) in section Experience)
Dial-A-Ride (paratransit)
1 No / Not applicable
2 Yes, reduced use
3 Yes, increased use

END OF SUBGROUP

END OF GROUP

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

tr068_intro (Section Experience)
In the last year, for each of the following types of activities in Los Angeles County, please indicate how often, if ever, you missed attending or doing the activity **specifically because you did not have access to affordable transportation**.

SUBGROUP OF QUESTIONS

tr068a (affordable missed work or school related activities in section Experience)
Work or school related activities (if employed or student)
1 Never
2 Rarely
3 Sometimes
4 Often
5 Very often
6 Not applicable

tr068b (affordable missed personal or family medical care (doctor's appointment, urgent care, etc.) in section Experience)

Personal or family medical care (doctor's appointment, urgent care, etc.)
1 Never
2 Rarely
3 Sometimes
4 Often
5 Very often
6 Not applicable

tr068c (affordable missed social or leisure activities (going to a movie, visiting friends, etc.) in section Experience)
Social or leisure activities (going to a movie, visiting friends, etc.)
1 Never
2 Rarely
3 Sometimes
4 Often
5 Very often
6 Not applicable

tr068d (affordable missed shopping trips or errands (grocery shopping, etc.) in section Experience)
Shopping trips or errands (grocery shopping, etc.)
1 Never
2 Rarely
3 Sometimes
4 Often
5 Very often
6 Not applicable

END OF SUBGROUP

END OF GROUP

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

tr069_intro (Section Experience)
In the last year, for each of the following types of activities in Los Angeles County, please indicate how often, if ever, you missed attending or doing the activity **specifically because the travel times were too long** (e.g. because of bad traffic or slow public transportation service).

SUBGROUP OF QUESTIONS

tr069a (too long missed work or school related activities in section Experience)
Work or school related activities (if employed or student)
1 Never

2 Rarely
3 Sometimes
4 Often
5 Very often
6 Not applicable

tr069b (too long missed personal or family medical care (doctor's appointment, urgent care, etc.) in section Experience)
Personal or family medical care (doctor's appointment, urgent care, etc.)
1 Never
2 Rarely
3 Sometimes
4 Often
5 Very often
6 Not applicable

tr069c (too long missed social or leisure activities (going to a movie, visiting friends, etc.) in section Experience)
Social or leisure activities (going to a movie, visiting friends, etc.)
1 Never
2 Rarely
3 Sometimes
4 Often
5 Very often
6 Not applicable

tr069d (too long missed shopping trips or errands (grocery shopping, etc.) in section Experience)
Shopping trips or errands (grocery shopping, etc.)
1 Never
2 Rarely
3 Sometimes
4 Often
5 Very often
6 Not applicable

END OF SUBGROUP

END OF GROUP

tr070 (involved in collision or accident in section Experience)
In the last year (since March 2020), were you ever involved in a traffic collision or transportation-related accident while you were traveling (or walking) in or around Los Angeles County?
1 Yes
2 No

IF tr070 = 1 THEN
GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

tr071 (modes of transportation in accident in section Experience)
Which mode of transportation were **you using** when you were involved in a **traffic collision or transportation-related accident** while traveling (or walking) in or around LA County? **If more than one, please check all that apply.**
1 Walking
2 Skateboard or kick scooter
3 Bicycle or bikeshare (non-electric)
4 Electric scooter, electric bike, or electric skateboard (Bird, Lime, etc.)
5 Motorcycle or moped
6 Private car, van, carpool, truck, SUV
7 Ride-hailing service (Uber, Lyft, etc.)
8 Taxi, limo, or hired car service
9 Metro light rail/subway
10 Public bus
11 Metrolink or Amtrak train
12 Dial-A-Ride (paratransit)
13 Other. Please specify:

tr071_other (other modes of transportation in accident in section Experience)
STRING

END OF GROUP
END OF IF

tr072 (experienced sexual harassment or sexual assault in section Experience)
In the last year (since March 2020), did you ever experience **sexual harassment or sexual assault** (for example, sexual comments or gestures, indecent exposure, unwanted touching or an attack of a sexual nature) while you were traveling (or walking) in or around Los Angeles County?
1 Yes
2 No

IF tr072 = 1 THEN
GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

tr073 (modes of transportation sexual harassment or sexual assault in section Experience)
Which mode of transportation were you using when you experienced **sexual harassment or sexual assault** while traveling in or around LA County? **If more than one, please check all that apply.**
1 Walking

2 Skateboard or kick scooter
3 Bicycle or bikeshare (non-electric)
4 Electric scooter, electric bike, or electric skateboard (Bird, Lime, etc.)
5 Motorcycle or moped
6 Private car, van, carpool, truck, SUV
7 Ride-hailing service (Uber, Lyft, etc.)
8 Taxi, limo, or hired car service
9 Metro light rail/subway
10 Public bus
11 Metrolink or Amtrak train
12 Dial-A-Ride (paratransit)
13 Other. Please specify:

tr073_other (other modes of transportation sexual harassment or sexual assault in section Experience)
STRING

END OF GROUP
END OF IF

tr074 (experienced non-sexual harassment or assault in section Experience)
In the last year (since March 2020), did you ever experience **non-sexual harassment, assault, or robbery** while you were traveling (or walking) in or around Los Angeles County?
1 Yes
2 No

IF tr074 = 1 THEN
GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

tr075 (modes of transportation non-sexual harassment or assault in section Experience)
Which mode of transportation were you using when you experienced **non-sexual harassment, assault, or robbery** while traveling in or around LA County? **If more than one, please check all that apply.**
1 Walking
2 Skateboard or kick scooter
3 Bicycle or bikeshare (non-electric)
4 Electric scooter, electric bike, or electric skateboard (Bird, Lime, etc.)
5 Motorcycle or moped
6 Private car, van, carpool, truck, SUV
7 Ride-hailing service (Uber, Lyft, etc.)
8 Taxi, limo, or hired car service
9 Metro light rail/subway
10 Public bus
11 Metrolink or Amtrak train

12 Dial-A-Ride (paratransit)
13 Other. Please specify:

tr075_other (other modes of transportation non-sexual harassment or assault in section Experience)
STRING

END OF GROUP
END OF IF

tr084 (how safe covid driving private vehicle in section Experience)
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 contracting COVID-19 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

tr080 (how safe covid riding or waiting bus in section Experience)
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 contracting COVID-19 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

tr081 (how safe covid metro in section Experience)
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 Mettro regardless of whether or not you do it regularly:

How **safe** are you from contracting COVID-19 while riding or waiting the Metro?
1 Very unsafe

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

tr082 (how safe covid ride-hailing service (e.g. Uber, Lyft) in section Experience)
Please rate the following aspect of riding the **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 contracting COVID-19 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

End of section **Experience**

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 interview?
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 interview? Please type these in the box below.(If you have no comments, please click next to complete this survey.)
STRING

dummy := doPayout(10)

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. */