# UnderStandingAmericaStudy

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# Contents

# 1 INTRODUCTION

This UAS panel survey, titled "UAS286: LA Barometer: Sustainability" is the third of a series of quarterly surveys sponsored by Union Bank as part of the LA Barometer project. It asks respondents about their living conditions, their attitudes and habits, and their neighborhood community. Related surveys are UAS194, UAS199, UAS219, UAS312, UAS320 and UAS379. This survey is no longer in the field. Respondents were paid $7 to complete the survey.

## 1.1 Topics

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

## 1.2 Experiments

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

## 1.3 Citation

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

# 2 SURVEY RESPONSE AND DATA

## 2.1 Sample selection and response rate

The sample selection for this survey was:

All active respondents from the LA County sample.

As such, this survey was made available to 1896 UAS participants. Of those 1896 participants, 1417 completed the survey and are counted as respondents. Of those who are not counted as respondents, 4 started the survey without completing and 475 did not start the survey. The overall response rate was 74.74%.
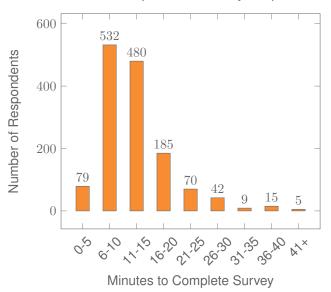
Note: We are unable to provide sample weights for a small number of UAS members (see the Sample and weighting section below for details). If they completed the survey, these members are included in the data set with a weight of zero, but accounted for in the computation of total sample size and survey response rate.%.

The detailed survey response rate is as follows:

| UAS286 - Response Overview | |
| --- | --- |
| Size of selected sample | 1896 |
| Completed the survey | 1417 |
| Started but did not complete the survey | 4 |
| Did not start the survey | 475 |
| Response rate | 74.74% |

## 2.2 Timings

The survey took respondents an average of 13 minutes, and the full distribution of survey response times is available in the figure below. Times per question are available upon request.

Distribution of Respondents' Survey Response Times



## 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 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:

○ **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 'uashhid'. For the primary respondent this identifier equals 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 identifier '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).

○ **survhhid**: uniquely identifies the household a UAS panel member belongs to in a given survey. For instance, if the primary respondent and his/her spouse are both UAS members at the time of a given survey, they both receive the same 'survhhid' identifier for that survey. If they subsequently split, they receive two different 'survhhid' in subsequent surveys. They, however, always share the same 'uashhid'. The identifier 'survhhid' is set to missing (.) if no other household members are 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 if the survey is kept in the field for a prolonged time), it may be possible that, within the same data set, household members have different 'survhhid' reflecting different household compositions at the time they answered the survey. For instance, suppose that the primary respondent and his/her spouse are both UAS members. If the primary respondent answers the survey when he/she is living with the spouse, but the spouse answers the survey when the couple has split, they receive different 'survhhid'. Hence, the variable 'survhhid' identifies household membership of UAS panel members, at the time the respondent answers the survey. Note: in the My Household survey 'survhhid' 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

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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

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 BACKGROUND DEMOGRAPHICS

Every UAS survey data set includes demographic variables, which provide background information about the respondent and his/her 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 following variables are available in each survey data set:

- **gender**: the gender of the respondent.

- **dateofbirth_year**: the year of birth of the respondent.

- **age**: 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. This is set to missing (.) if the respondent was not born in the U.S.

- **countryborn**: indicates the country in which the respondent was born. This is set to missing (.) if the respondent was born in the U.S.

- **countryborn_other**: indicates the country of birth if that country is not on the drop down list of countries shown to the respondent'.

- **statereside**: 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**: the marital status of the respondent.

- **livewithpartner**: indicates whether the respondent lives with a partner.

- **education**: the highest level of education attained by the respondent.

- **hisplatino**: indicates whether the respondent identifies him or herself as being Hispanic or Latino. This variable is asked separately from race.

- **hisplatinogroup**: indicates which Hispanic or Latino group a respondent identifies him or herself with. This is set to missing (.) if the respondent does not identify him or herself as being Hispanic or Latino.

- **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.

- **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.

- **lf_other**: specifies other 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).

- **employmenttype**: indicates the employment type of the respondent (employed by the government, by a private company, a nonprofit organization, or self-employed). This is set to missing (.) if the respondent is not currently working or currently on sick or other leave.

- **workfullpart**: indicates whether the respondent works full or part-time. This is set to missing (.) if the respondent is not currently working or currently on sick or other leave.

- **hourswork**: indicates the number of hours the respondent works per week. This is set to missing (.) if the respondent is not currently working or currently on sick or other leave.

- **hhincome**: is 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.

- **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.

- **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.

- **hhmembergen_#**: indicates the gender of another household member as reported by the respondent.

- **hhmemberage_#**: indicates the age of another household member. The age is derived from the month and year of birth of the household member as reported by the respondent.

- **hhmemberrel_#**: indicates the relationship of the respondent to the other household member as reported by the respondent.

○ **hhmemberuasid_#**: is the 'uasid' of the other 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'.

○ **lastmyhh_date**: the date on which the demographics variables were collected through the 'My Household' survey.

In addition, 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 set available on request.

# 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

**intro1** (intro in section Base)
We would like to learn more about your living conditions, your attitudes and habits, and your neighborhood community. Thank you for your participation in this important study about where we live.

Start of section **Heat**

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

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

SUBGROUP OF QUESTIONS

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

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

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

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

**ht001e** (Other type of heater (portable, floor heating, etc.) in section Heat)
Other type of heater (portable, floor heating, etc.)

1 Yes
2 No
3 Unsure

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

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

**ht001h** (Induction stove in section Heat)
Induction stove
1 Yes
2 No
3 Unsure

END OF SUBGROUP

END OF GROUP

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

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

IF ht001h = 1 THEN

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

**ht005_intro** (Section Heat)
In the last 12 months, have you had any of the following problems in your home?

**ht005a** (Broken air conditioner in section Heat)
Broken air conditioner
1 Yes
2 No
3 Unsure

**ht005b** (Broken heating system in section Heat)
Broken heating system
1 Yes
2 No
3 Unsure

**ht005c** (Inadequate air conditioning in section Heat)
Inadequate air conditioning
1 Yes
2 No
3 Unsure

**ht005d** (Inadequate heating system in section Heat)
Inadequate heating system
1 Yes
2 No
3 Unsure

**ht005e** (Inadequate insulation (drafty windows, gap between doors and floor, etc.) in section Heat)
Inadequate insulation (drafty windows, gap between doors and floor, etc.)
1 Yes
2 No

3 Unsure

**ht005f** (Inability to afford using or repairing air conditioner in section Heat)
Inability to afford using or repairing air conditioner
1 Yes
2 No
3 Unsure

**ht005g** (Inability to afford using or repairing heater in section Heat)
Inability to afford using or repairing heater
1 Yes
2 No
3 Unsure

**ht005h** (Poor ventilation (lack of air flow, poor indoor air quality) in section Heat)
Poor ventilation (lack of air flow, poor indoor air quality)
1 Yes
2 No
3 Unsure

END OF SUBGROUP

END OF GROUP

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

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

**ht006a** (enough trees in my neighborhood to provide adequate shade in section Heat)
There are enough trees in my neighborhood to provide adequate shade for walking on a hot sunny day
1 Agree strongly
2 Agree
3 Agree somewhat
4 Neither agree nor disagree
5 Disagree somewhat
6 Disagree
7 Disagree strongly

END OF GROUP

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

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

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

END OF GROUP

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**ht007_intro** (Section Heat)
In the last 12 months, have you visited any of the following places for the **sole purpose** of trying to cool down or get out of the heat?

SUBGROUP OF QUESTIONS

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

**ht007b** (Library in section Heat)
Library
1 Yes
2 No
3 Unsure

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

**ht007d** (Senior center in section Heat)
Senior center
1 Yes

2 No
3 Unsure

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

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

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

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

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

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

END OF SUBGROUP

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

**ht008** (current labor status in section Heat)
What is your current labor force status?
1 Working
2 On sick or other leave from work
3 Temporarily laid off, or furloughed
4 Unemployed - on permanent layoff or looking for work
5 Retired
6 Disabled
7 Student
8 Other

IF ht008 IN (1,2) THEN
 GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

 **ht009_intro** (Section Heat)
 Are any of the following available at your workplace(s)?

 SUBGROUP OF QUESTIONS

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

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

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

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

3 Unsure

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

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

**ht010** (number of hours required to be outdoors in section Heat)
For about how many hours in a typical week are you required to be outdoors for your job(s)? If you have multiple jobs in a typical week, please add up the number of outdoor hours required by all of your jobs in a typical week and report the total.

Please exclude time spent outdoors during your commute to and from work.
1 None
2 Less than 1 hour
3 1-2 hours
4 3-5 hours
5 6-10 hours
6 11-15 hours
7 16-20 hours
8 21-25 hours
9 26-30 hours
10 31-35 hours
11 36-40 hours
12 More than 40 hours

**ht011_intro** (Section Heat)
Are any of the following provided by your employer(s)?

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

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

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

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

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

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

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

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

2 No
3 Unsure

END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

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

SUBGROUP OF QUESTIONS

**ht012a** (High body temperature (103 F or higher) in section Heat)
High body temperature (103 &#176;F or higher)
1 Yes
2 No
3 Unsure

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

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

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

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

3 Unsure

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

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

**ht012h** (Nausea in section Heat)
Nausea
1 Yes
2 No
3 Unsure

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

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

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

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

**ht012m** (Muscle pain or spasms in section Heat)

Muscle pain or spasms
1 Yes
2 No
3 Unsure

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

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

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

END OF SUBGROUP

END OF GROUP

IF ht012a = 1 OR ht012b = 1 OR ht012c = 1 OR ht012d = 1 OR ht012e = 1 OR ht012f = 1 OR ht012g = 1 OR ht012h = 1 OR ht012i = 1 OR ht012j = 1 OR ht012k = 1 OR ht012l = 1 OR ht012m = 1 OR ht012n = 1 OR ht012o = 1 OR ht012p = 1 THEN
GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

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

SUBGROUP OF QUESTIONS

IF ht012a = 1 THEN

**ht015a** (how often High body temperature (103 F or higher) in section Heat)
High body temperature (103 &#176;F or higher)
1 Once
2 2-3 times

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

**ht015b** (how often Hot, red, dry, or damp skin in section Heat)
Hot, red, dry, or damp skin
1 Once
2 2-3 times
3 4-6 times
4 7-9 times
5 10 or more times

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

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

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

END OF IF

IF ht012f = 1 THEN

**ht015f** (how often Headache in section Heat)
Headache
1 Once
2 2-3 times
3 4-6 times
4 7-9 times
5 10 or more times

END OF IF

IF ht012g = 1 THEN

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

END OF IF

IF ht012h = 1 THEN

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

END OF IF

IF ht012i = 1 THEN

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

END OF IF

IF ht012j = 1 THEN

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

END OF IF

IF ht012k = 1 THEN

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

END OF IF

IF ht012l = 1 THEN

**ht015l** (how often Heavy sweating in section Heat)
Heavy sweating
1 Once
2 2-3 times
3 4-6 times

4 7-9 times
5 10 or more times

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

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

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

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

END OF IF

END OF SUBGROUP

END OF GROUP
END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

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

SUBGROUP OF QUESTIONS

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

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

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

**ht014d** (hospital heat cramps in section Heat)
Heat cramps
1 Yes

2 No
3 Unsure

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

End of section **Heat**

Start of section **Sustainability**

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

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

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

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7 Strongly agree

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

**st001d** (Local government is doing enough to fight climate change in section Sustainability)
Local government is doing enough to fight climate change
1 Strongly disagree
2 Disagree
3 Somewhat disagree
4 Neither agree nor disagree
5 Somewhat agree
6 Agree
7 Strongly agree

END OF SUBGROUP

END OF GROUP

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

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

SUBGROUP OF QUESTIONS

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

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

3 Unsure

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

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

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

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

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

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

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

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

**st002j** (Ceiling fan in section Sustainability)
Ceiling fan
1 Yes
2 No
3 Unsure

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

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

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

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

END OF SUBGROUP

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

**st003a** (recycle in section Sustainability)
Recycle
1 Never
2 Rarely
3 Sometimes
4 Often
5 Very often

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

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

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

**st003e** (limit your electricity usage in section Sustainability)
Limit your electricity usage
1 Never
2 Rarely

3 Sometimes
4 Often
5 Very often

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

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

**st003h** (buy or eat locally-produced food in section Sustainability)
Buy or eat locally-produced food
1 Never
2 Rarely
3 Sometimes
4 Often
5 Very often

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

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

5 Very often

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

**st003k** (buy or eat low- or un-processed food in section Sustainability)
Buy or eat low- or un-processed food
1 Never
2 Rarely
3 Sometimes
4 Often
5 Very often

**st003l** (buy food with little or no packaging in section Sustainability)
Buy food with little or no packaging
1 Never
2 Rarely
3 Sometimes
4 Often
5 Very often

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

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

**st003q** (limit your use of air conditioning, even when it is hot in section Sustain-

ability)
Limit your use of air conditioning, even when it is hot
1 Never
2 Rarely
3 Sometimes
4 Often
5 Very often

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

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

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

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

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

End of section **Sustainability**

Start of section **Pollution**

**pl001** (taken any medication or used an inhaler for asthma to prevent symptoms in section Pollution)
In the last 12 months, have you taken any medication or used an inhaler for asthma to prevent symptoms?
1 Yes
2 No
3 Unsure

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

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

**pl004** (how safe water quality in neighborhood for drinking in section Pollution)
Most times of the year, how safe do you consider the **quality of the tap water** in your neighborhood for drinking? If you're not sure, please give your best guess.
1 Very unsafe
2 Unsafe

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

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

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

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

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

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

END OF GROUP

End of section **Pollution**

Start of section **Transport**

IF 1 IN ht008 OR 2 IN ht008 THEN
**tr001** (employer have a commuter benefit program in section Transport)
Does your employer have a commuter benefit program? A commuter benefit program reduces transportation costs (like the cost of public transit) for employees using eligible forms of transportation.
1 Yes

2 No
3 I don't know
<span style="color:maroon">END OF IF</span>

<span style="color:maroon">IF 6 IN ht008 THEN</span>
**tr002** (school have a commuter benefit program in section Transport)
Does your school have a commuter benefit program? A commuter benefit program reduces transportation costs (like the cost of public transit) for students using eligible forms of transportation.
1 Yes
2 No
3 I don't know
<span style="color:maroon">END OF IF</span>

<span style="color:maroon">IF 1 IN ht008 OR 2 IN ht008 THEN</span>
<span style="color:maroon">IF tr001 = 1 THEN</span>
**tr003** (enrolled in the commuter benefit program provided by employer in section Transport)
Are you enrolled in the commuter benefit program provided by your employer?
1 Yes
2 No
3 Unsure
<span style="color:maroon">END OF IF</span>
<span style="color:maroon">END OF IF</span>

<span style="color:maroon">IF 6 IN ht008 THEN</span>
<span style="color:maroon">IF tr002 = 1 THEN</span>
**tr004** (enrolled in the commuter benefit program provided by school in section Transport)
Are you enrolled in the commuter benefit program provided by your school?
1 Yes
2 No
3 Unsure
<span style="color:maroon">END OF IF</span>
<span style="color:maroon">END OF IF</span>

<span style="color:orange">GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN</span>

**tr005_intro** (Section Transport)
Do you currently own or lease the following cars?

<span style="color:orange">SUBGROUP OF QUESTIONS</span>

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**tr005a** (Electric car in section Transport)
Electric car
1 Yes
2 No

**tr005b** (Hydrogen car in section Transport)
Hydrogen car
1 Yes
2 No

**tr005c** (Hybrid car in section Transport)
Hybrid car
1 Yes
2 No

END OF SUBGROUP

END OF GROUP

**tr006** (how likely is next car purchase an electric car in section Transport)
How likely is it that the next car you purchase or lease will be an **electric car**?
1 Very unlikely
2 Unlikely
3 Somewhat unlikely
4 Somewhat likely
5 Likely
6 Very likely
7 Not applicable - I do not plan to purchase or lease another car

IF tr006 IN (1,2,3) THEN
GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**tr007** (why unlikely purchase electric car in section Transport)
Why are you **unlikely** to purchase or lease an electric car? Please select your primary
reasons. You may select up to three.
1 Too expensive
2 I don't like the design/look
3 Concerned about safety
4 Concerned about running out of power
5 Concerned about performance (speed, acceleration, etc.)
6 Prefer the look and/or feel of gas-powered cars
7 Not knowledgeable about electric cars
8 I don't have easy access to charging stations
9 Concerned about maintenance costs

10 Other. Please specify:

**tr007_other** (other why unlikely purchase electric car in section Transport)
STRING

ELSEIF tr006 IN (5,6,7) THEN
GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**tr008** (why likely purchase electric car in section Transport)
Why are you **likely** to purchase or lease an electric car?  Please select your primary reasons. You may select up to three.
1 Good gas mileage, low fuel costs
2 I like the design/look
3 Low carbon dioxide (greenhouse gas) emissions
4 Government subsidies - tax credit, rebate
5 Energy efficiency
6 Resale value
7 Carpool lane access
8 Performance (speed, acceleration, etc.)
9 Other. Please specify:

**tr008_other** (other why likely purchase electric car in section Transport)
STRING

END OF GROUP
END OF IF

IF tr006 != 8 THEN
**tr009** (how likely is next car purchase an hybrid car in section Transport)
How likely is it that the next car you purchase or lease will be an **hybrid car**?
1 Very unlikely
2 Unlikely
3 Somewhat unlikely
4 Somewhat likely
5 Likely
6 Very likely

IF tr009 IN (1,2,3) THEN
GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**tr010** (why unlikely purchase hybrid car in section Transport)
Why are you **unlikely** to purchase or lease an hybrid car? Please select your primary reasons. You may select up to three.

1 Too expensive
2 I don't like the design/look
3 Concerned about safety
4 Concerned about running out of power
5 Concerned about performance (speed, acceleration, etc.)
6 Prefer the look and/or feel of gas-powered cars
7 Not knowledgeable about hybrid cars
8 I don't have easy access to charging stations
9 Concerned about maintenance costs
10 I plan to purchase or lease an electric car instead
11 Other. Please specify:

**tr010_other** (other why unlikely purchase hybrid car in section Transport)
STRING

END OF GROUP

ELSEIF tr009 IN (5,6,7) THEN

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**tr011** (why likely purchase hybrid car in section Transport)
Why are you **likely** to purchase or lease an hybrid car? Please select your primary reasons. You may select up to three.
1 Good gas mileage, low fuel costs
2 I like the design/look
3 Low carbon dioxide (greenhouse gas) emissions
4 Government subsidies - tax credit, rebate
5 Energy efficiency
6 Resale value
7 Carpool lane access
8 Performance (speed, acceleration, etc.)
9 Other. Please specify:

**tr011_other** (other why likely purchase hybrid car in section Transport)
STRING

END OF GROUP
END OF IF
END OF IF

End of section **Transport**

Start of section **Disaster**

**ds001** (how prepared for natural disaster in section Disaster)

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How prepared do you think your household is for an earthquake or other natural disaster?
1 Not at all prepared
2 Slightly prepared
3 Moderately prepared
4 Very prepared
5 Extremely prepared

<span style="color:orange">GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN</span>

**ds002_intro** (Section Disaster)
Please tell us if you have made any of the following preparations for an earthquake or other natural disaster near your home.

<span style="color:orange">SUBGROUP OF QUESTIONS</span>

**ds002a** (household developed an emergency response plan in section Disaster)
Has your household developed an emergency response plan?
1 Yes
2 No
3 Unsure

**ds002b** (discussed an emergency response plan with neighbors in section Disaster)
Have you discussed an emergency response plan with your neighbors?
1 Yes
2 No
3 Unsure

**ds002c** (household have a 3-day supply of non-perishable food and water in section Disaster)
Does your household have a 3-day supply of non-perishable food and water?
1 Yes
2 No
3 Unsure

**ds002d** (have a backpack filled with supplies ready to take in case of an emergency in section Disaster)
Does your household have a backpack filled with supplies ready to take with you in case of an emergency?
1 Yes
2 No
3 Unsure

**ds002e** (household have an emergency radio in section Disaster)
Does your household have an emergency radio?

1 Yes
2 No
3 Unsure

**ds002f** (able to safely evacuate on its own in section Disaster)
In case of an emergency, would everyone in your household be able to safely evacuate
on their own or with assistance from others in the household?
1 Yes
2 No
3 Unsure

**ds002g** (comfortable reaching out to neighbors for help during an emergency in
section Disaster)
Would you feel comfortable reaching out to your neighbors for help during an emer-
gency?
1 Yes
2 No
3 Unsure

End of section **Disaster**

Start of section **Community**

**cm001_intro** (Section Community)
Please rate how strongly you agree or disagree with the following statements:

**cm001a** (people in neighborhood help each other in section Community)
People in my neighborhood help each other
1 Strongly disagree
2 Disagree
3 Somewhat disagree
4 Neither agree nor disagree
5 Somewhat agree
6 Agree
7 Strongly agree
8 I don't know

**cm001b** (neighborhood has the resources it needs to take care of neighborhood problems in section Community)
My neighborhood has the resources it needs to take care of neighborhood problems (resources include money, information, technology, tools, raw materials, and services)
1 Strongly disagree
2 Disagree
3 Somewhat disagree
4 Neither agree nor disagree
5 Somewhat agree
6 Agree
7 Strongly agree
8 I don't know

**cm001c** (neighborhood has effective leaders in section Community)
My neighborhood has effective leaders
1 Strongly disagree
2 Disagree
3 Somewhat disagree
4 Neither agree nor disagree
5 Somewhat agree
6 Agree
7 Strongly agree
8 I don't know

**cm001d** (people in neighborhood communicate with leaders who can help improve the neighborhood in section Community)
People in my neighborhood communicate with leaders who can help improve the neighborhood
1 Strongly disagree
2 Disagree
3 Somewhat disagree
4 Neither agree nor disagree
5 Somewhat agree
6 Agree
7 Strongly agree
8 I don't know

**cm001e** (people in neighborhood discuss issues and work together on solutions to improve the neighborhood in section Community)
People in my neighborhood discuss issues and work together on solutions to improve the neighborhood
1 Strongly disagree
2 Disagree
3 Somewhat disagree
4 Neither agree nor disagree

5 Somewhat agree
6 Agree
7 Strongly agree
8 I don't know

**cm001f** (neighborhood tries to prevent and prepare for future disasters in section Community)
My neighborhood tries to prevent and prepare for future disasters
1 Strongly disagree
2 Disagree
3 Somewhat disagree
4 Neither agree nor disagree
5 Somewhat agree
6 Agree
7 Strongly agree
8 I don't know

**cm001g** (neighborhood has services and programs to help people during and after a disaster in section Community)
My neighborhood has services and programs to help people during and after a disaster
1 Strongly disagree
2 Disagree
3 Somewhat disagree
4 Neither agree nor disagree
5 Somewhat agree
6 Agree
7 Strongly agree
8 I don't know

END OF SUBGROUP

END OF GROUP

End of section **Community**

Start of section **Transportation**

**tr_intro** (Section Transportation)
In this final section of the survey, we would like to ask you some questions about your work life and transportation habits.

**tp001** (February 1 labor status in section Transportation)
On **February 1, 2020**, what was your labor force status?
1 Working
2 On sick or other leave from work

3 Temporarily laid off, or furloughed
4 Unemployed - on permanent layoff or looking for work
5 Retired
6 Disabled
7 Student
8 Other

**tp002** (how many days working in section Transportation)
As of **February 1, 2020**, about how many days were you working in a typical month?
1 6-7 days per week
2 4-5 days per week
3 2-3 days per week
4 One day per week
5 Less than one day per week

**tp003** (how many days working from home in section Transportation)
As of **February 1, 2020**, about how many days were you working **from home** in a typical month?
1 6-7 days per week
2 4-5 days per week
3 2-3 days per week
4 One day per week
5 Less than one day per week
6 Never

**tp004** (how many days worked in May in section Transportation)
You responded earlier in this survey that your current labor force status is "working."

**Currently**, about how many days do you work?
1 6-7 days per week
2 4-5 days per week
3 2-3 days per week
4 One day per week
5 Less than one day per week

**tp005** (how many days worked from home in May in section Transportation)
**Currently**, about how many days do you work **from home**?
1 6-7 days per week
2 4-5 days per week
3 2-3 days per week
4 One day per week

5 Less than one day per week
6 Never

**tp006** (how many days like to work from home September in section Transportation)
In **September 2020** - a few months from now - about how many days **would you like** to work from home in your current job, whether you think you will be able to or not?
1 6-7 days per week
2 4-5 days per week
3 2-3 days per week
4 One day per week
5 Less than one day per week
6 Never

**tp007** (how many days expect to be able to work from home September in section Transportation)
In **September 2020**, about how many days do you **expect to be able** to work from home in your current job?
1 6-7 days per week
2 4-5 days per week
3 2-3 days per week
4 One day per week
5 Less than one day per week
6 Never

ELSEIF ht008 IN (2,3) THEN

**tp008** (laid off how many days would like to work from home September in section Transportation)
You responded earlier in this survey that your current labor force status is "on sick or other leave" or "temporarily laid off, or furloughed."

In **September 2020** - a few months from now - assuming you are able to return to the job from which you are on leave or temporarily laid off, about how many days **would you like** to work from home, whether you think you will be able to or not?
1 6-7 days per week
2 4-5 days per week
3 2-3 days per week
4 One day per week
5 Less than one day per week
6 Never

**tp009** (laid off how many days expect to be able to work from home September in section Transportation)
In **September 2020**, assuming you are able to return to the job from which you are on leave or temporarily laid off, about how many days do you **expect to be able** to work

from home?
1 6-7 days per week
2 4-5 days per week
3 2-3 days per week
4 One day per week
5 Less than one day per week
6 Never

<span style="color:#990033">ELSEIF ht008 = 4 THEN</span>

**tp010** (kind of job hoping to get in section Transportation)
You responded earlier in this survey that your current labor force status is "unemployed."

If or when you look for a new job, what kind of job do you hope to get?
1 A job where I work from home 100% of the time (a fully remote job)
2 A job where I work from home 75% of the time
3 A job where I work from home 50% of the time
4 A job where I work from home 25% of the time
5 A job where I work from home 0 % of the time (a fully in-person job)
6 Not applicable - I do not plan to look for a new job

<span style="color:#990033">END OF IF</span>

<span style="color:#E8A33D">GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN</span>

**tp011** (modes of transportation used in section Transportation)
**Since April 1, 2020**, what modes of transportation have you used 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 you have been commuting to work since April and your commute 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 'Public transportation', 'Walk, skateboard or kick scooter', and 'Eletrict scooter, electric bike, or electric skateboard' 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 (e.g. Uber, Lyft) - as passenger
3 Taxi, limo, hired car service - as passenger
4 Public transportation (i.e. bus, light rail/subway, train, dial-a-ride) - as passenger
5 Walk, skateboard, or kick scooter
6 Bicycle or bikeshare (non-electric)
7 Electric scooter, electric bike, or electric skateboard (e.g. Bird, Lime)

8 Motorcycle or moped - as driver or passenger
9 Other (shuttle, commercial vehicle, boat, etc.), please specify:

**tp011_other** (other modes of transportation used in section Transportation)
STRING

**tp012** (public transportation used in section Transportation)
You selected public transportation as a transportation mode that you have used since **April 1, 2020**, to go to places in or around Los Angeles County. What specific forms of public transportation have you used? 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:

**tp012_other** (other public transportation used in section Transportation)
STRING

**tp013** (how many days in private vehicle in section Transportation)
Since **April 1, 2020**, 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 (e.g. Uber, Lyft) 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

**tp014** (how many days use ride hailing service in section Transportation)
Since **April 1, 2020**, about how many days did you **use a ride-hailing service** (e.g. Uber, Lyft), 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

END OF IF

IF 3 IN tp011 THEN

**tp015** (how many days use taxi or limo in section Transportation)
Since **April 1, 2020**, 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

END OF IF

IF 4 IN tp011 THEN

IF 1 IN tp012 THEN

**tp016** (how many days ride bus in section Transportation)
Since **April 1, 2020**, about how many days did you **ride a 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

END OF IF

IF 2 IN tp012 THEN

**tp017** (how many days ride metrolight in section Transportation)
Since **April 1, 2020**, about how many days did you **ride the Metrolight 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

IF 3 IN tp012 THEN

**tp018** (how many days ride metrolink in section Transportation)
Since **April 1, 2020**, 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

END OF IF

IF 4 IN tp012 THEN

**tp019** (how many days ride amtrak in section Transportation)
Since **April 1, 2020**, 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

END OF IF

IF 5 IN tp012 THEN

**tp020** (how many days use dial-a-ride in section Transportation)
Since **April 1, 2020**, 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

END OF IF
END OF IF

IF 5 IN tp011 THEN

**tp021** (how many days walk, skateboard, or use a kick scooter in section Transportation)
Since **April 1, 2020**, 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

57

3 A few days per week
4 One day per week
5 Less than one day per week

**tp022** (how many days use non-electric bicycle or bikeshare in section Transportation)
Since **April 1, 2020**, 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

**tp023** (how many days use electric scooter, bike or skateboard in section Transportation)
**Since April 1, 2020**, 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

**tp024** (how many days use motorcycle in section Transportation)
Since **April 1, 2020**, 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

**tp025** (expect to use modes of transportation in section Transportation)
In **September 2020** - a few months from now - which of the following transportation modes do you plan to 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 plan to use in combination with one another. For example, if you plan to commute to work and your commute will involve a 10-minute walk to the bus stop, a 20-minute bus ride, and a 10-minute electric scooter ride to your workplace, you should check 'Public transportation', 'Walk, skateboard or kick scooter', and 'Eletrict scooter, electric bike, or electric skateboard' below.

When thinking about the modes of transportation that you plan to use for different trips, please exclude any trips that you plan to make 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 (e.g. Uber, Lyft) - as passenger
3 Taxi, limo, hired car service - as passenger
4 Public transportation (i.e. bus, light rail/subway, train, dial-a-ride) - as passenger
5 Walk, skateboard, or kick scooter
6 Bicycle or bikeshare (non-electric)
7 Electric scooter, electric bike, or electric skateboard (e.g. Bird, Lime)
8 Motorcycle or moped - as driver or passenger
9 Other (shuttle, commercial vehicle, boat, etc.), please specify:

**tp025_other** (other expect to use modes of transportation in section Transportation)
STRING

END OF GROUP

IF 4 IN tp025 THEN

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

**tp026** (expect to use public transportation in section Transportation)
You selected public transportation as a transportation mode that you **plan** to use to go to places in or around LA County in **September 2020**. What specific forms of public transportation do you plan to 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:

**tp026_other** (other expect to use public transportation in section Transportation)

You selected public transportation as a transportation mode that you **plan** to use to go to places in or around LA County in **September 2020**. What specific forms of public transportation do you plan to use? Please check all that apply.
STRING

END OF GROUP
END OF IF

End of section **Transportation**

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

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. */