UnderStandingAmericaStudy

UAS 243: CORONAVIRUS TRACKING SURVEY SHORT FORM WAVE 4

Survey author(s): Center for Economic and Social Research

Fielded April 29, 2020 - May 26, 2020

Contents

1 INTRODUCTION

This UAS panel survey, titled ”UAS 243: Coronavirus tracking survey short form wave 4” asks respondents in Los Angeles about the impact of the coronavirus pandemic on their lives. This questionnaire is alternated on a weekly basis with the UAS244 long form. This survey is no longer in the field. Respondents were paid $8 to complete the survey.

Related surveys are UAS 46 (coronavirus tracking consent survey), UAS230 (coronavirus survey wave 1) and tracking survey long and short forms for all waves. Tracking survey details available at
https://uasdata.usc.edu/page/Covid-19+Home

1.1 Topics

This survey contains questions (among others) on the following topics: Consumer Behavior, Diet Lifestyle, Employment Labor Market, Family, Health, Housing, Social Networks. 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 LA residents who consented to participate in UAS46.

As such, this survey was made available to 1389 UAS participants. Of those 1389 participants, 1198 completed the survey and are counted as respondents. Of those who are not counted as respondents, 10 started the survey without completing and 181 did not start the survey. The overall response rate was 86.25%.
The detailed survey response rate is as follows:

UAS243 - Response Overview	
Size of selected sample	1389
Completed the survey	1198
Started but did not complete the survey	10
Did not start the survey	181
Response rate	86.25%

2.2 Timings

The survey took respondents an average of 11 minutes. Detailed timings distributions and times per question are available upon request.

2.3 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/South/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 contains the following variables with weights (all generated using the procedure described above)

- final_weight These weights allow to align the overall sample to the adult U.S. population as far as the distributions of the aforementioned demographics are concerned.

NOTE: this dataset does not include respondents with a weight of zero (non-Native American households recruited in batches 2 and 3 and individuals recruited in batch 4). For the full data set, including these respondents, or for any other questions please contact UAS staff.

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

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.

- **sampletype**: 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 'sampletype' takes on three values reflecting three distinct recruitment categories (in future data sets the number of categories may increase due to the incorporation of new recruitment categories):

  1. Nationally Representative Sample
  2. Native Americans: recruited through ABS, where the probability of drawing a zip-code is a function of the percentage of Native Americans in the zip-code. Primary respondents in these zip-codes who are not Native Americans are not invited to join the UAS.
  3. LA County: recruited through ABS drawing from zip-codes in Los Angeles County.

- **batch**: indicates the batch from which the respondent was recruited. There are currently the following values this variable takes (in future data sets the number of categories may increase due to the usage of new recruitment samples):

  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

- **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.
- **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).
- **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.

5 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 in the survey due to a survey 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).

Formatting wise, in the STATA data sets all questions come with short descriptions (not available in the CSV files). 'Please select one' questions come with value labels for each 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 'select all that apply' 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 the format '1-3-2' 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 names and so on.

More information about the UAS data can be found in the UAS Data Guide available 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 **Preload**

/* The introduction of the survey is customized for respondents depending on whether they are Los Angeles Residents or not. LA residents alternate between a long (UAS235/UAS240/UAS242) and short version(UAS236/UAS241/UAS243) of the survey every week while everyone else only receives the long version (UAS235/UAS240/UAS242) once every two weeks. In this context laresident indicates if a respondent is a LA resident or not.

Variable covidday reflects the day to which respondents have been assigned to answer the survey on. If they do so they receive an additional $1 compensation. The value of covidday can be used to determine the assigned day by adding it as the number of days to the base date 'March 30, 2020'. */
laresident := getCovidLACounty()
covidday := getCovidDay()

/* In several of the questions in this survey respondents are asked to answer in context of a specific time frame reference. This reference is present if they participated in an earlier related survey (UAS230, UAS235, UAS236, UAS240, UAS241 or UAS242) */
IF getCovid19Preload("endtime") != "" THEN
| FLDateEarlierSurvey := date("F j Y", strtotime(getCovid19Preload("endtime")))
END OF IF

End of section **Preload**

Start of section **Corona**

cr_intro (Section Corona)
Thank you for agreeing to participate in our ongoing survey which focuses on the impact of the novel coronavirus (COVID-19). We will send you a reminder to check in (Monday/Tuesday/Wednesday/Thursday/Friday/Saturday/Sunday/once a week/every other week/), on (day()), to let us know how the coronavirus epidemic is affecting you. Most of the questions in this survey were asked in previous surveys. Thank you for answering them accurately again, to ensure we always have the most up-to-date information.

cr001_questions := array(1 →"cr001a", 2 →"cr001b", 3 →"cr001c", 4 →"cr001d", 5 →"cr001e", 6 →"cr001f", 7 →"cr001g", 8 →"cr001h", 9 →"cr001i", 10 →"cr001j", 11 →"cr001k", 12 →"cr001l", 13 →"cr001m", 14 →"cr001n", 15 →"cr001o", 16 →"cr001p", 17 →"cr001q", 18 →"cr001r")

/* The question series cr001a to cr001r are presented in random order per variables cr001_order with values:

- 1 Fever or chills (cr001a)
- 2 Runny or stuffy nose (cr001b)
- 3 Chest congestion (cr001c)
- 4 Cough (cr001d)
- 5 Sore throat (cr001e)
- 6 Sneezing (cr001f)
- 7 Muscle or body aches (cr001g)
- 8 Headaches (cr001h)
- 9 Fatigue or tiredness (cr001i)
- 10 Shortness of breath (cr001j)
- 11 Abdominal Discomfort (cr001k)
- 12 Vomiting (cr001l)
- 13 Hair Loss (cr001m)
- 14 Dry skin (cr001n)
- 15 Body temperature higher than 100.4 F or 38.0 C (cr001o)
- 16 Diarrhea (cr001p)
- 17 Lost sense of smell (cr001q)
- 18 Skin rash (cr001r)

Answer options for all questions in the series are:

- 1 Yes
- 2 No
- 3 Unsure

*/

IF sizeof(cr001_order) = 0 THEN

cr001_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, 16 →16, 17 →17, 18 →18))

END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

cr001_intro (Section Corona)
Have you experienced any of the following symptoms in **the past 7 days**?

SUBGROUP OF QUESTIONS

LOOP FROM 1 TO 18

/* Question series cr001a to cr001r are presented in random order per variables cr001_order as described above. */

END OF LOOP

END OF SUBGROUP

END OF GROUP

cr002 (tested for the coronavirus in section Corona)
Have you been tested for coronavirus(**since ^FLDateEarlierSurvey** (when you last took our coronavirus survey))? If so, what was the result?
1 I have been tested and I tested positive (I had coronavirus)
2 I have been tested and I tested negative (I did **not** have coronavirus)
3 I have been tested and I do not know the result
4 I have not been tested

cr005 (diagnosed with the coronavirus in section Corona)
Whether or not you have had a coronavirus test, has a doctor or another healthcare professional diagnosed you as having or probably having the coronavirus(**since ^FLDateEarlierSurvey**)?
1 Yes
2 No
3 Unsure

IF cr002 != 1 AND cr005 !=1 THEN

cr007 (think infected with coronavirus in section Corona)
Do you think you have been infected with the coronavirus(**since ^FLDateEarlierSurvey**)?
1 Yes
2 No

END OF IF

IF cr002 = 1 OR cr005 = 1 OR cr007 = 1 THEN

Fill code of question FL_cr011 executed

cr011 (contacted a doctor, employer, family in section Corona)
Have you contacted anyone(, other than the medical professionals that tested or diagnosed or treated you,) to inform them you have coronavirus(**since ^FLDateEarlierSurvey**)?
1 Yes
2 No

IF cr011 = 1 THEN
cr012_questions := array(1 →"cr012a", 2 →"cr012b", 3 →"cr012c", 4 →"cr012d", 5 →"cr012e", 6 →"cr012f", 7 →"cr012g", 8 →"cr012h")

/* The question series cr012a to cr012h are presented in random order per variables cr012_order with values:

- 1 A local health departments or hotline (cr012a)
- 2 Hospital or emergency room (cr012b)
- 3 My primary care doctor or another doctor (cr012c)
- 4 My employer, supervisor or school (cr012d)
- 5 Community or religious leaders (cr012e)
- 6 Family or friends (cr012f)
- 7 Online social contacts such as people on Facebook or Twitter (cr012g)
- 8 Other (cr012h)

Answer options for all questions in the series are:

- 1 Yes
- 2 No

*/

IF sizeof(cr012_order) = 0 THEN
cr012_order := shuffleArray(array(1 →1, 2 →2, 3 →3, 4 →4, 5 →5, 6 →6, 7 →7))
cr012_order(8) := 8
END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

cr012_intro (Section Corona)
Who have you contacted(**since ^FLDateEarlierSurvey**) to let them know that you think you have coronavirus? Please check all that apply.

SUBGROUP OF QUESTIONS

LOOP FROM 1 TO 8

/* Question series cr012a to cr012h are presented in random order per variables cr012_order as described above. */

END OF LOOP

END OF SUBGROUP

cr012h_other (specify other contacted in section Corona)
STRING

END OF GROUP
END OF IF
END OF IF

cr004 (sought care in section Corona)
Whether or not you have been tested, or diagnosed, have you sought medical care for coronavirus(**since ^FLDateEarlierSurvey**)?
1 Yes
2 No

IF cr004 = 1 THEN
GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

cr009 (where seek help in section Corona)
When you sought medical care for coronavirus(**since ^FLDateEarlierSurvey**), where did you first seek care?
1 Hospital or emergency room
2 Urgent care
3 My primary care doctor or another doctor
4 A local health department
5 Other, please specify:
6 I did not seek care

cr009_other (other where seek help in section Corona)
STRING

END OF GROUP

IF cr009 = RESPONSE THEN
LOOP FROM 1 TO 5

IF cnt IN cr009 THEN

Fill code of question FL_cr009_dummy executed

cr010a (find care in section Corona)
When you sought care from **(hospital or emergency room/urgent care/your primary care doctor or another doctor/a local health department/^cr009_other)** did you obtain care?
1 Yes, in person
2 Yes, phone or video visit
3 Did not obtain care

IF cr010a(cnt) = 1 THEN

cr010b (called ahead before seeking care in section Corona)
Did you call ahead before seeking care in person?
1 Yes
2 No

END OF IF

END OF IF

END OF LOOP
END OF IF
END OF IF

End of section **Corona**

Start of section **Behavior**

cr015_questions := array(1 →"cr015a", 2 →"cr015b", 3 →"cr015c", 4 →"cr015d", 5 →"cr015e", 6 →"cr015f", 7 →"cr015g", 8 →"cr015h", 9 →"cr015i", 10 →"cr015j", 11 →"cr015k", 12 →"cr015l")

/* The question series cr015a to cr015l are presented in random order per variables cr015_order with values:

- 1 Gone out to a bar, club, or other place where people gather (cr015a)
- 2 Gone to the grocery store or pharmacy (cr015b)

- 3 Gone to a friend, neighbor, or relative's residence (that is not your own) (cr015c)
- 4 Had visitors such as friends, neighbors or relatives at your residence (cr015d)
- 5 Attended a gathering with more than 10 people, such as a reunion, wedding, funeral, birthday party, concert, or religious service (cr015e)
- 6 Sought care from a hospital or health care facility (cr015f)
- 7 Been placed in isolation or quarantine (cr015g)
- 8 Remained in your residence at all times, except for essential activities or exercise (cr015h)
- 9 Shared items like towels or utensils with other people (cr015i)
- 10 Had close contact (within 6 feet) with people who live with you (cr015j)
- 11 Had close contact (within 6 feet) with people who do not live with you (cr015k)
- 12 Gone outside to walk, hike, or exercise (cr015l)

Answer options for all questions in the series are:

- 1 Yes
- 2 No
- 3 Unsure

*/

IF sizeof(cr015_order) = 0 THEN

cr015_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))

END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

cr015_intro (Section Behavior)
In the last **seven days**, have you done the following:

SUBGROUP OF QUESTIONS

LOOP FROM 1 TO 12

/* Question series cr015a to cr015l are presented in random order per variables cr015_order as described above. */

| END OF LOOP

END OF SUBGROUP

END OF GROUP

cr016_questions := array(1 →"cr016b", 2 →"cr016c", 3 →"cr016d", 4 →"cr016e", 5 →"cr016f", 6 →"cr016g", 7 →"cr016h", 8 →"cr016i", 9 →"cr016j", 10 →"cr016k", 11 →"cr016l", 12 →"cr016m", 13 →"cr016n", 14 →"cr016o", 15 →"cr016p", 16 →"cr016r")

/* The question series cr016b to cr016r are presented in random order per variables cr016_order with values (variable cr016a and cr016q have been intentionally omitted):

- 1 Washed your hands with soap or used hand sanitizer several times per day (cr016b)
- 2 Canceled or postponed air travel for work (cr016c)
- 3 Canceled or postponed air travel for pleasure (cr016d)
- 4 Canceled or postponed work or school activities (cr016e)
- 5 Canceled or postponed personal or social activities (cr016f)
- 6 Visited a doctor (cr016g)
- 7 Canceled a doctor's appointment (cr016h)
- 8 Stockpiled food or water (cr016i)
- 9 Avoided contact with people who could be high-risk (cr016j)
- 10 Avoided public spaces, gatherings, or crowds (cr016k)
- 11 Prayed (cr016l)
- 12 Avoided eating at restaurants (cr016m)
- 13 Stockpiled hand sanitizer or disinfectant wipes (cr016n)
- 14 Worked or studied at home (cr016o)
- 15 Worn a mask or other face covering (cr016p)
- 16 Stockpiled medication (cr016r)

Answer options for all questions in the series are:

- 1 Yes
- 2 No
- 3 Unsure

*/

IF sizeof(cr016_order) = 0 THEN

cr016_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, 16 →16))

END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

cr016_intro (Section Behavior)
Which of the following have you done in the **last seven days** to keep yourself safe from coronavirus?

Only consider actions that you took or decisions that you made personally.

SUBGROUP OF QUESTIONS

LOOP FROM 1 TO 16

/* Question series cr016b to cr016r are presented in random order per variables cr016_order as described above. */

END OF LOOP

END OF SUBGROUP

END OF GROUP

cr021 (how many family or close friends in section Behavior)
We'd like to ask about your family, as well as your close friends. How many family or close friends do you have? Only include people who are still alive, regardless of where they live.
RANGE 0..9223372036854775807

IF cr021 > 999 THEN

cr021_warning (warning how many family or close friends in section Behavior)
Do you really have (how many family or close friends()) family and close friends? If so, click "Next" to continue.

END OF IF

IF cr021 > 0 THEN

cr022 (infected how many family or close friends in section Behavior)
You said that you have (how many family or close friends()) family and close friends. Of these people, how many do you think have been infected with the coronavirus?
RANGE 0..9223372036854775807

IF cr022 > cr021 THEN

cr022_warning (Section Behavior)
You said you know (how many family or close friends()) people but that (infected how many family or close friends()) people have been infected. Please go back and correct your answer(s).

ELSEIF cr022 > 999 THEN

cr022_warning2 (Section Behavior)
Do you really know (infected how many family or close friends()) people who have been infected? If so, click "Next" to continue.

END OF IF

cr022a (hospitalized how many family or close friends in section Behavior)
You said that you have (how many family or close friends()) family and close friends. Of these people, how many do you think have been hospitalized (spent at least one night in the hospital) from the coronavirus?
RANGE 0..9223372036854775807

IF cr022a > cr021 THEN

cr022a_warning (Section Behavior)
You said you know (how many family or close friends()) people but that (hospitalized how many family or close friends()) people have been hospitalized. Please go back and correct your answer(s).

ELSEIF cr022a > 999 THEN

cr022a_warning2 (Section Behavior)
Do you really know (hospitalized how many family or close friends()) people who have been hospitalized? If so, click "Next" to continue.

END OF IF

cr022b (died how many family or close friends in section Behavior)
You said that you have (how many family or close friends()) family and close friends. Of these people, how many do you think have died from the coronavirus?
RANGE 0..9223372036854775807

IF cr022b > cr021 THEN

cr022b_warning (Section Behavior)
You said you know (how many family or close friends()) people but that (died how many family or close friends()) people have died. Please go back and correct your answer(s).

ELSEIF cr022b > 999 THEN

cr022b_warning2 (Section Behavior)
Do you really know (died how many family or close friends()) people who have been died? If so, click "Next" to continue.

END OF IF

END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

cr023 (chance get coronavirus in section Behavior)
On a scale of 0 to 100 percent, what is the chance that you will get the coronavirus in the **next three months**? If you're not sure, please give your best guess.
RANGE 0..100

cr_error (Section Corona)
Please enter a number between 0% and 100%.

END OF GROUP

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

cr023b (chance hospitalized if get coronavirus in section Behavior)
If you do get the coronavirus, what is the percent chance you will be hospitalized (spend at least one night in the hospital) from it? If you're not sure, please give your best guess.
RANGE 0..100

cr_error (Section Corona)
Please enter a number between 0% and 100%.

END OF GROUP

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

cr024 (chance die from coronavirus in section Behavior)
If you do get the coronavirus, what is the percent chance you will die from it? If you're not sure, please give your best guess.
RANGE 0..100

cr_error (Section Corona)
Please enter a number between 0% and 100%.

END OF GROUP

End of section **Behavior**

Start of section **Information**

cr032_questions := array(1 →"cr032a", 2 →"cr032b", 3 →"cr032c", 4 →"cr032d", 5 →"cr032e", 6 →"cr032f", 7 →"cr032g", 8 →"cr032h", 9 →"cr032i", 10 →"cr032j")

/* The question series cr032a to cr032j are presented in random order per variables cr032_order with values:

- 1 California Governor Gavin Newsom (cr032a)
- 2 Los Angeles County Department of Public Health (cr032b)
- 3 Los Angeles County Board of Supervisors (cr032c)
- 4 Los Angeles Mayor Eric Garcetti (cr032d)
- 5 The Los Angeles Times (cr032e)
- 6 CNN (cr032f)
- 7 MSNBC (cr032g)
- 8 Fox News (cr032h)
- 9 Network News (NBC, ABC, CBS) (cr032i)
- 10 Your local TV news (cr032j)

Answer options for all questions in the series are:

- 1 Do not trust at all
- 2 Trust somewhat
- 3 Trust mostly
- 4 Trust completely

*/

IF sizeof(cr032_order) = 0 THEN

cr032_order := shuffleArray(array(1 →1, 2 →2, 3 →3, 4 →4, 5 →5, 6 →6, 7 →7, 8 →8, 9 →9, 10 →10))

END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

cr032_intro (Section Information)
How much do you trust the following sources of information about the coronavirus:

SUBGROUP OF QUESTIONS

LOOP FROM 1 TO 10

/* Question series cr032a to cr032j are presented in random order per variables cr032_order as described above. */

END OF LOOP

END OF SUBGROUP

END OF GROUP

cr033_questions := array(1 →"cr033a", 2 →"cr033b", 3 →"cr033c", 4 →"cr033d", 5 →"cr033e", 6 →"cr033f", 7 →"cr033g", 8 →"cr033h", 9 →"cr033i", 10 →"cr033j")

/* The question series cr033a to cr033j are presented in random order per variables cr033_order with values:

- 1 California Governor Gavin Newsom (cr033a)
- 2 Los Angeles County Department of Public Health (cr033b)
- 3 Los Angeles County Board of Supervisors (cr033c)
- 4 Los Angeles Mayor Eric Garcetti (cr033d)
- 5 The Los Angeles Times (cr033e)
- 6 CNN (cr033f)
- 7 MSNBC (cr033g)
- 8 Fox News (cr033h)
- 9 Network News (NBC, ABC, CBS) (cr033i)
- 10 Your local TV news (cr033j)

Answer options for all questions in the series are:

- 1 Yes
- 2 No

*/

IF sizeof(cr033_order) = 0 THEN

cr033_order := shuffleArray(array(1 →1, 2 →2, 3 →3, 4 →4, 5 →5, 6 →6, 7 →7, 8 →8, 9 →9, 10 →10))

END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

cr033_intro (Section Information)
Which of the following information sources have you used to learn about the coronavirus in **the past 7 days**?

SUBGROUP OF QUESTIONS

LOOP FROM 1 TO 10

/* Question series cr033a to cr033j are presented in random order per variables cr033_order as described above. */

END OF LOOP

END OF SUBGROUP

END OF GROUP

End of section **Information**

Start of section **Economic**

ei002 (worried you would run out of food in section Economic)
In the **past seven days**, were you worried you would run out of food because of a lack of money or other resources?
1 Yes
2 No
3 Unsure

End of section **Economic**

Start of section **Labor**

/* The current job status series below is partially dependent on any previously known job status. To this end variables lr004 (called cr008 in UAS230), lr001 and lr003 are preloaded into preload_hadjob. These take the following values:

- preload_hadjob: 1 Yes, 2 No
- preload_lr001: ”1 I am still working in the same job”, ”2 I lost my job and I am looking for work”, ”3 I have been temporarily laid off from the same job”, ”4 I am on sick leave or other leave from the same job”, ”5 I am now working at a different job”, and ”6 None of these”.

*/

preload_hadjob := getCovid19Preload(”cr008”)

preload_lr001 := getCovid19Preload("lr001")

IF preload_hadjob = 1 THEN

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

lr001 (employment status in section Labor)
The next set of questions are about your primary job. If you have multiple jobs, think of the job in which you work the most hours or receive the most pay.

You told us on (date of earlier survey()) that you had a job. Which statement best reflects your current employment status:
1 I am still working in the same job
2 I lost my job and I am looking for work
3 I have been temporarily laid off from the same job
4 I am on sick leave or other leave from the same job
5 I am now working at a different job
6 None of these, please specify:

lr001_other (other employment status in section Labor)
STRING

END OF GROUP

IF lr001 = 2 OR lr001 = 3 OR lr001 = 4 THEN

lr002 (still receiving benefits in section Labor)
Are you still receiving benefits such as health insurance through your former job?
1 Yes
2 No
3 Unsure

END OF IF

ELSE

IF preload_hadjob = RESPONSE THEN

IF preload_lr001 = 3 THEN

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

lr003aa (job status after laid off in section Labor)
You told us on (**since ^FLDateEarlierSurvey**) that you were temporarily laid off from your job. Which statement best reflects your current employment status?
1 I have resumed working at the same job
2 I am still temporarily laid off from the same job
3 I have lost my job and I am looking for work
4 I am on sick leave or other leave from the same job
5 I am now working at a different job

6 None of these, please specify:

lr003aa_other (other job status after laid off in section Labor)
STRING

END OF GROUP

ELSEIF preload_lr001 = 4 THEN

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

lr003bb (job status after sick leave in section Labor)
You told us on (**since ^FLDateEarlierSurvey**) that you were on sick leave or other leave from your job. Which statement best reflects your current employment status?
1 I have resumed working at the same job
2 I am still on sick leave or other leave from the same job
3 I have lost my job and I am looking for work
4 I have been temporarily laid off from the same job
5 I am now working at a different job
6 None of these, please specify:

lr003bb_other (other job status after sick leave in section Labor)
STRING

END OF GROUP

ELSE

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

lr003 (employment status prev no job in section Labor)
You told us on (date of earlier survey()) that you did not have a job. Which statement best reflects your current employment status:
1 I still do not have a job
2 I now have a job
4 I am retired
5 I am not in the labor force (not currently working and not looking for work)
3 None of these, please specify:

lr003_other (other employment status prev no job in section Labor)
STRING

END OF GROUP

END OF IF

ELSE

lr003a (currently have job in section Labor)
Do you currently have a job?
1 Yes

| 2 No
END OF IF
END OF IF

/* The current job status indicator lr004 is set to "Not have a job" by default. It is then set to "Have a job" if:

- The respondent had a job per preload_hadjob and now says they stil have this job (lr001=1) or have a different job (lr001=5)
- OR the respondent did not have a job per preload_hadjob (preload_hadjob=2) and was temporarily laid off (preload_lr001=3) and now says they have this job again (lr003aa=1) or have a different job (lr003aa=5)
- OR the respondent did not have a job per preload_hadjob (preload_hadjob=2) and was on sick leave (preload_lr001=4) and now says they have this job again (lr003bb=1) or have a different job (lr003bb=5)
- OR the respondent did not have a job per preload_hadjob (preload_hadjob=2), was not temporarily laid off (preload_lr001!=3), was not on sick leave (preload_lr001!=4) and now says they have a job (lr003=2)
- OR it is unknown if the respondent had a job or not per preload_hadjob and now says they have a job (lr003a=1)

*/

lr004 := 2

IF (preload_hadjob = 1 AND (lr001 = 1 OR lr001 = 5)) OR (preload_hadjob = 2 AND preload_lr001 = 3 AND lr003aa IN (1,5)) OR (preload_hadjob = 2 AND preload_lr001 = 4 AND lr003bb IN (1,5)) OR (preload_hadjob = 2 AND preload_lr001 != 3 AND preload_lr001 != 4 AND lr003 = 2) OR (preload_hadjob = EMPTY AND lr003a = 1) THEN
| lr004 := 1
END OF IF

IF lr004 = 1 THEN
| GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

| **lr005** (self employed or work for employer in section Labor)
| In your primary job, are you self-employed or do you work for an employer?
| 1 Self-employed
| 2 Work for an employer
| 3 Other (specify)

| **lr005_other** (self employed or work for employer other in section Labor)
| Are you self-employed or do you work for an employer?

| STRING

END OF GROUP

lr019 (describe primary job in section Labor)
Do any of the following describe your primary job? Please check all that apply.
1 Independent contractor (for example, freelance worker, Uber driver, Instacart worker, independent consultant)
2 On-call worker or day laborer
3 Temporary agency worker
4 Contract company worker
5 None of the above

lr006 (how many day work past seven days in section Labor)
Out of the **past seven days**, how many days did you work at your job?

0 0 days
1 1 day
2 2 days
3 3 days
4 4 days
5 5 days
6 6 days
7 7 days

lr006a (home how many day work past seven days in section Labor)
Out of the **past seven days**, how many days did you work **from home**?

0 0 days
1 1 day
2 2 days
3 3 days
4 4 days
5 5 days
6 6 days
7 7 days

lr008 (home many hours work for pay past 7 days in section Labor)
Think of every day you worked in the **past seven days**. How many total hours did you work for pay across all the days?
RANGE 0..150

ELSE

lr016 (received unemployment insurance past 14 days in section Labor)
Have you received unemployment insurance benefits in the past fourteen days?
1 Yes

2 No
3 Unsure

IF lr016 = 1 THEN
lr017 (amount unemployment insurance in section Labor)
How much did you receive in unemployment insurance in your most recent payment?
RANGE 1..10000

IF lr017 > 5000 THEN
check_lr017 (amount over 5k in section Labor)
You entered an amount over $5,000. Is this correct?
1 Yes
2 No
END OF IF
ELSEIF LR016 = RESPONSE THEN
lr018 (why not received unemployment insurance benefits in section Labor)
Why haven't you received unemployment insurance benefits? Mark all that apply.
1 My former employer has not made me eligible
2 I am not eligible for other reasons
3 I am unsure how to apply
4 I was approved but I haven't been paid yet
5 I applied and was rejected
6 I decided not to apply
7 Other
END OF IF
END OF IF

End of section **Labor**

Start of section **Food**

fd001 (chance afford food over next three months in section Food)
What is the percent chance that you will be able to afford the food you need over the **next three months**? If you are not sure, please give your best guess.
RANGE 0..100

fd004_questions := array(1 →"fd004a", 2 →"fd004b", 3 →"fd004c", 4 →"fd004d", 5 →"fd004e", 6 →"fd004f", 7 →"fd004g", 8 →"fd004h", 9 →"fd004i", 10 →"fd004j", 11 →"fd004k", 12 →"fd004l")

/* The question series fd004a to fd004l are presented in random order per variables fd004_order with values:

- 1 Grocery store / supermarket (Ralphs, Vons, Trader Joe's, etc.) (fd004a)

- 2 Convenience store (7-Eleven, ampm, etc.) (fd004b)
- 3 Drug store (CVS, Walgreens, Rite Aid, etc.) (fd004c)
- 4 Big-box store (Target, Walmart, Costco, etc.) (fd004d)
- 5 Food pantry (fd004e)
- 6 Restaurant or café (fd004f)
- 7 Home garden (fd004g)
- 8 Online retailer (Amazon Fresh, Fresh Direct, etc.) (fd004h)
- 9 Farmer's market (fd004i)
- 10 CSA (Community Supported Agriculture) (fd004j)
- 11 Meal kit subscription (Blue Apron, Dinnerly, etc.) (fd004k)
- 12 Other (fd004l)

Note: 'Other' is always presented last.

Answer options for all questions in the series are:

- 1 Yes
- 2 No

*/

IF sizeof(fd004_order) = 0 THEN

fd004_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))
fd004_order(12) := 12

END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

fd004_intro (Section Food)
In **February 2020**, where did you usually get your food (either in person or by delivery)?

SUBGROUP OF QUESTIONS

LOOP FROM 1 TO 12

/* Question series fd004a to fd004l are presented in random order per variables fd004_order as described above. */

END OF LOOP

END OF SUBGROUP

fd004l_other (February 2020 specify other get food in section Food)
STRING

END OF GROUP

fd005_order := empty

LOOP FROM 1 TO 12

IF fd004_order(fd005cnt) = 1 AND fd004a = 1 THEN

fd005_order(fd005cnt) := 1

ELSEIF fd004_order(fd005cnt) = 2 AND fd004b = 1 THEN

fd005_order(fd005cnt) := 2

ELSEIF fd004_order(fd005cnt) = 3 AND fd004c = 1 THEN

fd005_order(fd005cnt) := 3

ELSEIF fd004_order(fd005cnt) = 4 AND fd004d = 1 THEN

fd005_order(fd005cnt) := 4

ELSEIF fd004_order(fd005cnt) = 5 AND fd004e = 1 THEN

fd005_order(fd005cnt) := 5

ELSEIF fd004_order(fd005cnt) = 6 AND fd004f = 1 THEN

fd005_order(fd005cnt) := 6

ELSEIF fd004_order(fd005cnt) = 7 AND fd004g = 1 THEN

fd005_order(fd005cnt) := 7

ELSEIF fd004_order(fd005cnt) = 8 AND fd004h = 1 THEN

fd005_order(fd005cnt) := 8

ELSEIF fd004_order(fd005cnt) = 9 AND fd004i = 1 THEN

fd005_order(fd005cnt) := 9

ELSEIF fd004_order(fd005cnt) = 10 AND fd004j = 1 THEN

fd005_order(fd005cnt) := 10

ELSEIF fd004_order(fd005cnt) = 11 AND fd004k = 1 THEN

fd005_order(fd005cnt) := 11

ELSEIF fd004_order(fd005cnt) = 12 AND fd004l = 1 THEN

fd005_order(fd005cnt) := 12

END OF IF

END OF LOOP

fd005a_asked := 2

IF sizeof(fd005_order) > 1 THEN

fd005a (February 2020 most frequent source in section Food)
You selected the following as the places where you usually got your food in February 2020. Please select your **most frequent source of food in February 2020**.
1 Grocery store / supermarket (Ralphs, Vons, Trader Joe's, etc.)
2 Convenience store (7-Eleven, ampm, etc.)
3 Drug store (CVS, Walgreens, Rite Aid, etc.)
4 Big-box store (Target, Walmart, Costco, etc.)
5 Food pantry
6 Restaurant or café
7 Home garden
8 Online retailer (Amazon Fresh, Fresh Direct, etc.)
9 Farmer's market
10 CSA (Community Supported Agriculture)
11 Meal kit subscription (Blue Apron, Dinnerly, etc.)
12 Other: (February 2020 specify other get food())

fd005a_asked := 1

ELSEIF sizeof(fd005_order) = 1 THEN

fd005a := reset(fd005_order)
fd005a_asked := 1
END OF IF

IF fd005a_asked = 1 AND fd005a IN (1,2,3,4,5,6,9,10) THEN
fd005a_dummy := fd005a

fd006a (February 2020 got in person most frequent source in section Food)
When you got your food from the **(dummy February 2020 most frequent source())** in February 2020, did you usually get it in person or have the food delivered to your home?
1 I usually got the food in person
2 I usually had the food delivered to my home

IF fd006a = 1 THEN
fd007a (February 2020 how far away most frequent source in section Food)
About how far away from your home is the **(dummy February 2020 most frequent source())** where you most frequently got your food in February 2020?
1 0.5 miles or less than a 10-minute walk
2 1 to 2 miles
3 3 to 5 miles
4 6 to 10 miles
5 11 to 15 miles
6 16 to 20 miles
7 Greater than 20 miles
END OF IF
END OF IF

fd005b_asked := 2

IF fd005a_asked = 1 AND fd005a = RESPONSE THEN
fd005_order_reduced := removeAnswer(fd005a, fd005_order)

IF sizeof(fd005_order_reduced) $>$ 1 THEN
fd005b (February 2020 second most frequent source in section Food)
You selected the following as they places where you usually got your food in February 2020. Please select your **second most frequent source of food in February 2020**. Your first, most frequent source has already been selected and cannot be selected again.
1 Grocery store / supermarket (Ralphs, Vons, Trader Joe's, etc.)
2 Convenience store (7-Eleven, ampm, etc.)
3 Drug store (CVS, Walgreens, Rite Aid, etc.)
4 Big-box store (Target, Walmart, Costco, etc.)
5 Food pantry
6 Restaurant or café

7 Home garden
8 Online retailer (Amazon Fresh, Fresh Direct, etc.)
9 Farmer's market
10 CSA (Community Supported Agriculture)
11 Meal kit subscription (Blue Apron, Dinnerly, etc.)
12 Other: (February 2020 specify other get food())

fd005b_asked := 1
ELSEIF sizeof(fd005_order_reduced) = 1 THEN
fd005b := reset(fd005_order_reduced)
fd005b_asked := 1
END OF IF
END OF IF

IF fd005b_asked = 1 AND fd005b IN (1,2,3,4,5,6,9,10) THEN
fd005b_dummy := fd005b

fd006b (February 2020 got in person second most frequent source in section Food)
When you got your food from the **(dummy February 2020 second most frequent source())** in February 2020, did you usually get it in person or have the food delivered to your home?
1 I usually got the food in person
2 I usually had the food delivered to my home

IF fd006b = 1 THEN
fd007b (February 2020 how far away second most frequent source in section Food)
About how far away from your home is the **(dummy February 2020 second most frequent source())** where you second most frequently got your food in February 2020?
1 0.5 miles or less than a 10-minute walk
2 1 to 2 miles
3 3 to 5 miles
4 6 to 10 miles
5 11 to 15 miles
6 16 to 20 miles
7 Greater than 20 miles
END OF IF
END OF IF

fd002 (food delivered to home in section Food)
In the **last 14 days**, have you had food delivered to your home?
1 Yes
2 No
3 Unsure

IF fd002 = 1 THEN

/* The answer options in fd003 are presented in random order per variables fd003_order with values:

- 1 Friend or neighbor
- 2 Family member
- 3 Local volunteer
- 4 Business or organization that provided the food
- 5 Government's Critical Delivery Service
- 6 Paid delivery service (Instacart, Uber Eats, etc)
- 7 Other

Note: 'Other' is always presented last. */

IF sizeof(fd003_order) = 0 THEN

fd003_order := shuffleArray(array(1 →1, 2 →2, 3 →3, 4 →4, 5 →5, 6 →6))
fd003_order(7) := 7

END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

fd003 (who provided food delivery in section Food)
If you have had food delivered to your home, who provided that delivery service? Please check all that apply.
1 Friend or neighbor
2 Family member
3 Local volunteer
4 Business or organization that provided the food
5 Government's Critical Delivery Service
6 Paid delivery service (Instacart, Uber Eats, etc)
7 Other, please specify:

fd003_other (other who provided food delivery in section Food)
STRING

END OF GROUP

END OF IF

fd008_questions := array(1 →"fd008a", 2 →"fd008b", 3 →"fd008c", 4 →"fd008d", 5 →"fd008e", 6 →"fd008f", 7 →"fd008g", 8 →"fd008h", 9 →"fd008i", 10 →"fd008j", 11 →"fd008k", 12 →"fd008l")

/* The question series fd008a to fd008l are presented in random order per variables fd008_order with values:

- 1 Grocery store / supermarket (Ralphs, Vons, Trader Joe's, etc.) (fd008a)
- 2 Convenience store (7-Eleven, ampm, etc.) (fd008b)
- 3 Drug store (CVS, Walgreens, Rite Aid, etc.) (fd008c)
- 4 Big-box store (Target, Walmart, Costco, etc.) (fd008d)
- 5 Food pantry (fd008e)
- 6 Restaurant or café (fd008f)
- 7 Home garden (fd008g)
- 8 Online retailer (Amazon Fresh, Fresh Direct, etc.) (fd008h)
- 9 Farmer's market (fd008i)
- 10 CSA (Community Supported Agriculture) (fd008j)
- 11 Meal kit subscription (Blue Apron, Dinnerly, etc.) (fd008k)
- 12 Other (fd008l)

Note: 'Other' is always presented last.

Answer options for all questions in the series are:

- 1 Yes
- 2 No

*/

IF sizeof(fd008_order) = 0 THEN
  fd008_order := fd004_order
END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

fd008_intro (Section Food)
In the **last 14 days**, where did you get your food (either in person or by delivery)?

SUBGROUP OF QUESTIONS

LOOP FROM 1 TO 12

/* Question series fd008a to fd008l are presented in random order per variables fd008_order as described above. */

END OF LOOP

END OF SUBGROUP

fd008l_other (last 14 days specify other get food in section Food)
STRING

END OF GROUP

fd009_order := empty

LOOP FROM 1 TO 12

IF fd008_order(fd009cnt) = 1 AND fd008a = 1 THEN

fd009_order(fd009cnt) := 1

ELSEIF fd008_order(fd009cnt) = 2 AND fd008b = 1 THEN

fd009_order(fd009cnt) := 2

ELSEIF fd008_order(fd009cnt) = 3 AND fd008c = 1 THEN

fd009_order(fd009cnt) := 3

ELSEIF fd008_order(fd009cnt) = 4 AND fd008d = 1 THEN

fd009_order(fd009cnt) := 4

ELSEIF fd008_order(fd009cnt) = 5 AND fd008e = 1 THEN

fd009_order(fd009cnt) := 5

ELSEIF fd008_order(fd009cnt) = 6 AND fd008f = 1 THEN

fd009_order(fd009cnt) := 6

ELSEIF fd008_order(fd009cnt) = 7 AND fd008g = 1 THEN

fd009_order(fd009cnt) := 7

ELSEIF fd008_order(fd009cnt) = 8 AND fd008h = 1 THEN

fd009_order(fd009cnt) := 8

ELSEIF fd008_order(fd009cnt) = 9 AND fd008i = 1 THEN

fd009_order(fd009cnt) := 9

ELSEIF fd008_order(fd009cnt) = 10 AND fd008j = 1 THEN

fd009_order(fd009cnt) := 10

ELSEIF fd008_order(fd009cnt) = 11 AND fd008k = 1 THEN

fd009_order(fd009cnt) := 11

ELSEIF fd008_order(fd009cnt) = 12 AND fd008l = 1 THEN

fd009_order(fd009cnt) := 12

END OF IF

END OF LOOP

fd009a_asked := 2

IF sizeof(fd009_order) > 1 THEN

fd009a (last 14 days most frequent source in section Food)
You selected the following as the places where you usually got your food in the last 14 days. Please select your **most frequent source of food in the last 14 days**.
1 Grocery store / supermarket (Ralphs, Vons, Trader Joe's, etc.)
2 Convenience store (7-Eleven, ampm, etc.)
3 Drug store (CVS, Walgreens, Rite Aid, etc.)
4 Big-box store (Target, Walmart, Costco, etc.)
5 Food pantry
6 Restaurant or café
7 Home garden
8 Online retailer (Amazon Fresh, Fresh Direct, etc.)
9 Farmer's market
10 CSA (Community Supported Agriculture)
11 Meal kit subscription (Blue Apron, Dinnerly, etc.)
12 Other: (last 14 days specify other get food())

fd009a_asked := 1
ELSEIF sizeof(fd009_order) = 1 THEN
fd009a := reset(fd009_order)
fd009a_asked := 1
END OF IF

IF fd009a_asked = 1 AND fd009a IN (1,2,3,4,5,6,9,10) THEN
fd009a_dummy := fd009a

fd010a (last 14 days got in person most frequent source in section Food)
When you got your food from the **(dummy last 14 days most frequent source())** in the last 14 days, did you usually get it in person or have the food delivered to your home?
1 I usually got the food in person
2 I usually had the food delivered to my home

IF fd010a = 1 THEN
fd011a (last 14 days how far away most frequent source in section Food)
About how far away from your home is the **(dummy last 14 days most frequent source())** where you most frequently got your food in the last 14 days?
1 0.5 miles or less than a 10-minute walk
2 1 to 2 miles
3 3 to 5 miles
4 6 to 10 miles
5 11 to 15 miles
6 16 to 20 miles
7 Greater than 20 miles
END OF IF
END OF IF

fd009b_asked := 2

IF fd009a_asked = 1 AND fd009a = RESPONSE THEN
fd009_order_reduced := removeAnswer(fd009a, fd009_order)

IF sizeof(fd009_order_reduced) $>$ 1 THEN
fd009b (last 14 days second most frequent source in section Food)
You selected the following as the places where you usually got your food in the last 14 days. Please select your **second most frequent source of food in the last 14 days**. Your first, most frequent source has already been selected and cannot be selected again.
1 Grocery store / supermarket (Ralphs, Vons, Trader Joe's, etc.)
2 Convenience store (7-Eleven, ampm, etc.)
3 Drug store (CVS, Walgreens, Rite Aid, etc.)

4 Big-box store (Target, Walmart, Costco, etc.)
5 Food pantry
6 Restaurant or café
7 Home garden
8 Online retailer (Amazon Fresh, Fresh Direct, etc.)
9 Farmer's market
10 CSA (Community Supported Agriculture)
11 Meal kit subscription (Blue Apron, Dinnerly, etc.)
12 Other: (last 14 days specify other get food())

fd009b_asked := 1
ELSEIF sizeof(fd009_order_reduced) = 1 THEN
fd009b := reset(fd009_order_reduced)
fd009b_asked := 1
END OF IF
END OF IF

IF fd009b_asked = 1 AND fd009b IN (1,2,3,4,5,6,9,10) THEN
fd009b_dummy := fd009b

fd010b (last 14 days got in person second most frequent source in section Food)
When you got your food from the **(dummy last 14 days second most frequent source())** in the last 14 days, did you usually get it in person or have the food delivered to your home?
1 I usually got the food in person
2 I usually had the food delivered to my home

IF fd010b = 1 THEN
fd011b (last 14 days how far away second most frequent source in section Food)
About how far away from your home is the **(dummy last 14 days second most frequent source())** where you second most frequently got your food in the last 14 days?
1 0.5 miles or less than a 10-minute walk
2 1 to 2 miles
3 3 to 5 miles
4 6 to 10 miles
5 11 to 15 miles
6 16 to 20 miles
7 Greater than 20 miles
END OF IF
END OF IF

fd012 (last 14 days eaten food that is different from February 2020 in section Food)
In the last 14 days, have you eaten food that is different from the types of food you ate in February 2020?

1 Yes
2 No
3 Unsure

IF fd012 = 1 THEN

fd013 (how food different in section Food)
What is different about the food you ate in the last 14 days, compared to the food you ate in February 2020?
STRING

END OF IF

/* The answer options in fd014 are presented in random order per variables fd014_order with values:

- 1 Nutrition Assistance (SNAP, Food Stamps, CalFresh, etc.)
- 2 Food pantries
- 3 Free delivery of groceries near your home
- 4 WIC (the Women, Infants, and Children program)
- 5 The Elder Nutrition Program (aka senior meals)
- 6 Grab and Go School Meals
- 7 Other local food programs or services
- 8 None of the above

Note: answer option 7 and 8 are always presented last. */

IF sizeof(fd014_order) = 0 THEN

fd014_order := shuffleArray(array(1 →1, 2 →2, 3 →3, 4 →4, 5 →5, 6 →6))
fd014_order(7) := 7
fd014_order(8) := 8

END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

fd014 (heard or read about food assistance programs or food services in section Food)
Have you heard or read about any of the following food assistance programs or food services? Please check all that apply.
1 Nutrition Assistance (SNAP, Food Stamps, CalFresh, etc.)
2 Food pantries
3 Free delivery of groceries near your home
4 WIC (the Women, Infants, and Children program)
5 The Elder Nutrition Program (aka senior meals)

6 Grab and Go School Meals
7 Other local food programs or services, please specify:
8 None of the above

fd014_other (other heard or read about food assistance programs or food services in section Food)
STRING

END OF GROUP

IF fd014 != 8 AND fd014 = RESPONSE THEN
Fill code of question FLFD015 executed

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

fd015 (where hear or read about food service in section Food)
Where did you hear or read about **(Nutrition Assistance (SNAP, Food Stamps, CalFresh, etc.)/Food pantries/Free delivery of groceries near your home/WIC (the Women, Infants, and Children program)/The Elder Nutrition Program (aka senior meals)/Grab and Go School Meals/Other local food programs or services: ^fd014_other)**?

Please check all that apply.
1 Television
2 Radio
3 Newspaper
4 Family, friend, coworker, and/or neighbor
5 Social media
6 Internet (not social media)
7 Magazine
8 Flyer
9 Government agency
10 Community organization
11 Employer
12 Other, please specify:

fd015_other (other where hear or read about food service in section Food)
STRING

END OF GROUP
END OF IF

End of section **Food**

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 := setCovid19DayPayment(243)

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. */