

UnderStandingAmericaStudy

UAS 244: HEALTH TRACKING LONG SURVEY WAVE 4



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1 INTRODUCTION

This UAS panel survey, titled "UAS 244: Health tracking long survey wave 4" asks respondents about the impact of the coronavirus pandemic on their lives. This survey is currently in the field. Respondents were paid \$13 to complete the survey.

Related surveys are UAS 46 (health tracking consent survey), UAS235 (long health tracking survey wave 1), UAS236 (short health tracking survey wave 1), UAS240 (long health tracking survey wave 2), UAS241 (short health tracking survey wave 2), UAS242 (long health tracking survey wave 3), UAS243 (short health tracking survey wave 3), UAS244 (long health tracking survey wave 4) and UAS245 (short health tracking survey wave 4). Tracking survey methodology details available at <https://uasdata.usc.edu/covid19>

1.1 Topics

This survey contains questions (among others) on the following topics: Consumer Behavior, Diet Lifestyle, Education, Employment Labor Market, Family, Health, Health Insurance, Housing, Income, 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 active respondents who consented to participate in UAS46.

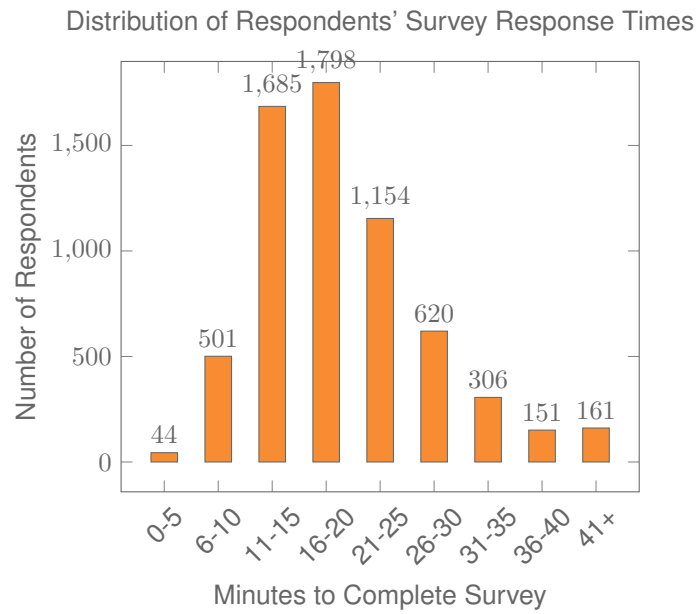
As such, this survey has so far been made available to 7420 UAS participants. Of those 7420 participants, 6437 completed the survey and are counted as respondents. Of those who are not counted as respondents, 107 started the survey without completing and 876 did not start the survey. The preliminary overall response rate is 86.75%.

The detailed survey response rate is as follows:

UAS244 - Response Overview	
Size of selected sample	7420
Completed the survey	6437
Started but did not complete the survey	107
Did not start the survey	876
Response rate	86.75%

2.2 Timings

All reported timings and response rate statistics are as of June 1, 2020. The survey took respondents an average of 20 minutes, and the full distribution of survey response times is in the figure below. Times per question are available upon request.



2.3 Weighting

Weights are not (yet) available for this survey. 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 if 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.
- **hisplatin**: 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, unemp_layoff, unemp_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, UAS242, UAS243 or UAS245) */

IF getCovid19Preload("endtime") != "" THEN

 | FLDateEarlierSurvey := date("F j Y", strtotime(getCovid19Preload("endtime")))

END OF IF

IF getCovid19Preload("endtime") != "" THEN

 | FLDateEarlierSurvey := date("F j Y", strtotime(getCovid19Preload("endtime")))

END OF IF

/* For several question series the questions are only asked if they were not answered previously in UAS242. The variable preload_uas242_endtime indicates if respondents completed UAS242 per their end date and time */

preload_uas242_endtime := getUASPreloadByCovidSuidBySurveySubset("endtime", array(242))

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)

*/

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** ^FLDateEarlier-Survey)?

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 (cr012g) Twitter
- 8 Other (cr012h)

*/

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

cr013 (have health insurance in section Corona)

Do you currently have health insurance?

- 1 Yes
- 2 No
- 3 Unsure

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:

- o 1 Gone out to a bar, club, or other place where people gather (cr015a)
- o 2 Gone to the grocery store or pharmacy (cr015b)
- o 3 Gone to a friend, neighbor, or relative's residence (that is not your own) (cr015c)
- o 4 Had visitors such as friends, neighbors or relatives at your residence (cr015d)
- o 5 Attended a gathering with more than 10 people, such as a reunion, wedding, funeral, birthday party, concert, or religious service (cr015e)
- o 6 Sought care from a hospital or health care facility (cr015f)
- o 7 Been placed in isolation or quarantine (cr015g)
- o 8 Remained in your residence at all times, except for essential activities or exercise (cr015h)
- o 9 Shared items like towels or utensils with other people (cr015i)
- o 10 Had close contact (within 6 feet) with people who live with you (cr015j)
- o 11 Had close contact (within 6 feet) with people who do not live with you (cr015k)
- o 12 Gone outside to walk, hike, or exercise (cr015l)

*/

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)

*/

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 cr016a to cr016r are presented in random order per variables cr016_order as described above. */

END OF LOOP

END OF SUBGROUP

END OF GROUP

cr017a (currently federal, state, or local governments encouraged to limit non-essential travel in section Behavior)

Are Federal, state, or local governments **currently encouraging** you to limit non-essential travel?

- 1 Yes
- 2 No
- 3 Unsure

cr018a (currently federal, state, or local governments required to limit non-essential travel in section Behavior)

Are Federal, state, or local governments **currently requiring** you to limit non-essential travel?

- 1 Yes
- 2 No
- 3 Unsure

cr019_questions := array(1 → "cr019a", 2 → "cr019b", 3 → "cr019c", 4 → "cr019d", 5 → "cr019e", 6 → "cr019f", 7 → "cr019g", 8 → "cr019h", 9 → "cr019i", 10 → "cr019j")

/* The question series cr019a to cr019j are presented in random order per variables cr019_order with values:

- 1 Wearing a face mask such as the one shown here (cr019a)

- 2 Praying (cr019b)
- 3 Washing your hands with soap or using hand sanitizer frequently (cr019c)
- 4 Seeing a doctor if you feel sick (cr019d)
- 5 Seeing a doctor if you feel healthy but worry that you were exposed (cr019e)
- 6 Avoiding public spaces, gatherings, and crowds (cr019f)
- 7 Avoiding contact with people who could be high-risk (cr019g)
- 8 Avoiding hospitals and clinics (cr019h)
- 9 Avoiding restaurants (cr019i)
- 10 Avoiding airplanes (cr019j)

*/

IF sizeof(cr019_order) = 0 THEN

cr019_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

cr019_intro (Section Behavior)

How effective are the following actions for keeping you safe from coronavirus?

SUBGROUP OF QUESTIONS

LOOP FROM 1 TO 10

/* Question series cr019a to cr019j are presented in random order per variables cr019_order as described above. */

END OF LOOP

END OF SUBGROUP

END OF GROUP

cr020_questions := array(1 →"cr020a", 2 →"cr020b", 3 →"cr020c", 4 →"cr020d", 5 →"cr020e", 6 →"cr020f", 7 →"cr020g", 8 →"cr020h", 9 →"cr020i", 10 →"cr020j", 11 →"cr020k", 12 →"cr020l", 13 →"cr020m")

/* The question series cr020a to cr020k are presented in random order per variables cr020_order with values:

- 1 Grocery shopping (cr020a)
- 2 Attending gatherings of more than 100 people (cr020b)
- 3 Going to the hospital (cr020c)
- 4 Dining in at restaurants (cr020d)
- 5 Eating take-out meals from restaurants (cr020e)
- 6 Visiting with relatives or friends in their home (cr020f)
- 7 Handling packages that have been delivered (cr020g)
- 8 Playing on playground equipment (cr020h)
- 9 Touching door knobs, countertops, and other surfaces in your home (cr020i)
- 10 Interacting closely with other members of your household (cr020j)
- 11 Going outside to walk, hike, or exercise (cr020k)
- 12 Eating or drinking in a place that provides table service and has implemented social distancing guidelines (cr020l)
- 13 Curb-side pick-up of store purchases (cr020m)

*/

IF sizeof(cr020_order) = 0 THEN

cr020_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))

END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

cr020_intro (Section Behavior)

How safe or unsafe are the following actions for avoiding exposure to coronavirus?

SUBGROUP OF QUESTIONS

LOOP FROM 1 TO 13

Value of question cr020_questions(cr020_order(cnt)) asked as question

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 next 3 months 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

/* Questions cr053a to cr053f and c054 are only asked if they were not answered previously in UAS242. */

IF preload_uas242_endtime = RESPONSE THEN

preload_cr053a := getUASPreloadByCovidSuidBySurveySubset("cr053a", array(242))

preload_cr053b := getUASPreloadByCovidSuidBySurveySubset("cr053b", array(242))

preload_cr053c := getUASPreloadByCovidSuidBySurveySubset("cr053c", array(242))

preload_cr053d := getUASPreloadByCovidSuidBySurveySubset("cr053d", array(242))

preload_cr053e := getUASPreloadByCovidSuidBySurveySubset("cr053e", array(242))

preload_cr053f := getUASPreloadByCovidSuidBySurveySubset("cr053f", array(242))

preload_cr054 := getUASPreloadByCovidSuidBySurveySubset("cr054", array(242))

END OF IF

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

/* Questions cr055a to cr055j are only asked if they were not answered previously in UAS242. */

IF preload_uas242_endtime = RESPONSE THEN

```
preload_cr055a := getUASPreloadByCovidSuidBySurveySubset("cr055a", array(242))
preload_cr055b := getUASPreloadByCovidSuidBySurveySubset("cr055b", array(242))
preload_cr055c := getUASPreloadByCovidSuidBySurveySubset("cr055c", array(242))
preload_cr055d := getUASPreloadByCovidSuidBySurveySubset("cr055d", array(242))
preload_cr055e := getUASPreloadByCovidSuidBySurveySubset("cr055e", array(242))
preload_cr055f := getUASPreloadByCovidSuidBySurveySubset("cr055f", array(242))
preload_cr055g := getUASPreloadByCovidSuidBySurveySubset("cr055g", array(242))
preload_cr055h := getUASPreloadByCovidSuidBySurveySubset("cr055h", array(242))
preload_cr055i := getUASPreloadByCovidSuidBySurveySubset("cr055i", array(242))
preload_cr055j := getUASPreloadByCovidSuidBySurveySubset("cr055j", array(242))
```

END OF IF

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

cr025_questions := array(1 → "cr025a", 2 → "cr025b", 3 → "cr025c", 4 → "cr025d")

/* The question series cr025a to cr025d are presented in random order per variables cr025_order with values:

- 1 Have many known harmful side effects (cr025a)
- 2 Provide important benefits to society (cr025b)
- 3 May lead to illness and death (cr025c)
- 4 Are useful and effective (cr025d)

*/

IF sizeof(cr025_order) = 0 THEN

| cr025_order := shuffleArray(array(1 →1, 2 →2, 3 →3, 4 →4))

END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

cr025_intro (Section Behavior)

Do you agree or disagree with the following statements?

Childhood vaccines, such as those for measles and chickenpox:

SUBGROUP OF QUESTIONS

LOOP FROM 1 TO 4

| /* Question series cr025a to cr025d are presented in random order per variables
| cr025_order as described above. */

END OF LOOP

END OF SUBGROUP

END OF GROUP

cr030 (how likely to get vaccinated for coronavirus once vaccination in section Behavior)

How likely are you to get vaccinated for coronavirus once a vaccine is available to the public?

- 1 Very unlikely
- 2 Somewhat unlikely
- 3 Somewhat likely
- 4 Very likely
- 5 Unsure

cr031_questions := array(1 →"cr031a", 2 →"cr031b", 3 →"cr031c", 4 →"cr031d")

/* The question series cr031a to cr031d are presented in random order per variables
cr031_order with values:

- 1 Most people believe that people with coronavirus are dangerous (cr031a)
- 2 Most people believe that people who used to have coronavirus are dangerous (cr031b)
- 3 Most people believe that having coronavirus is a sign of personal weakness or failure (cr031c)
- 4 If I caught the coronavirus, I would consider it a sign of my personal weakness or failure (cr031d)

*/

IF sizeof(cr031_order) = 0 THEN

| cr031_order := shuffleArray(array(1 →1, 2 →2, 3 →3, 4 →4))

END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

cr031_intro (Section Behavior)

Do you agree or disagree with the following statements?

SUBGROUP OF QUESTIONS

LOOP FROM 1 TO 4

| /* Question series cr031a to cr031d are presented in random order per variables cr031_order as described above. */

END OF LOOP

END OF SUBGROUP

END OF GROUP

End of section **Behavior**

Start of section **Abuse**

cr026_questions := array(1 →"cr026a", 2 →"cr026b", 3 →"cr026c", 4 →"cr026d", 5 →"cr026e", 6 →"cr026f", 7 →"cr026g", 8 →"cr026h", 9 →"cr026i", 10 →"cr026j", 11 →"cr026k", 12 →"cr026l", 13 →"cr026m")

/* The question series cr026a to cr026m are presented in random order per variables cr026_order with values:

- 1 Drank alcohol (cr026a)

- 2 Used cannabis products such as marijuana (cr026b)
- 3 Used recreational drugs other than alcohol or cannabis products (cr026c)
- 4 Meditated (cr026d)
- 5 Got extra exercise (cr026e)
- 6 Made time to relax (cr026f)
- 7 Connected socially with friends or family (either online or in person) (cr026g)
- 8 Spent time posting or browsing on Facebook, Twitter, Instagram, or Snapchat (cr026h)
- 9 Had a phone call or video call with a family member or a friend (cr026i)
- 10 Messaged or emailed with a family member or friend (cr026j)
- 11 Spent time interacting with a family member or friend in person (cr026k)
- 12 Smoked all or part of a cigarette (cr026l)
- 13 Used an e-cigarette or vaping device to vape e-liquids with nicotine (cr026m)

*/

IF sizeof(cr026_order) = 0 THEN

cr026_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))

END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

cr026_intro (Section Abuse)

Out of **the past 7 days**, what is your best estimate of the number of days that you did each of the following activities?

SUBGROUP OF QUESTIONS

LOOP FROM 1 TO 7

/* Question series cr026a to cr026m are presented in random order per variables cr026_order as described above. */

END OF LOOP

END OF SUBGROUP

END OF GROUP

/* Questions cr056a to cr056i and cr056i_other are only asked if they were not answered previously in UAS242. */

IF preload_uas242_endtime = RESPONSE THEN

```
preload_cr056a := getUASPreloadByCovidSuidBySurveySubset("cr056a", array(242))
preload_cr056b := getUASPreloadByCovidSuidBySurveySubset("cr056b", array(242))
preload_cr056c := getUASPreloadByCovidSuidBySurveySubset("cr056c", array(242))
preload_cr056d := getUASPreloadByCovidSuidBySurveySubset("cr056d", array(242))
preload_cr056e := getUASPreloadByCovidSuidBySurveySubset("cr056e", array(242))
preload_cr056f := getUASPreloadByCovidSuidBySurveySubset("cr056f", array(242))
preload_cr056g := getUASPreloadByCovidSuidBySurveySubset("cr056g", array(242))
preload_cr056h := getUASPreloadByCovidSuidBySurveySubset("cr056h", array(242))
preload_cr056i := getUASPreloadByCovidSuidBySurveySubset("cr056i", array(242))
preload_cr056i_other := getUASPreloadByCovidSuidBySurveySubset("cr056i_other", array(242))
```

END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

cr026_intro (Section Abuse)

Out of **the past 7 days**, what is your best estimate of the number of days that you did each of the following activities?

SUBGROUP OF QUESTIONS

LOOP FROM 8 TO 13

/* Question series cr026a to cr026m are presented in random order per variables cr026_order as described above. */

END OF LOOP

END OF SUBGROUP

END OF GROUP

IF cr026h > 0 THEN

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

cr049_intro (Section Abuse)

How frequently do you perform the following activities when you are on Facebook, Twitter, Instagram or Snapchat?

SUBGROUP OF QUESTIONS

cr049a (Browsing passively (without liking or commenting on anything) in section Abuse)

Browsing passively (without liking or commenting on anything)

- 1 Never
- 2 Rarely
- 3 Sometimes
- 4 Somewhat frequently
- 5 Very frequently

cr049b (Browsing actively (liking and commenting on posts, pictures, and updates) in section Abuse)

Browsing actively (liking and commenting on posts, pictures, and updates)

- 1 Never
- 2 Rarely
- 3 Sometimes
- 4 Somewhat frequently
- 5 Very frequently

cr049c (Sending messages or chatting with others in section Abuse)

Sending messages or chatting with others

- 1 Never
- 2 Rarely
- 3 Sometimes
- 4 Somewhat frequently
- 5 Very frequently

END OF SUBGROUP

END OF GROUP

END OF IF

IF cr026a > 0 THEN

cr026a2 (how many alcoholic drinks on typical day in section Abuse)

In the **past seven days**, how many alcoholic drinks did you have on a typical day when you drank alcohol?

RANGE 1..30

IF gender = EMPTY THEN

gender (R GENDER in section Demographics)

What is your gender?

- 1 Male
- 2 Female

END OF IF

IF gender = 1 THEN

cr050m (male 5 or more alcoholic beverages within a couple of hours in section Abuse)
In the past seven days, on how many days did you drink **5 or more** alcoholic beverages within a couple of hours?

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

ELSE

cr050f (female 4 or more alcoholic beverages within a couple of hours in section Abuse)
In the past seven days, on how many days did you drink **4 or more** alcoholic beverages within a couple of hours?

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

END OF IF

END OF IF

IF cr026b > 0 THEN

cr051 (contents of cannabis in section Abuse)
What is the content of the cannabis products that you typically use?

- 1 High THC
- 2 High CBD
- 3 Balanced THC and CBD
- 4 Unsure

cr052_questions := array(1 →"cr052a", 2 →"cr052b", 3 →"cr052c", 4 →"cr052d", 5 →"cr052e", 6 →"cr052f", 7 →"cr052g")

/* The question series cr052a to cr052g are presented in random order per vari-

ables cr052_order with values:

- 1 Smoked in a pipe, joint, or bong (cr052a)
- 2 Vaped marijuana, THC, or CBD oils or concentrates (cr052b)
- 3 Dabbed (cr052c)
- 4 Ingested edibles (cr052d)
- 5 Oil (cr052e)
- 6 Patches, gels, balms, or lotions (cr052f)
- 7 Other (cr052g)

*/

IF sizeof(cr052_order) = 0 THEN

cr052_order := shuffleArray(array(1 →1, 2 →2, 3 →3, 4 →4, 5 →5, 6 →6))
cr052_order(7) := 7

END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

cr052_intro (Section Abuse)

In the past 7 days, how did you use cannabis products?

SUBGROUP OF QUESTIONS

LOOP FROM 1 TO 7

/* Question series cr052a to cr052g are presented in random order per variables
cr052_order as described above. */

END OF LOOP

END OF SUBGROUP

END OF GROUP

END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

cr027_intro (Section Abuse)

Over the **past fourteen days**, how often have you been bothered by any of the following problems?

SUBGROUP OF QUESTIONS

cr027a (how often Feeling nervous, anxious, or on edge in section Abuse)

Feeling nervous, anxious, or on edge

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

cr027b (how often Not being able to stop or control worrying in section Abuse)

Not being able to stop or control worrying

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

cr027c (how often Feeling down, depressed, or hopeless in section Abuse)

Feeling down, depressed, or hopeless

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

cr027d (how often Little interest or pleasure in doing things in section Abuse)

Little interest or pleasure in doing things

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

END OF SUBGROUP

END OF GROUP

/* Questions cr053a to cr053f and c054 are only asked if they were not answered previously in UAS242. */

IF preload_uas242_endtime = RESPONSE THEN

```
preload_cr057a := getUASPreloadByCovidSuidBySurveySubset("cr057a", array(242))
preload_cr057b := getUASPreloadByCovidSuidBySurveySubset("cr057b", array(242))
preload_cr057c := getUASPreloadByCovidSuidBySurveySubset("cr057c", array(242))
preload_cr057d := getUASPreloadByCovidSuidBySurveySubset("cr057d", array(242))
preload_cr057e := getUASPreloadByCovidSuidBySurveySubset("cr057e", array(242))
preload_cr057f := getUASPreloadByCovidSuidBySurveySubset("cr057f", array(242))
preload_cr057g := getUASPreloadByCovidSuidBySurveySubset("cr057g", array(242))
```

```
preload_cr057h := getUASPreloadByCovidSuidBySurveySubset("cr057h", array(242))
preload_cr057i := getUASPreloadByCovidSuidBySurveySubset("cr057i", array(242))
```

END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

cr028_intro (Section Abuse)

In the **past fourteen days**, how often have you felt:

SUBGROUP OF QUESTIONS

cr028a (That you were unable to control the important things in your life in section Abuse)

That you were unable to control the important things in your life?

- 1 Never
- 2 Almost never
- 3 Sometimes
- 4 Fairly often
- 5 Very often

cr028b (Confident about your ability to handle personal problems in section Abuse)

Confident about your ability to handle personal problems?

- 1 Never
- 2 Almost never
- 3 Sometimes
- 4 Fairly often
- 5 Very often

cr028c (That things were going your way in section Abuse)

That things were going your way?

- 1 Never
- 2 Almost never
- 3 Sometimes
- 4 Fairly often
- 5 Very often

cr028d (Difficulties were piling up so high that you could not overcome them in section Abuse)

Difficulties were piling up so high that you could not overcome them?

- 1 Never
- 2 Almost never
- 3 Sometimes
- 4 Fairly often
- 5 Very often

| END OF SUBGROUP

END OF GROUP

IF preload_cr053a = EMPTY AND preload_cr053b = EMPTY AND preload_cr053c = EMPTY
AND preload_cr053d = EMPTY AND preload_cr053e = EMPTY AND preload_cr053f =
EMPTY THEN

cr053_questions := array(1 →"cr053a", 2 →"cr053b", 3 →"cr053c", 4 →"cr053d", 5
→"cr053e", 6 →"cr053f")

/* The question series cr053a to cr053f are presented in random order per variables
cr053_order with values:

- o 1 I tend to bounce back quickly after hard times (cr053a)
- o 2 I have a hard time making it through stressful events (cr053b)
- o 3 It does not take me long to recover from a stressful event (cr053c)
- o 4 It is hard for me to snap back when something bad happens (cr053d)
- o 5 I usually come through difficult times with little trouble (cr053e)
- o 6 I tend to take a long time to get over set-backs in my life (cr053f)

*/

IF sizeof(cr053_order) = 0 THEN

| cr053_order := shuffleArray(array(1 →1, 2 →2, 3 →3, 4 →4, 5 →5, 6 →6))

END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

cr053_intro (Section Abuse)

How strongly do you agree or disagree with each of the following statements?

SUBGROUP OF QUESTIONS

LOOP FROM 1 TO 6

| /* Question series cr053a to cr053f are presented in random order per variables
cr053_order as described above. */

END OF LOOP

| END OF SUBGROUP

| END OF GROUP

ELSE

cr053a := preload_cr053a
cr053b := preload_cr053b
cr053c := preload_cr053c
cr053d := preload_cr053d
cr053e := preload_cr053e
cr053f := preload_cr053f

END OF IF

IF preload_cr054 = EMPTY THEN

/* The answer options in cr054 are presented in random order per variables cr054_order with values:

- o 1 Diabetes
- o 2 Cancer (other than skin cancer)
- o 3 Heart disease
- o 4 High blood pressure
- o 5 Asthma
- o 6 Chronic lung disease such as COPD or emphysema
- o 7 Kidney disease
- o 8 An autoimmune disorder such as rheumatoid arthritis or Crohn's disease
- o 9 A mental health condition
- o 10 Obesity

Note: answer options 8 to 10 are always presented last. */

IF sizeof(cr054_order) = 0 THEN

cr054_order := shuffleArray(array(1 →1, 2 →2, 3 →3, 4 →4, 5 →5, 6 →6, 7 →7, 8 →8))
cr054_order(9) := 9
cr054_order(10) := 10
cr054_order(11) := 11

END OF IF

cr054 (doctor told medical conditoons in section Abuse)

Have you ever been told by a doctor, nurse, or other health professional that you have

any of the following medical conditions? (please select all that apply)

- 1 Diabetes
- 2 Cancer (other than skin cancer)
- 3 Heart disease
- 4 High blood pressure
- 5 Asthma
- 6 Chronic lung disease such as COPD or emphysema
- 7 Kidney disease
- 8 Autoimmune disorder such as rheumatoid arthritis or Crohn's Disease
- 9 A mental health condition
- 10 Obesity
- 11 None of the above

ELSE

cr054 := preload_cr054

END OF IF

IF preload_cr056a = EMPTY AND preload_cr056b = EMPTY AND preload_cr056c = EMPTY
AND preload_cr056d = EMPTY AND preload_cr056e = EMPTY AND preload_cr056f =
EMPTY AND preload_cr056g = EMPTY AND preload_cr056h = EMPTY AND preload_cr056i
= EMPTY THEN

cr056_questions := array(1 → "cr056a", 2 → "cr056b", 3 → "cr056c", 4 → "cr056d", 5
→ "cr056e", 6 → "cr056f", 7 → "cr056g", 8 → "cr056h", 9 → "cr056i")

/* The question series cr056a to cr056i are presented in random order per variables
cr056_order with values:

- o 1 An anxiety disorder (cr056a)
- o 2 Attention deficit hyperactivity disorder (ADHD) (cr056b)
- o 3 Bipolar disorder (cr056c)
- o 4 An eating disorder (cr056d)
- o 5 Depression or another depressive disorder (cr056e)
- o 6 Obsessive-compulsive disorder (OCD) (cr056f)
- o 7 Post-traumatic stress disorder (PTSD) (cr056g)
- o 8 Schizophrenia or another psychotic disorder (cr056h)
- o 9 Other (cr056i)

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

IF sizeof(cr056_order) = 0 THEN


```

cr056_order := shuffleArray(array(1 →1, 2 →2, 3 →3, 4 →4, 5 →5, 6 →6, 7 →7, 8 →8))
cr056_order(9) := 9
END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

  cr056_intro (Section Abuse)
  Which of the following mental health conditions has a doctor or another health profes-
  sional ever told you that you have?

  SUBGROUP OF QUESTIONS

    LOOP FROM 1 TO 9

      /* Question series cr056a to cr056i are presented in random order per variables
      cr056_order as described above. */

    END OF LOOP

  END OF SUBGROUP

  cr056i_other (specify other mental issue in section Abuse)
  STRING

END OF GROUP

ELSE
  cr056a := preload_cr056a
  cr056b := preload_cr056b
  cr056c := preload_cr056c
  cr056d := preload_cr056d
  cr056e := preload_cr056e
  cr056f := preload_cr056f
  cr056g := preload_cr056g
  cr056h := preload_cr056h
  cr056i := preload_cr056i
  cr056i_other := preload_cr056i_other
END OF IF

IF preload_cr054 = EMPTY THEN
  IF 1 IN cr054 THEN
    cr055a (since when diabetes in section Abuse)
    Did the doctor or other health professional first say that you have diabetes before or
    after March 10, 2020?
    1 Before March 10, 2020
  
```

- 2 After March 10, 2020
- 3 Unsure

END OF IF

IF 2 IN cr054 THEN

- cr055b** (since when cancer (other than skin cancer) in section Abuse)
Did the doctor or other health professional first say that you have **cancer (other than skin cancer)** before or after March 10, 2020?
- 1 Before March 10, 2020
 - 2 After March 10, 2020
 - 3 Unsure

END OF IF

IF 3 IN cr054 THEN

- cr055c** (since when heart disease in section Abuse)
Did the doctor or other health professional first say that you have **heart disease** before or after March 10, 2020?
- 1 Before March 10, 2020
 - 2 After March 10, 2020
 - 3 Unsure

END OF IF

IF 4 IN cr054 THEN

- cr055d** (since when high blood pressure in section Abuse)
Did the doctor or other health professional first say that you have **high blood pressure** before or after March 10, 2020?
- 1 Before March 10, 2020
 - 2 After March 10, 2020
 - 3 Unsure

END OF IF

IF 5 IN cr054 THEN

- cr055e** (since when asthma in section Abuse)
Did the doctor or other health professional first say that you have **asthma** before or after March 10, 2020?
- 1 Before March 10, 2020
 - 2 After March 10, 2020
 - 3 Unsure

END OF IF

IF 6 IN cr054 THEN

- cr055f** (since when chronic lung disease such as COPD or emphysema in section Abuse)
Did the doctor or other health professional first say that you have **chronic lung disease**

such as COPD or emphysema before or after March 10, 2020?

- 1 Before March 10, 2020
- 2 After March 10, 2020
- 3 Unsure

END OF IF

IF 7 IN cr054 THEN

cr055g (since when kidney disease in section Abuse)

Did the doctor or other health professional first say that you have **kidney disease** before or after March 10, 2020?

- 1 Before March 10, 2020
- 2 After March 10, 2020
- 3 Unsure

END OF IF

IF 8 IN cr054 THEN

cr055h (since when an autoimmune disorder such as rheumatoid arthritis or Crohn's disease in section Abuse)

Did the doctor or other health professional first say that you have **an autoimmune disorder such as rheumatoid arthritis or Crohn's disease** before or after March 10, 2020?

- 1 Before March 10, 2020
- 2 After March 10, 2020
- 3 Unsure

END OF IF

IF 9 IN cr054 THEN

cr055i (since when a mental health condition in section Abuse)

Did the doctor or other health professional first say that you have **a mental health condition** before or after March 10, 2020?

- 1 Before March 10, 2020
- 2 After March 10, 2020
- 3 Unsure

END OF IF

IF 10 IN cr054 THEN

cr055j (since when obesity in section Abuse)

Did the doctor or other health professional first say that you have **obesity** before or after March 10, 2020?

- 1 Before March 10, 2020
- 2 After March 10, 2020
- 3 Unsure

END OF IF

ELSE

```
cr055a := preload_cr055a
cr055b := preload_cr055b
cr055c := preload_cr055c
cr055d := preload_cr055d
cr055e := preload_cr055e
cr055f := preload_cr055f
cr055g := preload_cr055g
cr055h := preload_cr055h
cr055i := preload_cr055i
cr055j := preload_cr055j
```

END OF IF

IF preload_cr056a = EMPTY AND preload_cr056b = EMPTY AND preload_cr056c = EMPTY
AND preload_cr056d = EMPTY AND preload_cr056e = EMPTY AND preload_cr056f =
EMPTY AND preload_cr056g = EMPTY AND preload_cr056h = EMPTY AND preload_cr056i
= EMPTY THEN

LOOP FROM 1 TO 10

IF cr056_order(cnt) = 1 AND cr056a = 1 THEN

cr057a (since when an anxiety disorder in section Abuse)

Did the doctor or other health professional first say that you have **an anxiety disorder**
before or after March 10, 2020?

- 1 Before March 10, 2020
- 2 After March 10, 2020
- 3 Unsure

ELSEIF cr056_order(cnt) = 2 AND cr056b = 1 THEN

cr057b (since when attention deficit hyperactivity disorder (ADHD) in section Abuse)

Did the doctor or other health professional first say that you have **attention deficit
hyperactivity disorder (ADHD)** before or after March 10, 2020?

- 1 Before March 10, 2020
- 2 After March 10, 2020
- 3 Unsure

ELSEIF cr056_order(cnt) = 3 AND cr056c = 1 THEN

cr057c (since when bipolar disorder in section Abuse)

Did the doctor or other health professional first say that you have **bipolar disorder**
before or after March 10, 2020?

- 1 Before March 10, 2020
- 2 After March 10, 2020
- 3 Unsure

ELSEIF cr056_order(cnt) = 4 AND cr056d = 1 THEN

cr057d (since when an eating disorder in section Abuse)

Did the doctor or other health professional first say that you have **an eating disorder** before or after March 10, 2020?

- 1 Before March 10, 2020
- 2 After March 10, 2020
- 3 Unsure

ELSEIF cr056_order(cnt) = 5 AND cr056e = 1 THEN

cr057e (since when depression or another depressive disorder in section Abuse)

Did the doctor or other health professional first say that you have **depression or another depressive disorder** before or after March 10, 2020?

- 1 Before March 10, 2020
- 2 After March 10, 2020
- 3 Unsure

ELSEIF cr056_order(cnt) = 6 AND cr056f = 1 THEN

cr057f (since when obsessive-compulsive disorder (OCD) in section Abuse)

Did the doctor or other health professional first say that you have **obsessive-compulsive disorder (OCD)** before or after March 10, 2020?

- 1 Before March 10, 2020
- 2 After March 10, 2020
- 3 Unsure

ELSEIF cr056_order(cnt) = 7 AND cr056g = 1 THEN

cr057g (since when post-traumatic stress disorder (PTSD) in section Abuse)

Did the doctor or other health professional first say that you have **post-traumatic stress disorder (PTSD)** before or after March 10, 2020?

- 1 Before March 10, 2020
- 2 After March 10, 2020
- 3 Unsure

ELSEIF cr056_order(cnt) = 8 AND cr056h = 1 THEN

cr057h (since when schizophrenia or another psychotic disorder in section Abuse)

Did the doctor or other health professional first say that you have **schizophrenia or another psychotic disorder** before or after March 10, 2020?

- 1 Before March 10, 2020
- 2 After March 10, 2020

| 3 Unsure

ELSEIF cr056_order(cnt) = 9 AND cr056i = 1 THEN

| **cr057i** (since when other mental issue in section Abuse)

Did the doctor or other health professional first say that you have **another mental health condition ((specify other mental issue()))** before or after March 10, 2020?

1 Before March 10, 2020

2 After March 10, 2020

3 Unsure

END OF IF

END OF LOOP

ELSE

cr057a := preload_cr057a

cr057b := preload_cr057b

cr057c := preload_cr057c

cr057d := preload_cr057d

cr057e := preload_cr057e

cr057f := preload_cr057f

cr057g := preload_cr057g

cr057h := preload_cr057h

cr057i := preload_cr057i

END OF IF

cr058 (how often have you felt lonely in section Abuse)

In the past 7 days, how often have you felt lonely?

1 Not at all or less than 1 day

2 1-2 days

3 3-4 days

4 5-7 days

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

| **cr059_intro** (Section Abuse)

Have you received any of the following services from a mental health provider in the **past 14 days**?

SUBGROUP OF QUESTIONS

| **cr059a** (An in-person appointment in section Abuse)

An in-person appointment

1 Yes

- 2 No
- 3 Unsure

cr059b (A live video, phone, or chat interaction in section Abuse)
A live video, phone, or chat interaction

- 1 Yes
- 2 No
- 3 Unsure

cr059c (Non-live communication (such as by email) in section Abuse)
Non-live communication (such as by email)

- 1 Yes
- 2 No
- 3 Unsure

END OF SUBGROUP

END OF GROUP

```
cr029_questions := array(1 → "cr029a", 2 → "cr029b", 3 → "cr029c", 4 → "cr029d")
```

/* The question series cr029a to cr029d are presented in random order per variables
cr029_order with values:

- o 1 You were treated with less courtesy and respect than other people (cr029a)
- o 2 You received poorer service than other people at restaurants or stores (cr029b)
- o 3 People acted as if they were afraid of you (cr029c)
- o 4 You were threatened or harassed (cr029d)

*/

IF sizeof(cr029_order) = 0 THEN

| cr029_order := shuffleArray(array(1 → 1, 2 → 2, 3 → 3, 4 → 4))

END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

cr029_intro (Section Abuse)

Have any of the following things happened to you due to people thinking you might have
the coronavirus(since ^FLDateEarlierSurvey)?

SUBGROUP OF QUESTIONS

```

LOOP FROM 1 TO 4
  /* Question series cr029a to cr029d are presented in random order per variables
  cr029_order as described above. */
END OF LOOP
END OF SUBGROUP
END OF GROUP

IF preload_uas242_endtime = RESPONSE THEN
  preload_cr060 := getUASPreloadByCovidSuidBySurveySubset("cr060", array(242))
  preload_cr060_other := getUASPreloadByCovidSuidBySurveySubset("cr060_other", array(242))
  preload_cr061 := getUASPreloadByCovidSuidBySurveySubset("cr061", array(242))
  preload_cr061_other := getUASPreloadByCovidSuidBySurveySubset("cr061_other", array(242))
END OF IF

IF preload_cr060 = EMPTY THEN
  GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

  cr060 (sexual identity in section Abuse)
  Thinking about your sexual identity, how would you define yourself?
  1 Homosexual or gay or lesbian or "not straight"
  2 Bisexual
  3 Heterosexual or straight or "not gay"
  4 Some other description (please specify):

  cr060_other (other sexual identity in section Abuse)
  STRING

END OF GROUP
ELSE
  cr060 := preload_cr060
  cr060_other := preload_cr060_other
END OF IF

IF preload_cr061 = EMPTY THEN
  GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

```


cr061 (gender identity in section Abuse)

Thinking about your gender identity, how would you define yourself? (Check all that apply)

- 1 Woman
- 2 Man
- 3 Trans woman
- 4 Trans man
- 5 Non-binary, gender-nonconforming, or genderqueer
- 6 Some other description (please specify):

cr061_other (other gender identity in section Abuse)

STRING

END OF GROUP

ELSE

cr061 := preload_cr061

cr061_other := preload_cr061_other

END OF IF

End of section **Abuse**

Start of section **Labor**

/* The current job status series below is partially dependent on any previously known job status. To this end variables cr008 (in UAS230, called lr004 in UAS235, UAS236, and UAS241) and lr001 (asked in UAS235, UAS236, and UAS241) are preloaded. These take the following values:

- o preload_hadjob: 1 Yes, 2 No
- o 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".
- o preload_lr003: "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)", and "3 None of these";

*/

preload_hadjob := getCovid19Preload("cr008")

preload_lr001 := getCovid19Preload("lr001")

preload_lr003 := getCovid19Preload("lr003")

IF preload_hadjob = 1 THEN

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

Ir001 (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

Ir001_other (other employment status in section Labor)

STRING

END OF GROUP

IF Ir001 = 2 OR Ir001 = 3 OR Ir001 = 4 THEN

Ir002 (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_Ir001 = 3 THEN

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

Ir003aa (job status after laid off in section Labor)

You told us on (^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:

Ir003aa_other (other job status after laid off in section Labor)

```

| STRING
|
| END OF GROUP
ELSEIF preload.Ir001 = 4 THEN
| GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN
|
| Ir003bb (job status after sick leave in section Labor)
| You told us on ( ^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:
|
| Ir003bb_other (other job status after sick leave in section Labor)
| STRING
|
| END OF GROUP
ELSE
| IF preload.Ir003 = 4 THEN
| GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN
|
| Ir003cc (job status after retired in section Labor)
| You told us on ( ^FLDateEarlierSurvey) that you were retired. Which statement
| best reflects your current employment status?
| 1 I am still retired
| 2 I now have a job
| 3 I am unemployed and looking for work
| 4 None of these, please specify:
|
| Ir003cc_other (other job status after retired in section Labor)
| STRING
|
| END OF GROUP
ELSEIF preload.Ir003 = 5 THEN
| GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN
|
| Ir003dd (job status after not in labor force in section Labor)
| You told us on ( ^FLDateEarlierSurvey) that you were not in the labor force.
| Which statement best reflects your current employment status?
| 1 I am still not in the labor force (not currently working and not looking for work)
| 2 I now have a job

```

```

3 I am unemployed and looking for work
4 I am retired
5 None of these, please specify:

lr003dd_other (other job status after not in labor force 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
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:

- o 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)
- o 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)
- o 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 is known to have had a job or not per preload_hadjob (preload_hadjob = response) and was not temporarily laid off (preload.lr001!=3) and was not on sick leave (preload.lr001!=4) and was retired (preload.lr003 = 4) and now says they have a job (lr003cc=2)
- OR the respondent is known to have had a job or not per preload_hadjob (preload_hadjob = response) and was not temporarily laid off (preload.lr001!=3) and was not on sick leave (preload.lr001!=4) and was not in the work force (preload.lr003 = 5) and now says they have a job (lr003dd=2)
- 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)) THEN

| lr004 := 1

ELSEIF (preload_hadjob = 2 AND preload.lr001 = 3 AND lr003aa IN (1,5)) THEN

| lr004 := 1

ELSEIF (preload_hadjob = 2 AND preload.lr001 = 4 AND lr003bb IN (1,5)) THEN

| lr004 := 1

ELSEIF (preload_hadjob = RESPONSE AND preload.lr001 != 3 AND preload.lr001 != 4 AND preload.lr003 = 4 AND lr003cc = 2) THEN

| lr004 := 1

ELSEIF (preload_hadjob = RESPONSE AND preload.lr001 != 3 AND preload.lr001 != 4 AND preload.lr003 = 5 AND lr003dd = 2) THEN

| lr004 := 1

ELSEIF (preload_hadjob = 2 AND preload.lr001 != 3 AND preload.lr001 != 4 AND lr003 = 2) THEN

| lr004 := 1

ELSEIF (preload_hadjob = EMPTY AND lr003a = 1) THEN

| lr004 := 1

END OF IF

IF lr004 = 1 THEN

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

Ir005 (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)

Ir005_other (self employed or work for employer other in section Labor)

STRING

END OF GROUP

Ir019 (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

Ir006 (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

Ir008 (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

Ir009 (hours reduced since previous survey in section Labor)

Have your work hours been reduced(**since** `^FLDateEarlierSurvey/` **since March 1, 2020**)?

- 1 Yes
- 2 No

3 Unsure

IF Ir005 = 2 THEN

Ir020 (employer instructed you to work from home in section Labor)

Has your employer instructed you to work from home?

1 Yes

2 No

3 Unsure

END OF IF

Ir007 (how many day work from home 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

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

Ir010 (how frequently paid in section Labor)

How frequently are you paid for your job?

1 Monthly

6 Twice a month

2 Every two weeks

3 Every week

4 Every day

5 Other (specify)

Ir010_other (how frequently paid other in section Labor)

How frequently are you paid?

STRING

END OF GROUP

Ir011 (amount most recent paycheck in section Labor)

What was the amount on your most recent paycheck?

RANGE 1..10000000

IF Ir011 > 50000 THEN

check.Ir011 (amount over 50k in section Labor)
You entered an amount over \$50,000. Is this correct?
1 Yes
2 No

END OF IF

Ir012 (amount before or after taxes in section Labor)
Is that amount before or after taxes were withheld?
1 Before taxes (gross)
2 After taxes (net)
3 Unsure

Ir013 (how many days stay home and still get paid in section Labor)
If you get sick, how many days can you stay home from your job and still get paid?
1 0
2 1-7
3 8-14
4 More than 14

IF Ir013 > 1 AND Ir005 = 2 THEN

Ir014 (require permission to use sick days in section Labor)
Do you require your employer's permission to use these sick days?
1 Yes
2 No
3 Unsure

END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

Ir015 (percent chance you lose your job in section Labor)
The coronavirus may cause economic challenges for some people regardless of whether they are actually infected.

What is the percent chance that you will lose your job because of the coronavirus within the **next three months**?
RANGE 0..100

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

END OF GROUP

ELSE

Ir016 (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 Ir016 = 1 THEN

Ir017 (amount unemployment insurance in section Labor)

How much did you receive in unemployment insurance in your most recent payment?

RANGE 1..10000

IF Ir017 > 5000 THEN

check_Ir017 (amount over 5k in section Labor)

You entered an amount over \$5,000. Is this correct?

- 1 Yes
- 2 No

END OF IF

IF Ir017 > 0 THEN

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

Ir017a (how often receive unemployment insurance in section Labor)

How often do you expect to receive this amount?

- 1 Once every week
- 2 Once every two weeks
- 3 Once every month
- 4 Another interval, please specify:
- 5 Unsure

Ir017a_other (other how often receive unemployment insurance in section Labor)

STRING

END OF GROUP

END OF IF

ELSEIF Ir016 = RESPONSE THEN

Ir018 (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

/* Questions Ir019a, Ir020a, Ir021 and Ir022 are only asked if they were not answered previously in UAS242. */

IF preload_uas242_endtime = RESPONSE THEN

```
preload_Ir019a := getUASPreloadByCovidSuidBySurveySubset("Ir019a", array(242))
preload_Ir020a := getUASPreloadByCovidSuidBySurveySubset("Ir020a", array(242))
preload_Ir021 := getUASPreloadByCovidSuidBySurveySubset("Ir021", array(242))
preload_Ir022 := getUASPreloadByCovidSuidBySurveySubset("Ir022", array(242))
```

END OF IF

IF preload_Ir019a = EMPTY THEN

Ir019a (February 2020 employment type in section Labor)

Thinking back to February 2020, were you employed by the government, employed by a private company, employed by a nonprofit organization, self-employed, not employed or retired?

- 1 Government (Federal, State, or Local)
- 2 Private-for-profit company
- 3 Non-profit organization including tax exempt and charitable organizations
- 4 Self-employed
- 5 Not employed
- 6 Retired

IF Ir019a IN (1,2,3) THEN

Ir021 (February 2020 number of employees in section Labor)

About how many employees (including yourself) worked for this company or organization? If the company or organization has more than one location, add up all employees at the different locations.

- 1 Less than 5
- 2 5-14
- 3 15-24
- 4 25-49
- 5 50-99
- 6 100-499
- 7 500-1,000
- 8 1,000-5,000
- 9 5,000-50,000
- 10 More than 50,000
- 11 Unsure

ELSEIF Ir019a = 4 THEN

Ir022 (February 2020 self-employed number of employees in section Labor)

Including yourself, how many people worked in your business or organization in February 2020?

- 1 1 (Just me)

- 2 2-4
- 3 5-14
- 4 15-24
- 5 25-49
- 6 50-99
- 7 100-499
- 8 500-1,000
- 9 1,000-5,000
- 10 5,000-50,000
- 11 More than 50,000
- 12 Unsure

END OF IF

IF Ir019a IN (1,2,3,4) THEN

Ir020a (February 2020 interaction within six feet in section Labor)

Some people have jobs that require them to interact with people face to face in the same location. Thinking back to **February 2020**, how often did your job require you to come within six feet of other people (such as customers, clients, patients, or coworkers)?

- 1 Never
- 2 Less than once per week
- 3 1-2 times per week
- 4 Several times per week
- 5 Nearly every day
- 6 Every day

END OF IF

ELSE

Ir019a := preload_Ir019a
 Ir020a := preload_Ir020a
 Ir021 := preload_Ir021
 Ir022 := preload_Ir022

END OF IF

IF Ir004 = 1 THEN

Ir026 (currently interaction within six feet in section Labor)

How often does your job **currently** require you to come within six feet of other people (such as customers, clients, patients, or coworkers)?

- 1 Never
- 2 Less than once per week
- 3 1-2 times per week
- 4 Several times per week
- 5 Nearly every day
- 6 Every day

END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

Ir023_intro (Section Labor)

To encourage social distancing, some governments have imposed restrictions on some businesses and organizations. Since February 2020, has **the government** imposed any of the following restrictions on businesses or organizations like yours:

SUBGROUP OF QUESTIONS

Ir023a (Ordered them to close completely in section Labor)

Ordered them to close completely

- 1 Yes
- 2 No
- 3 Unsure

Ir023b (Ordered them to substantially limit operations in section Labor)

Ordered them to substantially limit operations

- 1 Yes
- 2 No
- 3 Unsure

Ir023c (Ordered employees to work from home in section Labor)

Ordered employees to work from home

- 1 Yes
- 2 No
- 3 Unsure

END OF SUBGROUP

END OF GROUP

IF Ir023a = 1 THEN

Ir024a (government allowed to reopen in section Labor)

Has **the government** allowed businesses or organizations like yours to reopen?

- 1 Yes, completely
- 2 Yes, partially or with restrictions
- 3 No
- 4 Unsure

END OF IF

IF Ir023b = 1 THEN

Ir024b (government allowed to resume fully in section Labor)

Has **the government** allowed businesses or organizations like yours to resume normal

- operations?
- 1 Yes, completely
 - 2 Yes, partially or with restrictions
 - 3 No
 - 4 Unsure

END OF IF

IF Ir023c = 1 THEN

Ir024c (government allowed to stop working from home in section Labor)

Has **the government** allowed employees to stop working from home?

- 1 Yes
- 2 No
- 3 Unsure

END OF IF

IF Ir019a IN (1,2,3,4) THEN

Ir025 (government identified business as essential in section Labor)

Has the government identified your business or organization as "essential" during the coronavirus epidemic?

- 1 Yes
- 2 No
- 3 Unsure

END OF IF

Ir026a (married or with partner in section Labor)

Are you married, or do you have a partner who you live with?

- 1 Yes
- 2 No

IF Ir026a = 1 THEN

Ir027 (February 2020 employment status spouse/partner in section Labor)

Which statement best reflects the employment status of your spouse or partner in **February 2020**?

- 1 My spouse or partner was employed and had a job
- 2 My spouse or partner was unemployed and was looking for work
- 3 My spouse or partner was temporarily laid off
- 4 My spouse or partner was on sick leave or other leave
- 5 My spouse or partner was not in the labor force (not employed and not looking for work)
- 6 My spouse or partner was retired
- 7 None of these

Ir028 (current employment status spouse/partner in section Labor)

Which statement best reflects the **current** employment status of your spouse or partner?

- 1 My spouse or partner is employed and has a job
- 2 My spouse or partner is unemployed and looking for work
- 3 My spouse or partner is temporarily laid off
- 4 My spouse or partner is on sick leave or other leave
- 5 My spouse or partner is not in the labor force (not employed and not looking for work)
- 6 My spouse or partner is retired
- 7 None of these

IF Ir027 = RESPONSE AND Ir028 = RESPONSE AND Ir027 != Ir028 THEN
GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

Ir029_intro (employment status changed in section Labor)

When did the employment status of your spouse or partner change?

If you're not sure, just give your best guess

Ir029_month (month unemployment status changed in section Labor)

- 2 February
- 3 March
- 4 April
- 5 May

Ir029_day (day unemployment status changed in section Labor)

- 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
- 19 19
- 20 20
- 21 21
- 22 22

```

23 23
24 24
25 25
26 26
27 27
28 28
29 29
30 30
31 31

END OF GROUP
END OF IF

IF Ir028 = 1 THEN
  Ir030 (spouse/partner hours reduced in section Labor)
  Have your spouse or partner's hours been reduced since February 2020?
  1 Yes
  2 No
  3 Unsure
END OF IF
END OF IF

```

End of section **Labor**

Start of section **Economic**

```
preload_ei007 := getCovid19Preload("ei007")
```

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

ei001 (chance run out of money in section Economic)
The coronavirus may cause economic challenges for some people regardless of whether they are actually infected.

What is the percent chance you will run out of money because of the coronavirus in the **next three months**?

RANGE 0..100

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

END OF GROUP

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

ei003 (did you eat less in section Economic)

In the **past seven days**, did you eat less than you thought you should because of a lack of money or other resources?

- 1 Yes
- 2 No
- 3 Unsure

ei004 (did you go without eating in section Economic)

In the **past seven days**, did you go without eating for a whole day because of a lack of money or other resources?

- 1 Yes
- 2 No
- 3 Unsure

```
ei005_questions := array(1 → "ei005a", 2 → "ei005b", 3 → "ei005c", 4 → "ei005d", 5 → "ei005e",  
6 → "ei005f", 7 → "ei005g", 8 → "ei005h", 9 → "ei005i", 10 → "ei005j", 11 → "ei005k", 12  
→ "ei005l", 13 → "ei005m")
```

/* The question series ei005a to ei005m are presented in random order per variables ei005_order with values:

- 1 Medicaid (ei005a)
- 2 Medicare (ei005b)
- 3 Social Security (ei005c)
- 4 Supplemental Security Income (SSI) (ei005d)
- 5 Social Security Disability Insurance (SSDI) (ei005e)
- 6 Special Supplemental Assistance Program for Women, Infants, and Children (WIC) (ei005f)
- 7 Temporary Assistance for Needy Families (TANF) (ei005g)
- 8 Supplemental Nutrition Assistance Program (SNAP or Food Stamps) (ei005h)
- 9 Children's Health Insurance Program (CHIP) (ei005i)
- 10 Housing Assistance (e.g. Section 8 or vouchers) (ei005j)
- 11 Earned Income Tax Credit (EITC) (ei005k)

- o 12 Economic stimulus funds (ei005l)
- o 13 Aid for people or businesses affected by the coronavirus epidemic (ei005m)

*/

IF sizeof(ei005_order) = 0 THEN

ei005_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))

END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

ei005_intro (past month receive any of following intro in section Economic)

In the past month, did you or anyone in your household receive any of the following government benefits?

SUBGROUP OF QUESTIONS

LOOP FROM 1 TO 13

/* Question series ei005a to ei005m are presented in random order per variables ei005_order as described above. */

END OF LOOP

END OF SUBGROUP

END OF GROUP

IF ei005h = 1 THEN

ei006 (able to use SNAP in section Economic)

Were you able to use your SNAP (Food Stamps) benefits at the grocery store?

- 1 Yes
- 2 No
- 3 I did not try

END OF IF

IF preload_ei007 = EMPTY THEN

ei007 (file tax return in section Economic)

Did you file a tax return this year or last year?

- 1 Yes
- 2 No
- 3 Unsure

ELSE

| ei007 := preload_ei007

END OF IF

ei008 (owe money on student loans in section Economic)

Do you owe money on student loans?

1 Yes

2 No

IF ei008 = 1 THEN

ei009 (permission to delay payment on student loans in section Economic)

Have you received permission from your lender to delay or reduce payment on your student loans?

1 Yes

2 No

ei010 (missed payment in the past in section Economic)

In the past month, did you miss or delay payment on your student loans, or did you pay less than the full amount?

1 Yes

2 No

END OF IF

ei011 (do you have a mortgage in section Economic)

Do you have a mortgage?

1 Yes

2 No

IF ei011 = 1 THEN

ei012 (permission to delay mortgage payment in section Economic)

Have you received permission from your lender to delay or reduce payment on your mortgage?

1 Yes

2 No

ei013 (past month delay payment on mortgage in section Economic)

In the past month, did you miss or delay payment on your mortgage, or did you pay less than the full amount?

1 Yes

2 No

END OF IF

ei014 (rent primary residence in section Economic)

Do you rent your primary residence?

1 Yes

2 No

IF ei014 = 1 THEN

ei015 (permission to delay or reduce rent payment in section Economic)

Have you received permission from your landlord to delay or reduce payment of your rent?

1 Yes

2 No

ei016 (past month missed or delay rent payment in section Economic)

In the past month, did you miss or delay payment of your rent, or did you pay less than the full amount?

1 Yes

2 No

END OF IF

ei017 (how confident you could come up with 2000 in section Economic)

How confident are you that you could come up with \$2,000 if an unexpected need arose within the next month?

1 I am certain I could come up with the full \$2,000

2 I could probably come up with \$2,000

3 I could probably **not** come up with \$2,000

4 I am certain I could **not** come up with \$2,000

5 Don't know

6 Prefer not to say

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

ei018_intro (emergency expense 400 dollars info in section Economic)

Suppose now you have an emergency expense that costs \$400. Based on your current financial situation, how would you pay this expense? If you would use more than one method, please select all that apply.

SUBGROUP OF QUESTIONS

ei018a (By putting it on my credit card and paying it off in full at the next statement in section Economic)

By putting it on my credit card and paying it off in full at the next statement

1 Yes

2 No

3 Unsure

ei018b (By putting it on my credit card and paying it off over time in section Eco-

conomic)

By putting it on my credit card and paying it off over time

1 Yes

2 No

3 Unsure

ei018c (With the money currently in my checking/savings account or with cash in section Economic)

With the money currently in my checking/savings account or with cash

1 Yes

2 No

3 Unsure

ei018d (Using a bank loan or line of credit in section Economic)

Using a bank loan or line of credit

1 Yes

2 No

3 Unsure

ei018e (By borrowing from a friend or family member in section Economic)

By borrowing from a friend or family member

1 Yes

2 No

3 Unsure

ei018f (Using a payday loan, deposit advance, or overdraft in section Economic)

Using a payday loan, deposit advance, or overdraft

1 Yes

2 No

3 Unsure

ei018g (By selling something in section Economic)

By selling something

1 Yes

2 No

3 Unsure

ei018h (I wouldn't be able to pay for the expense right now in section Economic)

I wouldn't be able to pay for the expense right now

1 Yes

2 No

3 Unsure

END OF SUBGROUP

END OF GROUP

ei019 (something been stolen in last 7 days in section Economic)

In the **past seven days**, has anything belonging to you been stolen, such as a wallet or purse, clothing, jewelry, things in your home, or things in your vehicle?

- 1 Yes
- 2 No
- 3 Unsure

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

ei020_intro (My neighborhood is clean in section Economic)

Do you agree or disagree with each of the following statements?

SUBGROUP OF QUESTIONS

ei020 (My neighborhood is clean in section Economic)

My neighborhood is clean

- 1 Strongly disagree
- 2 Disagree
- 3 Agree
- 4 Strongly agree

ei021 (There is too much crime in my neighborhood in section Economic)

There is too much crime in my neighborhood

- 1 Strongly disagree
- 2 Disagree
- 3 Agree
- 4 Strongly agree

ei022 (Vandalism is common in my neighborhood in section Economic)

Vandalism is common in my neighborhood

- 1 Strongly disagree
- 2 Disagree
- 3 Agree
- 4 Strongly agree

ei023 (There are too many people hanging around on the streets near my home in section Economic)

There are too many people hanging around on the streets near my home

- 1 Strongly disagree
- 2 Disagree
- 3 Agree
- 4 Strongly agree

| END OF SUBGROUP

END OF GROUP

ei024 (threat coronavirus outbreak to household finances in section Economic)

How much of a threat would you say the coronavirus outbreak is to your household's finances?

- 1 A substantial threat
- 2 A moderate threat
- 3 Not much of a threat
- 4 Not a threat at all

End of section **Economic**

Start of section **Entrepreneurship**

en.intro (Section Entrepreneurship)

We have several questions for business owners, entrepreneurs, self-employed people, and people who employ others in their businesses in addition to themselves.

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

en001.intro (Section Entrepreneurship)

Did any of the following descriptions apply to you in **February 2020**?

SUBGROUP OF QUESTIONS

en001a (I was a business owner in section Entrepreneurship)

I was a business owner

- 1 Yes
- 2 No
- 3 Unsure

en001b (I was self-employed in section Entrepreneurship)

I was self-employed

- 1 Yes
- 2 No
- 3 Unsure

en001c (I was an entrepreneur who employed at least one other person in section Entrepreneurship)

I was an entrepreneur who employed at least one other person

- 1 Yes
- 2 No

| 3 Unsure

END OF SUBGROUP

END OF GROUP

IF en001a = 1 OR en001b = 1 OR en001c = 1 THEN

en003_intro (Section Entrepreneurship)

The following questions ask about your business or entrepreneurial activities in **February 2020** (before the start of the coronavirus epidemic).

If you have multiple businesses or entrepreneurial activities, think of the one in which you work the most hours or receive the most pay.

en003 (February 2020 total monthly receipts or income in section Entrepreneurship)

What were the total monthly receipts or income of your business or entrepreneurial activity in **February 2020**? If you're not sure, just give your best guess.

RANGE 0..100000000

en004 (February 2020 number of full-time employees in section Entrepreneurship)

How many **full-time employees other than yourself** did you have in **February 2020**?

Only count people who worked on your payroll for at least 30 hours per week for at least one week.

RANGE 0..1000000

en005 (February 2020 number of part-time employees in section Entrepreneurship)

How many **part-time employees other than yourself** did you have in **February 2020**? Only count people who worked on your payroll for at least 30 hours per week for at least one week.

RANGE 0..1000000

en006_questions := array(1 → "en006a", 2 → "en006b", 3 → "en006c", 4 → "en006d", 5 → "en006e", 6 → "en006f", 7 → "en006g", 8 → "en006h", 9 → "en006i")

/* The question series en006a to en006i are presented in random order per variables en006_order with values:

- o 1 Zoom (en006a)

- 2 Google Hangouts (en006b)
- 3 Google Duo (en006c)
- 4 Skype (en006d)
- 5 Website(s) (en006e)
- 6 Email (en006f)
- 7 Phone (en006g)
- 8 Text messaging (en006h)
- 9 Other (en006i)

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

IF sizeof(en006_order) = 0 THEN

```
en006_order := shuffleArray(array(1 →1, 2 →2, 3 →3, 4 →4, 5 →5, 6 →6, 7 →7, 8 →8))
en006_order(9) := 9
```

END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

en006_intro (Section Entrepreneurship)

Which tools did you use to operate your business or entrepreneurial activities online in **February 2020**? Please mark all that apply.

SUBGROUP OF QUESTIONS

LOOP FROM 1 TO 9

```
/* Question series en006a to en006i are presented in random order per variables
en006_order as described above. */
```

END OF LOOP

END OF SUBGROUP

en006i_other (February 2020 specify other tool in section Entrepreneurship)

STRING

END OF GROUP

END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

en007_intro (Section Entrepreneurship)

Do any of the following descriptions apply to you **now**?

SUBGROUP OF QUESTIONS

en007a (I am a business owner in section Entrepreneurship)

I am a business owner

- 1 Yes
- 2 No
- 3 Unsure

en007b (I am self-employed in section Entrepreneurship)

I am self-employed

- 1 Yes
- 2 No
- 3 Unsure

en007c (I am an entrepreneur who employed at least one other person in section Entrepreneurship)

I am an entrepreneur who employed at least one other person

- 1 Yes
- 2 No
- 3 Unsure

END OF SUBGROUP

END OF GROUP

IF en007a IN (2,3) OR en007b IN (2,3) OR en007c IN (2,3) THEN

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

en008_intro (Section Entrepreneurship)

Do any of the following descriptions apply to you **now**?

SUBGROUP OF QUESTIONS

IF en007a IN (2,3) THEN

en008a (I am interested in becoming a business owner in section Entrepreneurship)

I am **interested** in becoming a business owner

- 1 Yes
- 2 No
- 3 Unsure

END OF IF

IF en007b IN (2,3) THEN

en008b (I am interested in becoming self-employed in section Entrepreneurship)
I am **interested** in becoming self-employed
1 Yes
2 No
3 Unsure

END OF IF

IF en007c IN (2,3) THEN

en008c (I am interested in becoming an entrepreneur who employs at least one other person in section Entrepreneurship)
I am **interested** in becoming an entrepreneur who employs at least one other person
1 Yes
2 No
3 Unsure

END OF IF

END OF SUBGROUP

END OF GROUP

END OF IF

IF en007a = 1 OR en007b = 1 OR en007c = 1 THEN

en009_intro (Section Entrepreneurship)

The following questions ask about your business or entrepreneurial activities **now**.

If you have multiple businesses or entrepreneurial activities, think of the one in which you work the most hours or receive the most pay.

en009 (expected total monthly receipts or income in section Entrepreneurship)

How much are the expected total receipts or income of your business or entrepreneurial activity in **May 2020**? If you're not sure, just give your best guess.

RANGE 0..100000000

en010 (currently number of full-time employees in section Entrepreneurship)

How many **full-time employees** other than yourself do you have **currently**?

Only count people who worked or intend to work on your payroll for at least 30

hours per week for at least one week.

RANGE 0..1000000

en011 (currently number of part-time employees in section Entrepreneurship)
How many **part-time employees** other than yourself do you have **currently**?

Only count people who worked or intend to work on your payroll for at least 30 hours per week for at least one week.

RANGE 0..1000000

```
en012_questions := array(1 → "en012a", 2 → "en012b", 3 → "en012c", 4 → "en012d",  
5 → "en012e", 6 → "en012f", 7 → "en012g", 8 → "en012h", 9 → "en012i")
```

/* The question series en012a to en012i are presented in random order per variables en012_order with values:

- 1 Zoom (en006a)
- 2 Google Hangouts (en006b)
- 3 Google Duo (en006c)
- 4 Skype (en006d)
- 5 Website(s) (en006e)
- 6 Email (en006f)
- 7 Phone (en006g)
- 8 Text messaging (en006h)
- 9 Other (en006i)

Note: the en012_order order matches the one in en006_order. Also, 'Other' is always asked last. */

```
IF sizeof(en012_order) = 0 THEN
```

```
  IF sizeof(en006_order) = 0 THEN
```

```
    en012_order := shuffleArray(array(1 → 1, 2 → 2, 3 → 3, 4 → 4, 5 → 5, 6 → 6, 7 → 7, 8  
    → 8))
```

```
    en012_order(9) := 9
```

```
  ELSE
```

```
    en012_order := en006_order
```

```
  END OF IF
```

END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

en012_intro (Section Entrepreneurship)

Which tools do you **currently** use to operate your business or entrepreneurial activities online? Please mark all that apply.

SUBGROUP OF QUESTIONS

LOOP FROM 1 TO 9

/* Question series en012a to en012i are presented in random order per variables en012_order as described above. */

END OF LOOP

END OF SUBGROUP

en012i_other (currently specify other tool in section Entrepreneurship)
STRING

END OF GROUP

en013 (have any cash reserves in section Entrepreneurship)

Do you currently have any cash reserves?

- 1 Yes
- 2 No
- 3 Unsure

IF en013 = 1 THEN

en013a (how long cash reserves will allow to continue in section Entrepreneurship)

How long will your current cash reserves allow you to continue your business or entrepreneurial activity?

- 1 Less than 3 months
- 2 3-6 months
- 3 7-12 months
- 4 More than 12 months
- 5 Unsure

END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

en014_intro (Section Entrepreneurship)

Have you used any of the following financing strategies **since February 2020**?

SUBGROUP OF QUESTIONS

en014a (I have borrowed from private lenders in section Entrepreneurship)

I have borrowed from private lenders

- 1 Yes
- 2 No
- 3 Unsure

en014b (I have borrowed from government or stimulus programs in section Entrepreneurship)

I have borrowed from government or stimulus programs

- 1 Yes
- 2 No
- 3 Unsure

en014c (I have received grants from private individuals in section Entrepreneurship)

I have received grants from private individuals

- 1 Yes
- 2 No
- 3 Unsure

en014d (I have received grants from the government or stimulus programs in section Entrepreneurship)

I have received grants from the government or stimulus programs

- 1 Yes
- 2 No
- 3 Unsure

en014e (other financing strategy in section Entrepreneurship)

Other, please specify:

- 1 Yes
- 2 No
- 3 Unsure

END OF SUBGROUP

en014e_other (specify other financing strategy in section Entrepreneurship)

STRING

END OF GROUP

/* The answer options in en015 are presented in random order per variables en015_order

with values:

- 1 A positive impact
- 2 A negative impact
- 3 No impact
- 4 Unsure

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

IF sizeof(en015_order) = 0 THEN

```
en015_order := shuffleArray(array(1 →1, 2 →2, 3 →3))
en015_order(4) := 4
```

END OF IF

en015 (corona impact on finances in section Entrepreneurship)

Has the coronavirus epidemic had a positive impact, a negative impact, or no impact on **the finances** of your business or entrepreneurial activity?

- 1 A positive impact
- 2 A negative impact
- 3 No impact
- 4 Unsure

/* The answer options in en016 are presented in random order per variables en016_order with values:

- 1 Delay
- 2 Accelerate
- 3 Neither delay nor accelerate
- 4 Unsure

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

IF sizeof(en016_order) = 0 THEN

```
en016_order := shuffleArray(array(1 →1, 2 →2, 3 →3))
en016_order(4) := 4
```

END OF IF

en016 (corona led to change expansion in section Entrepreneurship)

Has the coronavirus epidemic led you to accelerate, delay, or not change the expansion of your business or entrepreneurial activity?

- 1 Delay

- 2 Accelerate
- 3 Neither delay nor accelerate
- 4 Unsure

en017 (corona interfered with normal business operations in section Entrepreneurship)

Has the coronavirus epidemic interfered with your normal business operations?

- 1 Yes
- 2 No
- 3 Unsure

IF en017 = 1 THEN

en017a (how long to return to February 2020 income in section Entrepreneurship)

Once your business operations return to normal, how long will it take for your business or entrepreneurial activity to return to its level of monthly receipts or income in **February 2020**?

- 1 Less than 3 months
- 2 3-6 months
- 3 7-12 months
- 4 More than 12 months
- 5 Unsure

END OF IF

en018 (corona created new businesses in section Entrepreneurship)

Have you responded to the coronavirus epidemic by creating any new businesses or entrepreneurial activities?

- 1 Yes
- 2 No
- 3 Unsure

IF en018 = 1 THEN

en018a (corona food or other essential when created new businesses in section Entrepreneurship)

Do any of these businesses or activities **deliver food or other essential products** to people who are self-isolating or sheltering at home?

- 1 Yes
- 2 No
- 3 Unsure

en018b (corona medical services when created new businesses in section Entrepreneurship)

Do any of these businesses or activities **provide medical services** to people who are self-isolating or sheltering at home?

- 1 Yes
- 2 No

3 Unsure

en018c (corona mental health when created new businesses in section Entrepreneurship)

Do any of these businesses or activities **provide mental health counseling** to people who are self-isolating or sheltering at home?

- 1 Yes
- 2 No
- 3 Unsure

END OF IF

en019 (moved business activities online in section Entrepreneurship)

Have you moved any of your business or entrepreneurial activities online in response to the coronavirus epidemic?

- 1 Yes
- 2 No
- 3 Unsure

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

en020 (chance current business or entrepreneurial activity will still exist in two years in section Entrepreneurship)

What is the percent chance your current business or entrepreneurial activity will still exist in two years?

RANGE 0..100

cr.error (Section Corona)

Please enter a number between 0% and 100%.

END OF GROUP

END OF IF

IF (en001a = 1 OR en001b = 1 OR en001c = 1) AND (en007a = 1 OR en007b = 1 OR en007c = 1) THEN

/* The answer options in en021 are presented in random order per variables en015_order with values:

- o 1 It will be larger
- o 2 It will be around the same size
- o 3 It will be smaller
- o 4 Unsure

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

IF sizeof(en021_order) = 0 THEN

en021_order := shuffleArray(array(1 →1, 2 →2, 3 →3))
en021_order(4) := 4

END OF IF

en021 (current business or entrepreneurial activity larger or smaller in section Entrepreneurship)

Compared to its size in February 2020, do you think your current business or entrepreneurial activity will be larger or smaller in two years?

- 1 It will be larger
- 2 It will be around the same size
- 3 It will be smaller
- 4 Unsure

END OF IF

IF en008a = 1 OR en008b = 1 OR en008c = 1 THEN

en022 (corona how likely new business in next 12 months in section Entrepreneurship)
Has the coronavirus epidemic made it more or less likely that you will start a new business or entrepreneurial activity in the **next 12 months**?

- 1 Much more likely
- 2 Somewhat more likely
- 3 About the same
- 4 Somewhat less likely
- 5 Much less likely
- 6 Unsure

en023 (plan to start new business in next 12 months in section Entrepreneurship)

Do you plan to start a new business or entrepreneurial activity in the **next 12 months**?

- 1 Yes
- 2 No
- 3 Unsure

en024 (begun process of starting new business in section Entrepreneurship)

Have you already begun the process of starting a new business or entrepreneurial activity?

- 1 Yes
- 2 No
- 3 Unsure

IF en024 = 1 THEN

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

en024a_intro (Section Entrepreneurship)

Which of the following steps have you taken toward starting a new business or entrepreneurial activity?

SUBGROUP OF QUESTIONS

en024a (Conduct market research in section Entrepreneurship)

Conduct market research

- 1 Yes
- 2 No
- 3 Unsure

en024b (Define the business model in section Entrepreneurship)

Define the business model

- 1 Yes
- 2 No
- 3 Unsure

en024c (Seek financing in section Entrepreneurship)

Seek financing

- 1 Yes
- 2 No
- 3 Unsure

en024d (Pick a business location in section Entrepreneurship)

Pick a business location

- 1 Yes
- 2 No
- 3 Unsure

en024e (Select distribution channels in section Entrepreneurship)

Select distribution channels

- 1 Yes
- 2 No
- 3 Unsure

en024f (Choose a business name in section Entrepreneurship)

Choose a business name

- 1 Yes
- 2 No
- 3 Unsure

en024g (Register the business in section Entrepreneurship)

Register the business

- 1 Yes

- 2 No
- 3 Unsure

en024h (Get Federal and state tax IDs in section Entrepreneurship)
Get Federal and state tax IDs

- 1 Yes
- 2 No
- 3 Unsure

en024i (Apply for licenses and permits in section Entrepreneurship)
Apply for licenses and permits

- 1 Yes
- 2 No
- 3 Unsure

en024j (Open a business bank account in section Entrepreneurship)
Open a business bank account

- 1 Yes
- 2 No
- 3 Unsure

en024k (other step taken to starting new business in section Entrepreneurship)

Other, please specify:

- 1 Yes
- 2 No
- 3 Unsure

END OF SUBGROUP

en024k.other (specify other step taken to starting new business in section Entrepreneurship)

STRING

END OF GROUP

END OF IF

END OF IF

en025.intro (Section Entrepreneurship)

Some people work in the gig economy as independent contractors, independent consultants, or freelance workers. Some people complete one-off tasks online or in-person with companies that advertise through an app or a website.

IF en001a = 1 OR en001b = 1 OR en001c = 1 THEN

en025 (February 2020 use gig economy workers to support business or entrepreneurial activity in section Entrepreneurship)

In February 2020, did you use gig economy workers to support your business or entrepreneurial activity?

- 1 Yes
- 2 No
- 3 Unsure

END OF IF

IF en007a = 1 OR en007b = 1 OR en007c = 1 THEN

en026 (currently use gig economy workers to support business or entrepreneurial activity in section Entrepreneurship)

Do you **currently** use gig economy workers to support your business or entrepreneurial activity?

- 1 Yes
- 2 No
- 3 Unsure

en027 (expected use gig economy workers to support business or entrepreneurial activity in section Entrepreneurship)

Do you think you will use gig economy workers to support your business or entrepreneurial activity in the **next 12 months**?

- 1 Yes
- 2 No
- 3 Unsure

END OF IF

en028 (February 2020 personally take on gig economy tasks in section Entrepreneurship)

Did you personally take on gig economy tasks in **February 2020**?

- 1 Yes
- 2 No
- 3 Unsure

en029 (currently personally take on gig economy tasks in section Entrepreneurship)

Are you **currently** doing any gig economy tasks?

- 1 Yes
- 2 No
- 3 Unsure

en030 (expected personally take on gig economy tasks in section Entrepreneurship)

Do you think you will take on gig economy tasks in the **next 12 months**?

- 1 Yes
- 2 No
- 3 Unsure

End of section **Entrepreneurship**

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(244)

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. */