

UnderStandingAmericaStudy

UAS 307: AUGUST 2020 MONTHLY SURVEY - FINANCIAL PLANNING, INCELS,
AND FITBIT/DEVICE CONSENT



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1 INTRODUCTION

This UAS panel survey, titled "UAS307: August 2020 Monthly Survey" asks questions about Financial Planning and Incels. It also asks for an enumeration of fitness and health devices, then asks for consent to follow Fitbit and Garmin data. We ask hypothetical consent for being provided with a Fitbit watch for a project, or for following data collected by their other health or tracking devices. This survey is no longer in the field. Respondents were paid \$3 to complete the survey.

The device enumeration and consent are based on pilot survey UAS78.

1.1 Topics

This survey contains questions (among others) on the following topics: Diet Lifestyle, Financial Literacy, Social Attitudes And Values, Survey Methodology. 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 except Spanish speakers.

As such, this survey was made available to 8946 UAS participants. Of those 8946 participants, 6870 completed the survey and are counted as respondents. Of those who are not counted as respondents, 19 started the survey without completing and 2057 did not start the survey. The overall response rate was 76.79%.

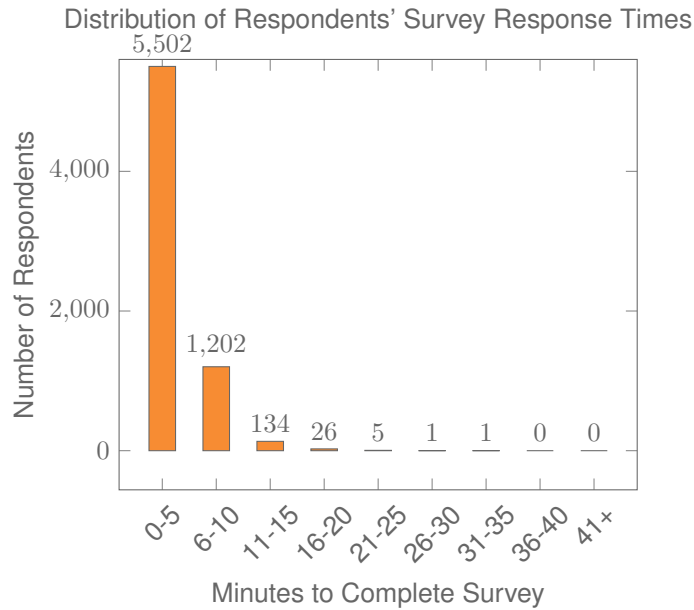
Note: We are unable to provide sample weights for a small number of UAS members (see the Sample weighting section below for details). If they completed the survey, these members are included in the data set with a weight of zero, but accounted for in the computation of total sample size and survey response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

The detailed survey response rate is as follows:

| UAS307 - Response Overview | |
|---|--------|
| Size of selected sample | 8946 |
| Completed the survey | 6870 |
| Started but did not complete the survey | 19 |
| Did not start the survey | 2057 |
| Response rate | 76.79% |

2.2 Timings

The survey took respondents an average of 4 minutes, and the full distribution of survey response times is available in the figure below. Times per question are available upon request.



2.3 Sample & Weighting

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

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

3 STANDARD VARIABLES

Each Understanding America Study data contains a series of standard variables, consisting of individual, household and sample identifiers, language indicator, time stamps and a rating by the respondent of how much he or she liked the survey:

- **uasid**: the identifier of the respondent. This identifier is assigned to a respondent at recruitment and stays with the respondent throughout each and every survey he/she participates in. When analyzing data from multiple surveys, the 'uasid' can be used to merge data sets.
- **uashhid**: the household identifier of the respondent. Every member is assigned a household identifier, stored in the variable 'uashhid'. For the primary respondent this identifier equals his or her 'uasid'. All other eligible members of the primary respondent's household (everyone who is 18 or older in the household) who become UAS respondents receive the 'uasid' of the primary respondent as their household identifier. The identifier 'uashhid' remains constant over time for all respondents. Thus it is always possible to find the original UAS household of an UAS panel member (even after they, for example, have moved out to form another household).
- **survhhid**: uniquely identifies the household a UAS panel member belongs to in a given survey. For instance, if the primary respondent and his/her spouse are both UAS members at the time of a given survey, they both receive the same 'survhhid' identifier for that survey. If they subsequently split, they receive two different 'survhhid' in subsequent surveys. They, however, always share the same 'uashhid'. The identifier 'survhhid' is set to missing (.) if no other household members are UAS panel members at the time of the survey. Since individuals can answer the same survey at different points in time (which can be relatively far apart if the survey is kept in the field for a prolonged time), it may be possible that, within the same data set, household members have different 'survhhid' reflecting different household compositions at the time they answered the survey. For instance, suppose that the primary respondent and his/her spouse are both UAS members. If the primary respondent answers the survey when he/she is living with the spouse, but the spouse answers the survey when the couple has split, they receive different 'survhhid'. Hence, the variable 'survhhid' identifies household membership of UAS panel members, at the time the respondent answers the survey. Note: in the My Household survey 'survhhid' is set to unknown (.u) for respondents who last participated in the My Household survey prior to January 21, 2015.
- **uasmembers**: is the number of other household members who are also UAS panel members at the time of the survey. Since individuals can answer the same survey at different points in time (which can be relatively far apart is the survey is kept in the field for a prolonged time), it may be possible that, within the same data set, the primary respondent of a household has a value of '0', whereas the second UAS household respondent has a value of '1'. Therefore 'uasmembers' should be interpreted as the

number of household and UAS panel members at the time the respondent answers the survey. Note: in the My Household survey 'uasmembers' is set to unknown (.u) for respondents who last participated in the My Household survey prior to January 21, 2015.

- **sampletype**: indicates the sampling frame from which the household of the respondent was recruited. All UAS recruitment is done through address based sampling (ABS) in which samples are acquired based on postal records. Currently, the variable 'sampletype' takes on three values reflecting three distinct recruitment categories (in future data sets the number of categories may increase due to the incorporation of new recruitment categories):
 1. Nationally Representative Sample
 2. Native Americans: recruited through ABS, where the probability of drawing a zip-code is a function of the percentage of Native Americans in the zip-code. Primary respondents in these zip-codes who are not Native Americans are not invited to join the UAS.
 3. LA County: recruited through ABS drawing from zip-codes in Los Angeles County.
- **batch**: indicates the batch from which the respondent was recruited. There are currently the following values this variable takes (in future data sets the number of categories may increase due to the usage of new recruitment samples):
 1. ASDE 2014/01 Nat.Rep.
 2. ASDE 2014/01 Native Am.
 3. ASDE 2014/11 Native Am.
 4. LA County 2015/05 List Sample
 5. MSG 2015/07 Nat.Rep.
 6. MSG 2016/01 Nat.Rep. Batch 2
 7. MSG 2016/01 Nat.Rep. Batch 3
 8. MSG 2016/01 Nat.Rep. Batch 4
 9. MSG 2016/02 Nat.Rep. Batch 5
 10. MSG 2016/03 Nat.Rep. Batch 6
 11. MSG 2016/04 Nat.Rep. Batch 7
 12. MSG 2016/05 Nat.Rep. Batch 8
 13. MSG 2016/08 LA County Batch 2
 14. MSG 2017/03 LA County Batch 3
 15. MSG 2017/11 California Batch 1
 16. MSG 2018/02 California Batch 2
 17. MSG 2018/08 Nat.Rep. Batch 9

18. MSG 2019/04 LA County Batch 4
19. MSG 2019/05 LA County Batch 5
20. MSG 2019/11 Nat. Rep. Batch 10
21. MSG 2020/08 Nat. Rep. Batch 11
22. MSG 2020/10 Nat. Rep. Batch 12
23. MSG 2021/02 Nat. Rep. Batch 13
24. MSG 2021/08 Nat. Rep. Batch 15
25. MSG 2021/08 Nat. Rep. Batch 16

- **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.
- **hisplativo**: indicates whether the respondent identifies him or herself as being Hispanic or Latino. This variable is asked separately from race.
- **hisplatinogroup**: indicates which Hispanic or Latino group a respondent identifies him or herself with. This is set to missing (.) if the respondent does not identify him or herself as being Hispanic or Latino.
- **white**: indicates whether the respondent identifies him or herself as white (Caucasian).
- **black**: indicates whether the respondent identifies him or herself as black (African-American).
- **nativeamer**: indicates whether the respondent identifies him or herself as Native American (American Indian or Alaska Native).
- **asian**: indicates whether the respondent identifies him or herself as Asian (Asian-American).
- **pacific**: indicates whether the respondent identifies him or herself as Native Hawaiian or Other Pacific Islander.
- **race**: indicates the race of the respondent as singular (e.g., '1 White' or '2 Black') or as mixed (in case the respondent identifies with two or more races). The value '6 Mixed' that the respondent answered 'Yes' to at least two of the single race categories. This variable is generated based on the values of the different race variables (white, black, nativeamer, asian, pacific). This composite measure is not conditional on hisplativo, so an individual may identify as Hispanic or Latino, and also as a member of one or more racial groups.
- **working**: indicates whether the respondent is working for pay.
- **sick_leave**: indicates whether the respondent is not working because sick or on leave.
- **unemp_layoff**: indicates whether the respondent is unemployed or on lay off.
- **unemp_look**: indicates whether the respondent is unemployed and looking for a job.
- **retired**: indicates whether the respondent is retired.
- **disabled**: indicates whether the respondent has a disability.
- **If_other**: specifies other labor force status.
- **laborstatus**: indicates the labor force status of the respondent as singular (e.g., '1 Working for pay' or '2 On sick or other leave') or as mixed (in case the respondent selects two or more labor statuses). The value '8 Mixed' indicates that the respondent answered 'Yes' to at least two of the single labor force status variables. This variable is generated based on the values of the different labor status variables (working, sick_leave, unempl_layoff, unempl_look, retired, disabled, If_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.
- **hhmembervnumber**: 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 'hhmembervnumber' 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 MISSING DATA CONVENTIONS

Data files provide so-called clean data, that is, answers given to questions that are not applicable anymore at survey completion (for example because a respondent went back in the survey and skipped over a previously answered question) are treated as if the questions were never asked. In the data files all questions that were asked, but not answered by the respondent are marked with (.e). All questions never seen by the respondent (or any dirty data) are marked with (.a). The latter may mean that a respondent did not view the question because s/he skipped over it; or alternatively that s/he never reached that question 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).

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

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

More information about the UAS data 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

intro1 (intro in section Base)

This survey has several unrelated sections. To begin with...

Start of section **Financial**

fin_intro (Section Financial)

We are interested in learning more about what, if any, planning people do about their financial future. Please indicate to what extent you agree or disagree with the following statements.

FinPlan1 (put lot of effort in developing financial plan in section Financial)

I have put a lot of effort and time developing a financial plan for my long-term future.

- 1 Disagree strongly
- 2 Disagree
- 3 Disagree somewhat
- 4 Agree somewhat
- 5 Agree
- 6 Agree strongly

FinPlan2 (vacation put a lot of effort and time examining where would most like go in section Financial)

Before going on a vacation, I put a lot of effort and time examining where I would most like to go and what I would most like to do.

- 1 Disagree strongly
- 2 Disagree
- 3 Disagree somewhat
- 4 Agree somewhat
- 5 Agree
- 6 Agree strongly

FinPlan3 (regularly set a detailed budget for overall spending in section Financial)

I regularly set a detailed budget for my overall spending.

- 1 Disagree strongly
- 2 Disagree
- 3 Disagree somewhat
- 4 Agree somewhat
- 5 Agree
- 6 Agree strongly

finintro (Section Financial)

Thinking now about events that happened in your past.

FinPlan4 (child receive allowance in section Financial)

When you were a child, did you receive an allowance? By allowance we mean some amount of money given to you on a regular basis by your parents or guardians.

- 1 Yes, with no requirements
- 2 Yes, but only if I earned it
- 3 No
- 4 Don't know

IF FinPlan4 IN (1,2) THEN

FinPlan5 (how often spend whole allowance as soon as possible in section Financial)

How often did you spend your whole allowance as soon as possible?

- 1 Always
- 2 Most of the time
- 3 Sometimes
- 4 Rarely
- 5 Never
- 6 Don't know

END OF IF

/* Questions FinPlan6 and Finplan7 are asked in random order per variable FinOrder:

- o 1 FinPlan6, then FinPlan7
- o 2 FinPlan7, then FinPlan6

*/

IF FinOrder = EMPTY THEN

FinOrder := mt.rand(1,2)

END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

finintro2 (Section Financial)

To what extent do you agree or disagree with the following statements:

IF FinOrder = 1 THEN

FinPlan6 (mother being careful planner in section Financial)

When I was a child, I remember **my mother (or primary female guardian)** being a careful planner.

- 1 Disagree strongly
- 2 Disagree
- 3 Disagree somewhat
- 4 Agree somewhat

- 5 Agree
- 6 Agree strongly
- 7 Does not apply to me

FinPlan7 (father being careful planner in section Financial)

When I was a child, I remember **my father (or primary male guardian)** being a careful planner.

- 1 Disagree strongly
- 2 Disagree
- 3 Disagree somewhat
- 4 Agree somewhat
- 5 Agree
- 6 Agree strongly
- 7 Does not apply to me

ELSE

FinPlan7 (father being careful planner in section Financial)

When I was a child, I remember **my father (or primary male guardian)** being a careful planner.

- 1 Disagree strongly
- 2 Disagree
- 3 Disagree somewhat
- 4 Agree somewhat
- 5 Agree
- 6 Agree strongly
- 7 Does not apply to me

FinPlan6 (mother being careful planner in section Financial)

When I was a child, I remember **my mother (or primary female guardian)** being a careful planner.

- 1 Disagree strongly
- 2 Disagree
- 3 Disagree somewhat
- 4 Agree somewhat
- 5 Agree
- 6 Agree strongly
- 7 Does not apply to me

END OF IF

END OF GROUP

End of section **Financial**

Start of section **Incel**

ym_intro (Section Incel)

We are interested in learning about your personal life and attitudes.

ym001 (familiar with incels in section Incel)

Are you familiar with the concept of "Incels" (Involuntary Celibates)?

- 1 Yes
- 2 No

ym002 (identify as incel in section Incel)

By "Incel" we mean someone who is unable to find a sexual partner despite desiring one. Do you identify as an Incel?

- 1 Yes
- 2 No

ym003 (women complain if they lose in fair competition in section Incel)

Please indicate to what extent that you agree or disagree with the following statement:

When women lose to men in a fair competition, they typically complain about being discriminated against

- 1 Disagree strongly
- 2 Disagree somewhat
- 3 Disagree slightly
- 4 Agree slightly
- 5 Agree somewhat
- 6 Agree strongly

End of section **Incel**

Start of section **Tracking**

fit_intro (Section Tracking)

The next set of questions are about fitness or health tracking devices that people may use. Some of the questions may be familiar. Thank you for answering them again to help us ensure we have the most up to date information.

phone (currently have phone in section Tracking)

Do you currently have an Android phone or Apple iPhone or any other kind of smart phone? By smart phone we mean a phone that you can use for accessing the internet, sending email, etc. if you want to. Please select all that apply.

- 1 I have an Android Phone (e.g. Samsung Galaxy, Google Pixel, Motorola Droid, etc.)
- 2 I have an Apple iPhone
- 3 I have a Jitterbug, or Greatcall phone
- 4 I have a Windows or Blackberry or some other kind of smart phone

- 5 I have a cell phone that just makes calls and/or texts
- 6 I use a landline (or cable) phone
- 7 I do not have any phone

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

- q001** (use any health or fitness tracking devices in section Tracking)
Which of the following health or fitness tracking devices do you own or use? (please check all that apply, and tell us about any we may have missed)
- 1 Smartwatch (e.g. Fitbit, Garmin, Fit, Apple Watch, etc.)
 - 2 Wearable ECG monitor (e.g. Move ECG)
 - 3 Wearable blood pressure monitor (e.g. Heartguide, etc.)
 - 4 Smart scale (e.g. Fitbit Aria, Withings, Garmin index, etc.)
 - 5 Glucose monitor (e.g. Medical guardian, Freestyle Libre, Guardian connect, Eversense, etc.)
 - 6 Wearable or hand-held air quality measuring device (Atmotube, Flow, Temtop 1000, etc.)
 - 7 In-home air quality measuring device (Kaiterra, Temtop M10, Awair, IQAir, Dylos, etc.)
 - 8 Other (please specify):
 - 9 No health or fitness tracking device

q001.other (other use any health or fitness tracking devices in section Tracking)
STRING

END OF GROUP

IF 1 IN q001 THEN

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

- q002** (type of smart watch in section Tracking)
What type of smartwatch do you own? (please check all that apply)
- 1 Fitbit
 - 2 Garmin
 - 3 Fit
 - 4 Apple Watch
 - 5 Other (please specify):
 - 6 Not sure

q002.other (other type of smart watch in section Tracking)
STRING

END OF GROUP

IF 1 IN q002 THEN

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

q003 (type of fitbit in section Tracking)

What type of Fitbit do you own?

- 1 Inspire HR
- 2 Inspire
- 3 Charge 3
- 4 Charge 4
- 5 Versa Lite
- 6 Versa
- 7 Versa 2
- 8 Ionic
- 9 Ace
- 10 Ace 2
- 11 Other (please specify):

q003_other (other type of fitbit in section Tracking)

STRING

END OF GROUP

END OF IF

IF 2 IN q002 THEN

q004 (Garmin smartwatch monitor heart rate in section Tracking)

Can your Garmin smartwatch monitor heart rate?

- 1 Yes
- 2 No
- 3 Not sure

q005 (Garmin smartwatch monitor sleep in section Tracking)

Can your Garmin smartwatch monitor sleep?

- 1 Yes
- 2 No
- 3 Not sure

IF q004 = 3 OR q005 = 3 THEN

q006 (type of garmin in section Tracking)

Please write in which Garmin smartwatch you use (e.g. Venu, Instinct, Vivoactive, Vivomove, etc.)

STRING

END OF IF

END OF IF

IF 4 IN q002 THEN

q007a (apple type in section Tracking)
What type of Apple Watch do you own?
1 Apple Watch Series 1
2 Apple Watch Series 2
3 Apple Watch Series 3
4 Apple Watch Series 4
5 Apple Watch Series 5
6 Apple Watch Studio / Nike / Hermes
7 Apple Watch Edition
8 Not sure

END OF IF

END OF IF

IF 1 IN q001 AND (1 IN q002 OR 2 IN q002) THEN

Fill code of question FLQ007 executed

q007 (interested in study in section Tracking)
We are launching an important new UAS project to help us learn more about how activity, sleep, and stress levels might be changing during the coronavirus outbreak.

If you agreed to join the project, you would allow the Understanding America Study to access the activity information collected by your (Fitbit/Garmin/) watch. Together with data from everyone else who would join the project, this will allow us to look at trends in activity patterns in the U.S.

If you decide to volunteer for this project and allow the UAS to access your activity data, you should know that:

We WILL access the following information collected by your smartwatch, in the past year, and going forward:Your activity (e.g. # steps)Sleep patterns, if your watch collects that informationHeart rate, if your watch collects that informationWeight, if you are tracking it through your account**We will NOT have access to any of this information:**We will not have access to your username and passwordWe will not know where you are or where you go We will not have access to any other information you may collect or monitor We will protect your privacy by assigning you a study code and never storing your name or other direct identifiers with your activity data.

If you decide to join, we will send an invitation for you to authorize UAS to follow your (Fitbit/Garmin/) account. You will earn \$15 for providing that authorization, and \$5 a month for wearing your smartwatch every day. Since it is completely voluntary, you can withdraw participation at any time.

Would you like to participate in this project?

1 Yes

2 No
3 Not sure, I need more information

consent := 2

IF q007 = 1 THEN

| consent := 1

ELSEIF q007 = 3 THEN

q008 (not sure consent in section Tracking)

Q: What if I don't want to share my account login and password?

A: You don't have to! When you authorize us to follow your account, you log in to your (Fitbit/Garmin/) account yourself, and then authorize us to follow your data. We never see, access, or store your account login or password.

Q: What exactly will you do with information like how many steps I take, or my heart rate?

A: Our research teams will use that data to get an idea of how activity levels change over time in the U.S. What we need for our research is to measure a lot of people all at once and try to learn about what might be influencing the changes that we see.

Q: Will you share the information you collect with anyone else?

A: We will share your activity data with our researchers who are studying health in America. We will never share anything that will identify you directly.

Q: If I say yes, am I committed? What if I want to stop sharing my data?

A: You can always say No! All of the projects and surveys you do with us are voluntary. If you say yes now, you can change your mind later and we will remove you from the project. We are grateful when you say yes, but you can always say no, and just keep doing surveys.

Having heard more about it, would you like to participate in this project?

1 Yes
2 No

IF q008 = 1 THEN

| consent := 1

END OF IF

END OF IF

IF consent = 2 THEN

q007_whynt (why not participate in section Tracking)

Thank you for your response. We respect your decision! It would be helpful for us to know why you are not likely to participate. Could you write a sentence or two to help us understand? Meanwhile, we appreciate you doing our UAS surveys!

| STRING

ELSE

q007.thanks (Section Tracking)

Thank you for agreeing to participate. In the next few weeks, we will email you an invitation with a link to follow where you can authorize us to follow your smartwatch data. After you have completed the authorization process, we will credit your UAS account with \$15 as a thank you gift. You will then receive \$5 payments once a month, as long as you keep charging and wearing your watch.

END OF IF

END OF IF

IF not(1 IN q001 AND (1 IN q002 OR 2 IN q002)) THEN

q010 (hypothetical fitbit provision in section Tracking)

We may be launching a new UAS project to help us learn more about how activity, sleep, and stress levels might be changing during the coronavirus outbreak.

People who join the project would be given a new Fitbit watch to keep, in exchange for wearing it for a period of time (e.g. 1 month, or 6 months) and allowing the UAS to access the data. We would also pay you a small amount (e.g. \$5 per week) to wear the watch and keep it charged. If you have a different fitness tracker, this project will not interfere with the data you personally collect - you could continue to wear your own watch or other fitness device as well.

We would combine your data with others from the project and together the information would allow us to look at trends in activity patterns in the U.S.

The data we might access from the Fitbit watch: Your activity (for example, number of steps) Sleep patterns Heart rate Weight **We will NOT have access to any of this information:** We will not have access to your username and password We will not know where you are or where you go We will not have access to any other information you may collect or monitor **Given what you know now**, how likely would you be to participate?

1 I definitely would participate

2 I probably would participate

3 I probably would not participate

4 I definitely would not participate

q010_asked := 1

IF q010 IN (3,4) THEN

q010.whynot (hypothetical Fitbit provision why not participate in section Tracking)

Thank you for your response. We respect your decision! It would be helpful for us to know why you are not likely to participate. Could you write a sentence or two to help us understand? Meanwhile, we appreciate you doing our UAS surveys!

| | STRING
| END OF IF
END OF IF

IF 2 IN q001 OR 3 IN q001 OR 4 IN q001 OR 5 IN q001 OR 6 IN q001 OR 7 IN q001
OR 8 IN q001 THEN

q009 (hypothetical non-watch data collection in section Tracking)

You indicated that you have at least one health or fitness devices other than a smart watch.

The UAS may be launching a project that will help us learn about how devices like these could help us understand more about the health and activities of people in the U.S.

People who agree to participate would be provided with a thank you payment for signing up (e.g. \$15) and letting us access data from the device. It would also probably include a small payment (e.g. \$5) for each month.

Given what you know now, how likely would you be to participate?

- 1 I definitely would participate
- 2 I probably would participate
- 3 I probably would not participate
- 4 I definitely would not participate

q009_asked := 1

IF q009 IN (3,4) THEN

q009_whynt (hypothetical non-watch data collection why not participate in section Tracking)

Thank you for your response. We respect your decision! It would be helpful for us to know why you said you are not likely to participate. Could you write a sentence or two to help us understand? Meanwhile, we appreciate you doing our UAS surveys!

STRING

END OF IF

END OF IF

IF (q009_asked = 1 AND q009 IN (1,2)) OR (q010_asked = 1 AND q010 IN (1,2)) THEN

hypo.thanks (Section Tracking)

Thank you for letting us know you might participate. If a project starts up, we will invite you to complete a survey that includes all of the details of the project and you can decide whether or not to participate at that time. Meanwhile, we appreciate you doing our UAS surveys!

END OF IF

End of section **Tracking**

Start of section **Closing**

CS_001 (HOW PLEASANT INTERVIEW in section Closing)

Could you tell us how interesting or uninteresting you found the questions in this interview?

1 Very interesting

2 Interesting

3 Neither interesting nor uninteresting

4 Uninteresting

5 Very uninteresting

CS_003 (comments in section Closing)

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

STRING

End of section **Closing**

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