

UnderStandingAmericaStudy

UAS 123: EMA PROJECT CONSENT SURVEY (PILOT 3)



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1 INTRODUCTION

This UAS panel survey, titled "UAS123: EMA Project Consent Survey" asks respondents about their cell phone usage and whether they are interested to participate in an NIA U01 funded 7-day EMA project in which respondents track daily events and their feelings about them using a GENactive wrist monitor and a smartphone app. This survey is no longer in the field. Respondents were paid \$3 to complete the survey.

UAS 123 is the consent survey for project Pilot 3 (payment experiment). Related surveys are UAS 224 (Consent for the full study waves 1 and 2 that included accelerometers); UAS 234 (Consent for full study waves 3+, no accelerometer).

1.1 Topics

This survey contains questions (among others) on the following topics: Consumer Behavior, Environment. 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:

A random selection of active English speaking respondents.

As such, this survey was made available to 401 UAS participants. Of those 401 participants, 342 completed the survey and are counted as respondents. Of those who are not counted as respondents, 3 started the survey without completing and 56 did not start the survey. The overall response rate was 85.29%.

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.%.

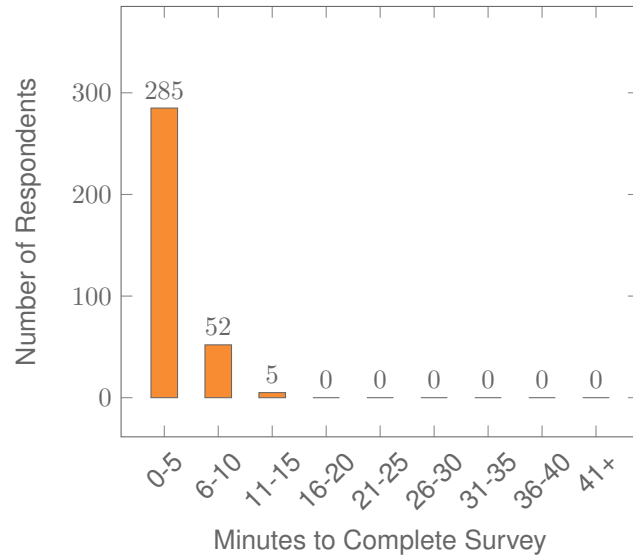
The detailed survey response rate is as follows:

UAS123 - Response Overview	
Size of selected sample	401
Completed the survey	342
Started but did not complete the survey	3
Did not start the survey	56
Response rate	85.29%

2.2 Timings

The survey took respondents an average of 3 minutes, and the full distribution of survey response times is available in the figure below. Times per question are available upon request.

Distribution of Respondents' Survey Response Times



2.3 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 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
26. MSG 2022/02 Nat. Rep. Batch 17 (priority)
27. MSG 2022/02 Nat. Rep. Batch 17 (regular)
28. MSG 2022/08 Nat. Rep. Batch 18
29. MSG 2022/11 LA County Batch 6
30. MSG 2022/11 Nat. Rep. Batch 20
31. MSG 2023/01 Nat. Rep. Batch 21
32. MSG 2023/06 Nat. Rep. Batch 22

- **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 due to a break off. If a respondent did not complete a survey, the variables representing survey end date and time are marked with (.c). Household member variables are marked with (.m) if the respondent has less household members (e.g. if the number of household members is 2, any variables for household member 3 and up are marked with (.m)).

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

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

More information about the UAS data in general can be found on the UAS Data Pages web site.

6 ROUTING SYNTAX

The survey with routing presented in the next section includes all of the questions that make up this survey, the question answers when choices were provided, and the question routing. The routing includes descriptions of when questions are grouped, conditional logic that determines when questions are presented to the respondent, randomization of questions and answers, and fills of answers from one question to another.

If you are unfamiliar with conditional logic statements, they are typically formatted so that **if** the respondent fulfills some condition (e.g. they have a cellphone or a checking account), **then** they are presented with some other question or the value of some variable is changed. If the respondent does not fulfill the condition (e.g. they are not a cellphone adopter or they do not have a checking account), something **else** happens such as skipping the next question or changing the variable to some other value. Some of the logic involved in the randomization of questions or answers being presented to the respondent is quite complex, and in these instances there is documentation to clarify the process being represented by the routing.

Because logic syntax standards vary, here is a brief introduction to our syntax standards. The syntax used in the conditional statements is as follows: '=' is equal to, '<' is less than, '>' is greater than, and '!= ' is used for does not equal. When a variable is set to some number N, the statement looks like 'variable := N'.

The formatting of the questions and routing are designed to make it easier to interpret what is occurring at any given point in the survey. Question ID is the bold text at the top of a question block, followed by the question text and the answer selections. When a question or variable has associated data, the name links to the appropriate data page, so you can easily get directly to the data. Text color is used to indicate the routing: **red** is conditional logic, **gold** is question grouping, **green** is looping, and **orange** is used to document randomization and other complex conditional logic processes. The routing is written for a computer to parse rather than a human to read, so when the routing diverges significantly from what is displayed to the respondent, a screenshot of what the respondent saw is included.

The name of the randomization variables are defined in proximity to where they are put into play, and like the question ID the names of the randomization variables can be used to link directly to the associated data page.

7 SURVEY WITH ROUTING

Start of section **Consent**

intro (Section Consent)

This survey asks about what type of cell phone you have, if any. We may also ask if you are interested in being included in an ongoing project that includes recording your activities and moods every day for one week. You may have filled out a similar survey before, or even participated in one of the week-long projects. Whether you have participated before or not, you may be eligible now, so please answer these few short questions.

/ Respondents may have been asked about participating in the 8 day project at a previous time. Their response then is preloaded here. */*

```
previousconsent := getPreviousConsent()
```

```
IF randomizer_amount = EMPTY THEN
```

```
| randomizer_amount := mt_rand(1,2)
```

```
END OF IF
```

Fill code of question FLAmount executed

```
eligible := 2
```

```
IF previousconsent = 2 THEN
```

```
| ask_again (ask again if not consent last time in section Consent)
```

```
| When we told you about this project last year, you decided not to participate at that time. We wanted to offer you the opportunity to hear about the project again, in case something has changed. If you decide not to participate this time, we promise we will not contact you about this project ever again!
```

```
| 1 Yes, I would like to hear more about it
```

```
| 2 No, I am not interested
```

```
| IF ask_again = 2 THEN
```

```
| | ask_again_no (Section Consent)
```

```
| | Thank you for letting us know! We will take you off the list. Have a great day.
```

```
| | Exit the survey
```

```
| END OF IF
```

```
END OF IF
```

ct001 (type of smart phone in section Consent)

Just to double check, do you have an Android 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.

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 No, I have a cell phone that just makes calls and/or texts

6 No, I only use a landline (or cable) phone

7 I don't have a phone

IF ct001 IN (1,2) THEN

eligible := 1

ct002_intro (Section Consent)

We are interested in learning more about the health of the American population, and in particular, about how active people are, how much interaction they have with others, and how they feel during the day.

As part of an ongoing project, you may be invited to participate in a week-long study, which we will describe in detail on the next screen.

This is an intensive 7-day program where you would wear an activity device (similar in size and shape to a wristwatch), and answer questions using an app on your cellphone each day. Each evening, you would fill out a survey online, and record information about your day using the phone app. On the eighth day you will send back the activity device. If you participate in all of the activities in this study, you could earn up to a total of \$(150/192).

We will describe the activities in more detail on the next screen.

ct003_intro (project overview in section Consent)

If you agree to participate, you will be eligible to be selected to do an intensive 7-day project that includes daily surveys and other activities. Please read the description of the project below. We will ask you if you are interested in participating in the project after you have read through what is included.

1. Wear a GENEActiv activity "watch" for seven days.

Wear an activity monitor on your wrist that is about the size and shape of a watch. It measures how often and how intensely people move, but not their location. You will wear it for the whole week without taking it off.

How much time does it require? Almost none. Put it on, forget it for 7 days, and mail it back!

Compensation: Earn a total of \$10 for wearing the watch every day

2. Use the UAS smartphone app to answer questions, up to 6 times a day

You will download the UAS app to your Android or Apple cell phone. Every day for seven days, the app will prompt you to answer a few questions. You will have eight minutes to respond each time your phone beeps to prompt you.

How much time does it require? Answering the questions takes about 2 minutes per prompt

Compensation: \$(1/2) each time you answer the questions, for up to \$(6/12) per day or \$(42/84) for the week

3. Fill out a survey online at the end of each day, and record a short commentary about your day

Each evening, you will log in to answer survey questions about how you felt and who you interacted with that day. You will be prompted to use the UAS phone app to record a brief message telling us about your social interactions that day.

How much time does it require? The survey takes about 7 minutes plus 1-4 minutes for the recording

Compensation: \$5 per survey, and \$2 per recording; which is a total of \$7 per day, or \$49 for the week.

4. Fill out an activities survey once during the week

One of the seven days, after you fill out the end of day survey, you will also fill out a questionnaire about your activities the day before.

How much time does it require? The activities survey takes an average of 15 minutes to complete

Compensation: \$10 for completing the activities survey.

5. On the seventh day, in addition to the End of Day survey, you will also complete a final set of questions that ask about your week.

How much time does it require? The final questions take an average of 4 minutes to complete.Compensation: another \$4.

6. On the eighth day, you will mail back your GENEActiv watch in the envelope we provide.

7. Earn a daily bonus for completing all activities each day, up to another \$35 for the week! *Each day you complete all of the activities for that day, you will earn a \$5 bonus thank you payment.*

Total amount you can earn for the week: \$(150/192)

consent1 (ask consent in section Consent)

Now that you have read about what is required for the 7-day project, would you like to be eligible to participate? If you say yes, you may be randomly selected to participate in the coming months. In that case, we will notify you by email. At that time, you can still say yes or no, or ask to be rescheduled.

1 Yes I am willing to participate

- 2 No I prefer not to participate
- 3 Not sure, I need more information to decide

totconsent := 2

IF consent1 = 1 THEN

| totconsent := 1

ELSEIF consent1 = 3 THEN

consent2 (not sure ask question in section Consent)

Thank you for your willingness to consider participating in our study! Here are some answers to frequently asked questions.

How does it work? If you decide to join this study and are selected to participate in one of the 7-day intensive projects, we will contact you by email. We will verify your address and check to make sure you are able to participate during the week that we have selected. If you are able to participate, we will send you a package that includes the GENEActiv watch, and a guide that will explain in detail what to do for the week, and provide a place to track your participation.

What exactly does the activity tracker do? The device is an "accelerometer" which is about the size of a wristwatch. It measures movement, and privately stores that information in the device itself. It does not track your location, and it does not transmit anything to us or anyone else. When you send the device back to us, we will be able to read the information from it. If you were to lose the device or it was stolen, there is nothing that would connect the information recorded in the device to you personally. It is completely safe, and most users find that it is comfortable to wear.

The smartphone app: Android users download the app from Google Play Store. iPhone users download the app from the Apple store. Once you log in, the app will ask you for a time window when it is okay to beep or buzz to notify you. Each time it beeps, you will answer a series of short questions in the app. You will be "beeped" at random times, six times each day. You will have about eight minutes to respond to the beep to start answering the questions. If you don't respond, or if you can't connect, the app will beep once more to remind you during the eight minutes. You can silence the beeps if necessary and we of course do not want you to respond if doing so will jeopardize you in any way, e.g. while driving.

Time Commitment: Responding to the prompts takes about 2 minutes per prompt, so answering them may take up to 18 minutes per day. The End of Day surveys take about 7 minutes per day. Twice a week you will fill out an additional 15 minute survey.

If you have any other questions about the study before you decide, you can give us a call at 855-872-8673.

Having read more about it, are you interested in participating in this project? If

you say yes, you may be randomly selected to participate in a 7-day study sometime in the near future. If you are selected, we will notify you by email. You can still say yes or no at that time.

- 1 Yes I am willing to participate
- 2 No, I prefer not to participate
- 3 I am still not sure

IF consent2 = 1 THEN

| totconsent :=1

ELSEIF consent2 = 3 THEN

| totconsent := 3

END OF IF

END OF IF

IF totconsent = 1 THEN

participating (Section Consent)

Thank you! We are happy that you are eligible and willing to participate in this ongoing project. In the coming weeks or months, you may be selected to participate in one of our 7-day studies. If you are selected, we will contact you with more details, and verify that you are able to participate at that time.

In the meantime, please make sure we have your latest email address and home address! You can update your contact information online by logging in to <https://uas.usc.edu/> with your login number and password, then clicking on "Contact". There is a link in the second line down where you can enter your new contact information.

ELSEIF totconsent = 2 THEN

/ Respondents that do not want to participate are asked about their reason(s) why. The different options are presented in random order per the (not_options_order variables. */*

IF sizeof(not_options_order) = 0 THEN

| not_options_order := shuffleArray(array(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))

| not_options_order(1) := 1

| not_options_order(15) := 15

END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

notparticipating (why not participating in section Consent)

We understand that you have your own reasons for not wanting to participate, and are hoping you will share those with us. Help us learn! Check all that apply, and add your own if needed.

- 1 No reason, I just don't want to do it

- 2 What I do for a living, or what I do all day, will not allow me to answer prompts during the day
- 3 I don't know how to download or use apps or I am not sure what they are
- 4 I don't want another app on my phone / I don't use apps
- 5 I don't really understand what the project is asking me to do
- 6 It will take too much time
- 7 It will be too much trouble
- 8 It doesn't pay enough
- 9 Eight days is too many / I would do it if it were fewer days
- 10 I have medical or health issues
- 11 I don't want to wear the GENEActiv watch
- 12 I am concerned about privacy
- 13 I can't always get a cell or wireless connection on my phone
- 14 I don't always have my phone with me so I wouldn't know if it was beeping
- 15 Some other reason:

notparticipating_other (other why not participating in section Consent)
STRING

END OF GROUP

ELSEIF totconsent = 3 THEN

/ Respondents that are not sure that they want to participate are asked about their reason(s) why. The different options are presented in random order per the (not_sure_order variables. */*

IF sizeof(not_sure_options_order) = 0 THEN

```
not_sure_options_order := shuffleArray(array(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))
not_sure_options_order(1) := 1
not_sure_options_order(15) := 15
```

END OF IF

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

notsure (why not sure in section Consent)

Thank you for thinking about participating in our project. We understand that you aren't sure if you want to do it. To help us learn, please just let us know why. Check all that apply, and add your own if needed.

- 1 No reason, I am just not sure
- 2 What I do for a living, or what I do all day, might not allow me to answer prompts during the day
- 3 I don't know how to download or use apps or I am not sure what they are
- 4 I don't want another app on my phone / I don't use apps
- 5 I don't really understand what the project is asking me to do

- 6 It might take too much time
- 7 It might be too much trouble
- 8 It doesn't seem to pay enough
- 9 Seven days is too many / I would probably do it if it were fewer days
- 10 I have medical or health issues
- 11 I have questions about wearing the GENEActiv watch
- 12 I am concerned about privacy
- 13 I can't always get a cell or wireless connection on my phone
- 14 I don't always have my phone with me so I wouldn't know if it was beeping
- 15 Some other reason:

notsure_other (other why not sure in section Consent)
STRING

END OF GROUP

dummy := sendEmailNotification()

END OF IF

ELSE

noteligible (Section Consent)

Thank you for answering. We are currently looking for people who would like to participate in a project that uses smartphones running on IOS or Android . Please just let us know if you ever get an Android or Apple phone and would like to find out more about the project!

END OF IF

End of section **Consent**

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. */