UnderStandingAmericaStudy

UAS 418: CHRONIC PAIN DAY RECOLLECTION METHOD

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Contents

1 INTRODUCTION

This UAS panel survey, titled ”UAS 418: Chronic Pain Day Recollection Method”, asks you about your experience with chronic physical pain in your everyday life. This survey is no longer in the field. Respondents were paid $7 to complete the survey.

1.1 Topics

This survey contains questions (among others) on the following topics: Health, Survey Methodology. A complete survey topic categorization for the UAS can be found here.

1.2 Experiments

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

1.3 Citation

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

2 SURVEY RESPONSE AND DATA

2.1 Sample selection and response rate

The sample selection for this survey was:

All active English speaking respondents who completed uas436, said yes to experiencing chronic bothersome pain (per variable ldj001) with a pain intensity of 4 or higher (per variable ldj002).

As such, this survey was made available to 1731 UAS participants. Of those 1731 participants, 1421 completed the survey and are counted as respondents. Of those who are not counted as respondents, 92 started the survey without completing and 218 did not start the survey. The overall response rate was 82.09%.

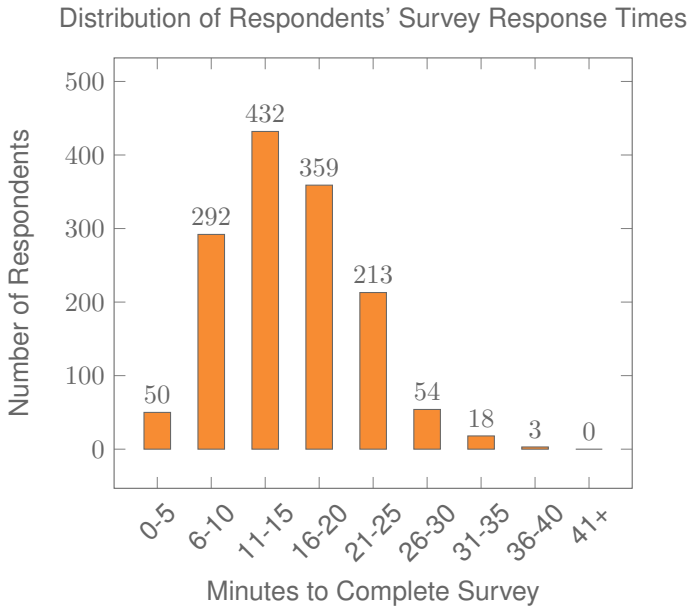
Note: We are unable to provide sample weights for a small number of UAS members (see the Sample and weighting section below for details). If they completed the survey, these members are included in the data set with a weight of zero, but accounted for in the computation of total sample size and survey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

The detailed survey response rate is as follows:

UAS418 - Response Overview	
Size of selected sample	1731
Completed the survey	1421
Started but did not complete the survey	92
Did not start the survey	218
Response rate	82.09%

2.2 Timings

The survey took respondents an average of 16 minutes, and the full distribution of survey response times is available 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 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.

- **sampleframe**: indicates the sampling frame from which the household of the respondent was recruited. All UAS recruitment is done through address based sampling (ABS) in which samples are acquired based on postal records. Currently, the variable 'sampleframe' takes on four values reflecting four distinct sample frames used by the UAS over the year (in future data sets the number of sample frames used for recruitment may increase if additional specific populations are targeted in future recruitment batches):

  1. U.S. National Territory: recruited through ABS within the entire U.S.
  2. Areas high concentration Nat Ame: recruited through ABS in areas with a high concentration of Native Americans in the zip-code. Within these batches, individuals who are not Native Americans are not invited to join the UAS.
  3. Los Angeles County: recruited through ABS within Los Angeles County.
  4. California: recruited through ABS within California.

  Note: prior to March 6, 2024 this variable was called sampletype and had the following value labels for the above list in UAS data sets:

  1. Nationally Representative Sample: recruited through ABS within the entire U.S.
  2. Native Americans: recruited through ABS in areas with a high concentration of Native Americans. Within these batches, individuals who are not Native Americans are not invited to join the UAS.
  3. LA County: recruited through ABS within Los Angeles County.
  4. California: recruited through ABS within California.

- **batch**: indicates the batch from which the respondent was recruited. Currently, this variable takes the following values (in future data sets the number of batches may increase as new recruitment batches are added to the UAS):

  1. ASDE 2014/01
  2. ASDE 2014/01
  3. ASDE 2014/01
  4. Public records 2015/05
  5. MSG 2015/07
  6. MSG 2016/01
  7. MSG 2016/01
  8. MSG 2016/01
  9. MSG 2016/02

10. MSG 2016/03
11. MSG 2016/04
12. MSG 2016/05
13. MSG 2016/08
14. MSG 2017/03
15. MSG 2017/11
16. MSG 2018/02
17. MSG 2018/08
18. MSG 2019/04
19. MSG 2019/05
20. MSG 2019/11
21. MSG 2020/08
22. MSG 2020/10
23. MSG 2021/02
24. MSG 2021/08
25. MSG 2021/08
26. MSG 2022/02
27. MSG 2022/02
28. MSG 2022/08
29. MSG 2022/11
30. MSG 2022/11
31. MSG 2023/01
32. MSG 2023/06
33. MSG 2023/09
34. MSG 2023/10
35. MSG 2025/02

Note: prior to March 6, 2024 this variable had the following value labels for the above list in UAS data sets:

1. ASDE 2014/01 Nat.Rep.
2. ASDE 2014/01 Native Am.
3. ASDE 2014/11 Native Am.
4. LA County 2015/05 List Sample
5. MSG 2015/07 Nat.Rep.
6. MSG 2016/01 Nat.Rep. Batch 2

7. MSG 2016/01 Nat.Rep. Batch 3
8. MSG 2016/01 Nat.Rep. Batch 4
9. MSG 2016/02 Nat.Rep. Batch 5
10. MSG 2016/03 Nat.Rep. Batch 6
11. MSG 2016/04 Nat.Rep. Batch 7
12. MSG 2016/05 Nat.Rep. Batch 8
13. MSG 2016/08 LA County Batch 2
14. MSG 2017/03 LA County Batch 3
15. MSG 2017/11 California Batch 1
16. MSG 2018/02 California Batch 2
17. MSG 2018/08 Nat.Rep. Batch 9
18. MSG 2019/04 LA County Batch 4
19. MSG 2019/05 LA County Batch 5
20. MSG 2019/11 Nat. Rep. Batch 10
21. MSG 2020/08 Nat. Rep. Batch 11
22. MSG 2020/10 Nat. Rep. Batch 12
23. MSG 2021/02 Nat. Rep. Batch 13
24. MSG 2021/08 Nat. Rep. Batch 15
25. MSG 2021/08 Nat. Rep. Batch 16
26. MSG 2022/02 Nat. Rep. Batch 17 (priority)
27. MSG 2022/02 Nat. Rep. Batch 17 (regular)
28. MSG 2022/08 Nat. Rep. Batch 18
29. MSG 2022/11 LA County Batch 6
30. MSG 2022/11 Nat. Rep. Batch 20
31. MSG 2023/01 Nat. Rep. Batch 21
32. MSG 2023/06 Nat. Rep. Batch 22
33. MSG 2023-09 Native Am. Batch 3
34. MSG 2023-10 Nat. Rep. Batch 23

- **primary_respondent**: indicates if the respondent was the first person within the household (i.e. to become a member or whether s/he was added as a subsequent member. A household in this regard is broadly defined as anyone living together with the primary respondent. That is, a household comprises individuals who live together, e.g. as part of a family relationship (like a spouse/child/parent) or in context of some other relationship (like a roommate or tenant).

- **hardware**: indicates whether the respondent ever received hardware or not. Note: this variable should not be used to determine whether a respondent received hardware at a given point in time and/or whether s/he used the hardware to participate in a survey. Rather, it indicates whether hardware was ever provided:

    1. None
    2. Tablet (includes Internet)

- **language**: the language in which the survey was conducted. This variable takes a value of 1 for English and a value of 2 for Spanish.

- **start_date (start_year, start_month, start_day, start_hour, start_min, start_sec)**: indicates the time at which the respondent started the survey.

- **end_date (end_year, end_month, end_day, end_hour, end_min, end_sec)**: indicates the time at which the respondent completed the survey.

- **cs_001**: indicates how interesting the respondent found the survey.

4 BACKGROUND DEMOGRAPHICS

Every UAS survey data set includes demographic variables, which provide background information about the respondent and his/her household. Demographic information such as age, ethnicity, education, marital status, work status, state of residence, family structure is elicited every quarter through the ‘‘My Household’’ survey. The demographic variables provided with each survey are taken from the most recent ‘MyHousehold’ survey answered by the respondent. If at the time of a survey, the information in ‘‘My Household’’ is more than three months old, a respondent is required to check and update his or her information before being able to take the survey.

The following variables are available in each survey data set:

- **gender**: the gender of the respondent.
- **dateofbirth_year**: the year of birth of the respondent.
- **age**: the age of the respondent at the start of the survey.
- **agerange**: if the respondent’s age cannot be calculate due to missing information, ‘agerange’ indicates the approximate age. Should a value for both the ‘age’ and ‘agerange’ be present, then ‘age’ takes precedence over ‘agerange’.
- **citizenus**: indicates whether the respondent is a U.S. citizen.
- **bornus**: indicates whether the respondent was born in the U.S.
- **stateborn**: indicates the state in which the respondent was born. This is set to missing (.) if the respondent was not born in the U.S.
- **countryborn**: indicates the country in which the respondent was born. This is set to missing (.) if the respondent was born in the U.S.
- **countryborn_other**: indicates the country of birth if that country is not on the drop down list of countries shown to the respondent’.
- **statereside**: the state in which the respondent is living.
- **immigration_status**: indicates whether the respondent is an immigrant. It takes one of the following values: 0 Non-immigrant, 1 First generation immigrant (immigrant who migrated to the U.S), 2 Second generation immigrant (U.S.-born children of at least one foreign-born parent), 3 Third generation immigrant (U.S.-born children of at least one U.S.-born parent, where at least one grandparent is foreign-born), or 4 Unknown immigrant status.
- **maritalstatus**: the marital status of the respondent.
- **livewithpartner**: indicates whether the respondent lives with a partner.

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

- **employmenttype**: indicates the employment type of the respondent (employed by the government, by a private company, a nonprofit organization, or self-employed). This is set to missing (.) if the respondent is not currently working or currently on sick or other leave.
- **workfullpart**: indicates whether the respondent works full or part-time. This is set to missing (.) if the respondent is not currently working or currently on sick or other leave.
- **hourswork**: indicates the number of hours the respondent works per week. This is set to missing (.) if the respondent is not currently working or currently on sick or other leave.
- **hhincome**: is the total combined income of all members of the respondent's household (living in their household) during the past 12 months.
- **anyhhmember**: indicates whether there were any members in the respondent's household at the time he/she answered the survey as reported by the respondent.
- **hhmembernumber**: indicates the number of household members in the respondent's household at the time of the survey as reported by the respondent. It may be that 'anyhhmember' is 'Yes', but 'hhmembernumber' is missing if the respondent did not provide the number of household members at the time of the survey.
- **hhmemberin_#**: indicates whether a household member is currently in the household as reported by the respondent. Household members are never removed from the stored household roster and their information is always included in survey data sets. The order of the roster is the same order in which household members were specified by the respondent in the 'MyHousehold' survey. The order is identified by the suffix _# (e.g., _1 indicates the first household member, _2 the second household member, etc.).

  As an example, if the first household member is in the household at the time of the survey, 'hhmemberin_1' is set to '1 HH Member 1 is in the HH'; if he/she has moved out, 'hhmemberin_1' is set to '0 HH member 1 is no longer in the HH'. Since information of other household members (stored in the variables listed below) is always included in survey data sets, information about 'hhmemberin_1' is available whether this person is still in the household or has moved out.
- **hhmembergen_#**: indicates the gender of another household member as reported by the respondent.
- **hhmemberage_#**: indicates the age of another household member. The age is derived from the month and year of birth of the household member as reported by the respondent.
- **hhmemberrel_#**: indicates the relationship of the respondent to the other household member as reported by the respondent.

- **hhmemberuasid_#**: is the 'uasid' of the other household member if this person is also a UAS panel member. It is set to missing (.) if this person is not a UAS panel member at the time of the survey. Since this identifier is directly reported by the respondent (chosen from a preloaded list), it may differ from the actual (correct) 'uasid' of the UAS member it refers to because of reporting error. Also, this variable should not be used to identify UAS members in a given household at the time of the survey. This is because the variables 'hhmemberuasid_#' are taken from the most recent 'My Household' and changes in household composition involving UAS members may have occurred between the time of the respondent answered 'My Household' and the time the respondent answers the survey. To follow UAS members of a given household, it is advised to use the identifiers 'uashhid' and 'survhhid'.

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

In addition, data sets created after May 8, 2025 include an urbanicity variable. It is based on panel members' current census tract of residence and the 2010 Rural-Urban Commuting Area (RUCA) codes released by the US Department of Agriculture's Economic Research Service. To preserve confidentiality, the UAS collapses the 10 primary RUCA codes to 4 levels: Metropolitan, Micropolitan, Small/Rural, and Unknown. The Metropolitan level corresponds to primary RUCA codes 1-3, the Micropolitian level corresponds to RUCA codes 4-6, and the Small/Rural UAS classification corresponds to RUCA codes 7-10.

For detailed information and definitions of the 10 primary RUCA codes, please visit the USDA ERS Rural-Urban Commuting Area Codes site. Surveys conducted completely prior to May 8, 2025 will have an urbanicity data set available on request.

5 MISSING DATA CONVENTIONS

Data files provide so-called clean data, that is, answers given to questions that are not applicable anymore at survey completion (for example because a respondent went back in the survey and skipped over a previously answered question) are treated as if the questions were never asked. In the data files all questions that were asked, but not answered by the respondent are marked with (.e). All questions never seen by the respondent (or any dirty data) are marked with (.a). The latter may mean that a respondent did not view the question because s/he skipped over it; or alternatively that s/he never reached that question due to a break off. If a respondent did not complete a survey, the variables representing survey end date and time are marked with (.c). Household member variables are marked with (.m) if the respondent has less household members (e.g. if the number of household members is 2, any variables for household member 3 and up are marked with (.m).

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

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

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

6 ROUTING SYNTAX

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

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

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

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

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

7 SURVEY WITH ROUTING

/* Minor textual changes were made to the survey after an initial pilot (specifically questions pain_5b, pain_5c and pain_5d, and the end point of the pain rating scale in pain_01). The two groups are distinguishable per variable group_indicator. More information is available on request. */

group_indicator := 2

Start of section **Pain**

pain_intro (Section Pain)
This survey will ask you about your experience with chronic physical pain in your everyday life.

pain_01 (pain rating today in section Pain)
Since waking up today, how would you rate your pain on average on a scale from 0 to 10 (0=no pain and 10=pain as bad as you can imagine).

0 0 No pain
1 1
2 2
3 3
4 4
5 5
6 6
7 7
8 8
9 9
10 10 Pain as bad as you can imagine

pain_02 (time woke up in section Pain)
We would like to learn more about the pain that you experienced today. Not all days are the same - on some days your pain might be better and on some days it might be worse. Here, we are only asking you about the **pain that you felt today**. Before we begin, please use the drop-down menu below to tell us about what time you woke up today.
1 Midnight
2 00:30am
3 1:00am
4 1:30am
5 2:00am
6 2:30am
7 3:00am

8 3:30am
9 4:00am
10 4:30am
11 5:00am
12 5:30am
13 6:00am
14 6:30am
15 7:00am
16 7:30am
17 8:00am
18 8:30am
19 9:00am
20 9:30am
21 10:00am
22 10:30am
23 11:00am
24 11:30am
25 Noon
26 12:30pm
27 1:00pm
28 1:30pm
29 2:00pm
30 2:30pm
31 3:00pm
32 3:30pm
33 4:00pm
34 4:30pm
35 5:00pm
36 5:30pm
37 6:00pm
38 6:30pm
39 7:00pm
40 7:30pm
41 8:00pm
42 8:30pm
43 9:00pm
44 9:30pm
45 10:00pm
46 10:30pm
47 11:00pm
48 11:30pm

FLInclude := empty
pain_03 := getCurrentTime()
pain_03_dummy := pain_03

pain_04_intro (Section Pain)
For the next set of questions, we would like for you to think about your entire day today. Think of your day as a continuous series of scenes or episodes in a film.We would like for you to categorize your day into a number of episodes starting from **the time you woke up today at (time woke up()) until about now**.

Please select the approximate times at which each episode began and ended. Indications of the end of an episode might be going to a different location, ending one activity and starting another, a change in the people you are interacting with, or a change in your pain level.

Try to divide your day into at least 4 episodes (but you are free to specify more than 4 and up to 7 episodes). Use the number of episodes that makes the most sense to you and best captures what you did and how you felt today.

Give each episode a brief name that will help you remember it (for example, ”commuting to work”, or ”at lunch with B”, where B is a person or a group of people).

/* Respondents list a minimum of four (and up to seven) pain episodes. The start time of each episode on the previous episode (and the time of waking up for the first episode). */

LOOP FROM 1 TO 7

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

pain_04_intro2 (Section Pain)
Please give a brief name (for example, ”commuting to work”, or ”at lunch with B”, where B is a person or a group of people) for **episode (())** and indicate what time it started and what time it ended.

SUBGROUP OF QUESTIONS

pain_04_name (name of episode in section Pain)
STRING

pain_04_timestart (what time episode started in section Pain)
Episode
1 Midnight
2 00:30am
3 1:00am
4 1:30am
5 2:00am

6 2:30am
7 3:00am
8 3:30am
9 4:00am
10 4:30am
11 5:00am
12 5:30am
13 6:00am
14 6:30am
15 7:00am
16 7:30am
17 8:00am
18 8:30am
19 9:00am
20 9:30am
21 10:00am
22 10:30am
23 11:00am
24 11:30am
25 Noon
26 12:30pm
27 1:00pm
28 1:30pm
29 2:00pm
30 2:30pm
31 3:00pm
32 3:30pm
33 4:00pm
34 4:30pm
35 5:00pm
36 5:30pm
37 6:00pm
38 6:30pm
39 7:00pm
40 7:30pm
41 8:00pm
42 8:30pm
43 9:00pm
44 9:30pm
45 10:00pm
46 10:30pm
47 11:00pm
48 11:30pm
49 Midnight the next day
50 00:30am the next day

51 1:00am the next day
52 1:30am the next day
53 2:00am the next day
54 2:30am the next day
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67 9:00am the next day
68 9:30am the next day
69 10:00am the next day
70 10:30am the next day
71 11:00am the next day
72 11:30am the next day
73 Noon the next day
74 12:30pm the next day
75 1:00pm the next day
76 1:30pm the next day
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90 9:00pm the next day
91 9:30pm the next day
92 10:00pm the next day
93 10:30pm the next day
94 11:00pm the next day

95 11:30pm the next day

pain_04_timeend (what time episode ended in section Pain)
Episode
1 Midnight
2 00:30am
3 1:00am
4 1:30am
5 2:00am
6 2:30am
7 3:00am
8 3:30am
9 4:00am
10 4:30am
11 5:00am
12 5:30am
13 6:00am
14 6:30am
15 7:00am
16 7:30am
17 8:00am
18 8:30am
19 9:00am
20 9:30am
21 10:00am
22 10:30am
23 11:00am
24 11:30am
25 Noon
26 12:30pm
27 1:00pm
28 1:30pm
29 2:00pm
30 2:30pm
31 3:00pm
32 3:30pm
33 4:00pm
34 4:30pm
35 5:00pm
36 5:30pm
37 6:00pm
38 6:30pm
39 7:00pm
40 7:30pm
41 8:00pm

42 8:30pm
43 9:00pm
44 9:30pm
45 10:00pm
46 10:30pm
47 11:00pm
48 11:30pm
49 Midnight the next day
50 00:30am the next day
51 1:00am the next day
52 1:30am the next day
53 2:00am the next day
54 2:30am the next day
55 3:00am the next day
56 3:30am the next day
57 4:00am the next day
58 4:30am the next day
59 5:00am the next day
60 5:30am the next day
61 6:00am the next day
62 6:30am the next day
63 7:00am the next day
64 7:30am the next day
65 8:00am the next day
66 8:30am the next day
67 9:00am the next day
68 9:30am the next day
69 10:00am the next day
70 10:30am the next day
71 11:00am the next day
72 11:30am the next day
73 Noon the next day
74 12:30pm the next day
75 1:00pm the next day
76 1:30pm the next day
77 2:00pm the next day
78 2:30pm the next day
79 3:00pm the next day
80 3:30pm the next day
81 4:00pm the next day
82 4:30pm the next day
83 5:00pm the next day
84 5:30pm the next day
85 6:00pm the next day
86 6:30pm the next day

87 7:00pm the next day
88 7:30pm the next day
89 8:00pm the next day
90 8:30pm the next day
90 9:00pm the next day
91 9:30pm the next day
92 10:00pm the next day
93 10:30pm the next day
94 11:00pm the next day
95 11:30pm the next day

END OF SUBGROUP

END OF GROUP

IF pain_04_timestart(cnt) = EMPTY OR pain_04_timeend(cnt) = EMPTY OR pain_04_name(cnt) = EMPTY THEN

episode_error_fully (Section Pain)
Please indicate a brief name for the episode as well as what time it started and what time it ended.

ELSEIF pain_04_timestart(cnt) = RESPONSE AND (pain_04_timeend(cnt) = EMPTY OR pain_04_name(cnt) = empty) THEN

episode_error_fully (Section Pain)
Please indicate a brief name for the episode as well as what time it started and what time it ended.

ELSEIF pain_04_timeend(cnt) = RESPONSE AND (pain_04_timestart(cnt) = EMPTY OR pain_04_name(cnt) = empty) THEN

episode_error_fully (Section Pain)
Please indicate a brief name for the episode as well as what time it started and what time it ended.

ELSEIF pain_04_name(cnt) = RESPONSE AND (pain_04_timestart(cnt) = EMPTY OR pain_04_timeend(cnt) = empty) THEN

episode_error_fully (Section Pain)
Please indicate a brief name for the episode as well as what time it started and what time it ended.

ELSE

```
IF cnt > 3 AND cnt < 7 THEN

    pain_04_more (list another episode in section Pain)
    Do you want to add another episode?
    1 Yes
    2 No

    IF pain_04_more(cnt) = 2 THEN

    |

    END OF IF

  END OF IF

END OF IF

END OF LOOP


/* The episodes listed by respondents are sorted in random order and then asked about in
the pain_05 series. */

numberofepisodes := '0'
episodearray := array()

LOOP FROM 1 TO 7

  IF pain_04_name(cnt1) = RESPONSE THEN

    numberofepisodes := numberofepisodes + 1
    pain_05_name(numberofepisodes) := pain_04_name(cnt1)
    pain_05_timestart(numberofepisodes) := pain_04_timestart(cnt1)
    pain_05_timeend(numberofepisodes) := pain_04_timeend(cnt1)
    episodearray(numberofepisodes) := numberofepisodes

  END OF IF

END OF LOOP

IF sizeof(pain_order) = 0 THEN
  pain_order := shuffleArray(episodearray)
END OF IF

IF numberofepisodes > 0 THEN
```

pain_05_intro (Section Pain)
Now we would like to learn in more detail how you felt during these episodes. We will present the episodes in random order to you and ask you several questions about what happened and how you felt.

LOOP FROM 1 TO NUMBEROFEPISODES

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

pain_05a (pain rating today in section Pain)
Episode: (name of episode(pain_order(cnt)) ((what time episode started(pain_order(cnt)) - (what time episode ended(pain_order(cnt)))
Please rate how much pain you felt during this episode.

0 0 No pain
1 1
2 2
3 3
4 4
5 5
6 6
7 7
8 8
9 9
10 10 Pain as bad as you can imagine

pain_05b (physical sensations during pain episode in section Pain)
Please tell us about the physical sensations associated with your pain that you felt during this episode. Include as much detail as possible, such as location of the pain, type of pain and intensity. If you experienced more than one physical sensation, please list all physical sensations that related to your pain during this episode.

If you can, do not write about how your pain *generally* feels, but rather focus on what you felt *during this specific episode*.

If you do not remember, you can write "I do not remember".
STRING

pain_05c (mood and thoughts during pain episode in section Pain)
Please tell us about your mood and your thoughts during this episode as they relate to your pain. Include as much detail as possible about how your mood and thoughts were influenced by your pain. If you experienced more than one mood or thought, please list all moods and/or thoughts that are relevant to your pain experience during this episode.

If you can, do not write about your mood and thoughts in *general*, but rather focus on what you felt *during this specific episode*.

If you do not remember, you can write ”I do not remember”.
STRING

pain_05d (anything made pain better or worse during episode in section Pain)
Please tell us about anything that made your pain better or worse during this specific episode Include as much detail as possible, indicating whether any activities, behaviors or interactions made your pain better or worse. If multiple activities, behaviors or interactions made your pain better or worse, please list all that come to your mind.

If you can, do not write about what *generally* helps with your pain or makes it worse, but rather focus on what made the pain better or worse *during this specific episode*.

If you do not remember, you can write ”I do not remember”.
STRING

pain_05e (pain made impact on what wanted to do during episode in section Pain)
Please tell us how your pain impacted what you wanted to do during this episode. Include as much detail as possible, describing how your pain might have impacted your physical or social functioning. If your activities were impacted in more than one way by your pain, please list all that come to your mind.

If you can, do not write about how pain *generally* impacts you, but rather focus how the pain impacted you *during this specific episode*.

If you do not remember, you can write ”I do not remember”.
STRING

pain_05f (pain made impact on what wanted to do during episode in section Pain)
Overall, how well do you remember this episode compared to the other episodes during your day today?
0 0 I do not remember any details of this episode
1 1
2 2
3 3
4 4
5 5
6 6
7 7

8 8
9 9
10 10 I remember this episode in great detail

END OF GROUP

END OF LOOP
END OF IF

End of section **Pain**

Start of section **Background**

FLCurrentYear := date("Y")

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

ba001_month (month pain started in section Background)
When did your chronic pain start?
1 January
2 February
3 March
4 April
5 May
6 June
7 July
8 August
9 September
10 October
11 November
12 December

ba001_year (year pain started in section Background)
RANGE 1910..(())

END OF GROUP

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

ba002 (chronic pain conditions in section Background)
What is your chronic pain condition? Please check all that apply.
1 Chronic low back pain
2 Chronic neck pain
3 Osteoarthritis
4 Rheumatoid Arthritis

5 Temporomandibular disorder
6 Migraine/Headache
7 Inflammatory bowel disease/ulcerative colitis
8 Fibromyalgia
9 Neuropathic pain
10 Other, please describe:

ba002_other (other chronic pain conditions in section Background)
STRING

END OF GROUP

ba003 (currently receiving treatment for chronic pain in section Background)
Are you currently receiving treatment for your chronic pain?
1 Yes
2 No

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

ba004_intro (Section Background)
Today, how much has **pain interfered with your**:

SUBGROUP OF QUESTIONS

ba004a (General activity in section Background)
General activity
0 0 Did not interfere
1 1
2 2
3 3
4 4
5 5
6 6
7 7
8 8
9 9
10 10 Completely interfered

ba004b (Mood in section Background)
Mood
0 0 Did not interfere
1 1
2 2
3 3
4 4

5 5
6 6
7 7
8 8
9 9
10 10 Completely interfered

ba004c (Walking ability in section Background)
Walking ability
0 0 Did not interfere
1 1
2 2
3 3
4 4
5 5
6 6
7 7
8 8
9 9
10 10 Completely interfered

ba004d (Normal work (work outside the home and housework) in section Background)
Normal work (work outside the home and housework)
0 0 Did not interfere
1 1
2 2
3 3
4 4
5 5
6 6
7 7
8 8
9 9
10 10 Completely interfered

ba004e (Relations with other people in section Background)
Relations with other people
0 0 Did not interfere
1 1
2 2
3 3
4 4
5 5
6 6

7 7
8 8
9 9
10 10 Completely interfered

ba004f (Sleep in section Background)
Sleep
0 0 Did not interfere
1 1
2 2
3 3
4 4
5 5
6 6
7 7
8 8
9 9
10 10 Completely interfered

ba004g (Enjoyment of life in section Background)
Enjoyment of life
0 0 Did not interfere
1 1
2 2
3 3
4 4
5 5
6 6
7 7
8 8
9 9
10 10 Completely interfered

END OF SUBGROUP

END OF GROUP

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

ba005_intro (Section Background)
Please indicate the degree to which you have experienced each of the following thoughts or feelings when experiencing pain.

When I feel pain...

SUBGROUP OF QUESTIONS

ba005a (It's awful and I feel that it overwhelms me. in section Background)
It's awful and I feel that it overwhelms me.
0 Not at all
1 To a slight degree
2 To a moderate degree
3 To a great degree
4 All the time

ba005b (I feel I can't stand it anymore. in section Background)
I feel I can't stand it anymore.
0 Not at all
1 To a slight degree
2 To a moderate degree
3 To a great degree
4 All the time

ba005c (I become afraid that the pain may get worse. in section Background)
I become afraid that the pain may get worse.
0 Not at all
1 To a slight degree
2 To a moderate degree
3 To a great degree
4 All the time

ba005d (I keep thinking about how much it hurts. in section Background)
I keep thinking about how much it hurts.
0 Not at all
1 To a slight degree
2 To a moderate degree
3 To a great degree
4 All the time

ba005e (I keep thinking about how badly I want the pain to stop. in section Background)
I keep thinking about how badly I want the pain to stop.
0 Not at all
1 To a slight degree
2 To a moderate degree
3 To a great degree
4 All the time

ba005f (I wonder whether something serious may happen. in section Background)
I wonder whether something serious may happen.

0 Not at all
1 To a slight degree
2 To a moderate degree
3 To a great degree
4 All the time

END OF SUBGROUP

END OF GROUP

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

ba006_intro (Section Background)
Below you will find a list of statements. Please rate the truth of each statement as it applies to you.

SUBGROUP OF QUESTIONS

ba006a (I am getting on with the business of living no matter what my level of pain is in section Background)
I am getting on with the business of living no matter what my level of pain is.
0 Never true
1 Very rarely true
2 Seldom true
3 Sometimes true
4 Often true
5 Almost always true
6 Always true

ba006b (Keeping my pain level under control takes first priority whenever I am doing something in section Background)
Keeping my pain level under control takes first priority whenever I am doing something.
0 Never true
1 Very rarely true
2 Seldom true
3 Sometimes true
4 Often true
5 Almost always true
6 Always true

ba006c (Although things have changed, I am living a normal life despite my chronic pain in section Background)
Although things have changed, I am living a normal life despite my chronic pain.
0 Never true
1 Very rarely true

2 Seldom true
3 Sometimes true
4 Often true
5 Almost always true
6 Always true

ba006d (Before I can make any serious plans, I have to get some control over my pain in section Background)
Before I can make any serious plans, I have to get some control over my pain.
0 Never true
1 Very rarely true
2 Seldom true
3 Sometimes true
4 Often true
5 Almost always true
6 Always true

ba006e (I lead a full life even though I have chronic pain in section Background)
I lead a full life even though I have chronic pain.
0 Never true
1 Very rarely true
2 Seldom true
3 Sometimes true
4 Often true
5 Almost always true
6 Always true

ba006f (When my pain increases, I can still take care of my responsibilities in section Background)
When my pain increases, I can still take care of my responsibilities.
0 Never true
1 Very rarely true
2 Seldom true
3 Sometimes true
4 Often true
5 Almost always true
6 Always true

ba006g (I avoid putting myself in situations where my pain might increase in section Background)
I avoid putting myself in situations where my pain might increase.
0 Never true
1 Very rarely true
2 Seldom true
3 Sometimes true

4 Often true
5 Almost always true
6 Always true

ba006h (My worries and fears about what pain will do to me are true in section Background)
My worries and fears about what pain will do to me are true.
0 Never true
1 Very rarely true
2 Seldom true
3 Sometimes true
4 Often true
5 Almost always true
6 Always true

END OF SUBGROUP

END OF GROUP

GROUP OF QUESTIONS PRESENTED ON THE SAME SCREEN

ba007_intro (Section Background)
For each of the following questions, please choose the number that corresponds to how certain you are that you can do the following tasks regularly at the present time.

SUBGROUP OF QUESTIONS

ba007a (how certain can decrease pain quite a bit in section Background)
How certain are you that you can decrease your pain **quite a bit**?
1 1 Very uncertain
2 2
3 3
4 4
5 5
6 6
7 7
8 8
9 9
10 10 Very certain

ba007b (how certain can continue most of daily activities in section Background)
How certain are you that you can continue most of your daily activities?
1 1 Very uncertain
2 2
3 3

4 4
5 5
6 6
7 7
8 8
9 9
10 10 Very certain

ba007c (how certain can keep pain from interfering with sleep in section Background)
How certain are you that you can keep your pain from interfering with your sleep?
1 1 Very uncertain
2 2
3 3
4 4
5 5
6 6
7 7
8 8
9 9
10 10 Very certain

ba007d (how certain can make small-to-moderate reduction in pain by using methods other than taking extra medication in section Background)
How certain are you that you can make a **small-to-moderate** reduction in your pain by using methods other than taking extra medication?
1 1 Very uncertain
2 2
3 3
4 4
5 5
6 6
7 7
8 8
9 9
10 10 Very certain

ba007e (how certain can make large reduction in pain by using methods other than taking extra medication in section Background)
How certain are you that you can make a **large** reduction in your pain by using methods other than taking extra medication?
1 1 Very uncertain
2 2
3 3
4 4

5 5
6 6
7 7
8 8
9 9
10 10 Very certain

END OF SUBGROUP

END OF GROUP

End of section **Background**

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. */