WAVE 3 DATA COLLECTION INSTRUMENTS

Suggested Citation

NSHAP Investigators
Linda J. Waite, Principal Investigator
Kathleen Cagney
William Dale
Louise Hawkley
Elbert Huang
Diane Lauderdale
Edward O. Laumann
Martha McClintock
Colm A. O’Muircheartaigh
L. Philip Schumm

Acknowledgments
The National Social Life, Health and Aging Project is supported by the National Institute on Aging and the National Institutes of Health (R01AG043538; R01AG048511; R37AG030481). The content is solely the responsibility of the authors and does not necessarily represent the official views of the National Institutes of Health.

Contact Information
NORC at the University of Chicago
1155 East 60th Street
Chicago, Illinois 60637
Phone: (773) 256-6000
Fax: (773) 256-6313
http://www.norc.org/
NSHAP – WAVE 3 In-Person Questionnaire

I. Overview of Modular Design

II. In-Person Interview

   Introductions, Setup and Consent ................................................................. 3
   Basic Background Information ......................................................................... 6
      Gender .................................................................................................................. 6
      Age ....................................................................................................................... 6
      Education ............................................................................................................ 6
      Race/Ethnicity ...................................................................................................... 6
   Social Context ....................................................................................................... 8
   Roster ..................................................................................................................... 8
      Name Generator .................................................................................................. 8
      Roster Follow-up Questions .............................................................................. 11
      Network Density ................................................................................................ 12
      Network Change ................................................................................................. 13
   Social Support ....................................................................................................... 15
      Support from Partner .......................................................................................... 15
   Elder Mistreatment ............................................................................................... 17
   Physical Health ...................................................................................................... 20
      Self-Reported Health .......................................................................................... 20
      Sensory Function ................................................................................................ 20
      Surgeries and Procedures .................................................................................. 20
      Access to Health Care ....................................................................................... 22
      Medicare Linkage ............................................................................................... 30
      Functional Health ............................................................................................... 31
      Care Receiving .................................................................................................... 33
      Health Related Behaviors ................................................................................... 35
   Cognitive Measures .............................................................................................. 36
   NSHAP W3 Biomeasure Questionnaire ................................................................ 41
      Weight .................................................................................................................. 41
      Waist Circumference (New Cohort Only) ............................................................ 42
      Height (New Cohort Only) .................................................................................. 43
      Blood Pressure and Pulse #1 ............................................................................. 44
      Blood Pressure and Pulse #2 ............................................................................. 45
      Balance Measure ................................................................................................ 47
      Timed Walk .......................................................................................................... 49
      Chair Stands ......................................................................................................... 51
      Saliva and Medication Log (Saliva – New Cohort Only) .................................... 53
      Smell (Returning Respondents Only) .................................................................. 55
   Sex and Partnership ............................................................................................... 60
      Partner History (Marital, Cohab, Sexual) ............................................................. 60
      Sexual Interest and Motivation ............................................................................ 60
      Current (or Most Recent) Partnership .................................................................. 60
### Assessment and satisfaction with current relationship
- Behavior with partner
- Sexual Behavior and Function (Regardless of Partnership)
- Fertility and Menopause

### Sexual Behavior and Function (Regardless of Partnership)

### Fertility and Menopause

### Mental Health
- Happiness
- Depression

### Employment and Finances

### Income

### Household Assets

### Debriefing

### III. Leave-Behind Questionnaires

Version 1 (Returning Respondents)
Version 2 (New Cohort)
I. INTRODUCTIONS, SETUP AND CONSENT

PLEASE SELECT THE LANGUAGE IN WHICH YOU WOULD LIKE TO CONDUCT THE INTERVIEW.

NOTE: YOU MAY ONLY CONDUCT THE INTERVIEW IN SPANISH IF YOU COMPLETED THE NSHAP SPANISH TRAINING AND RECEIVED APPROVAL FROM THE PROJECT!

- English
- Spanish

FOR REFERANT RESPONDENT ONLY

1. Just to confirm, your name is [FILL FIRST AND LAST NAME FROM PRELOAD] and your year of birth is [FILL IN YEAR OF BIRTH FROM PRELOAD]?

   - BOTH NAME AND YEAR OF BIRTH ARE CORRECT (GO TO QUESTION 3)
   - SMALL CHANGES NEEDED (GO TO QUESTION 2)
   - WRONG PERSON (TERMINATE INTERVIEW)

2. PLEASE TYPE IN THE CORRECTED RESPONDENT INFORMATION, WHERE NEEDED.

   FIRST NAME: ____________________
   - NO CHANGE NEEDED
   LAST NAME: ____________________
   - NO CHANGE NEEDED
   YEAR OF BIRTH: ________________
   - NO CHANGE NEEDED

FOR NEW COHORT RESPONDENT ONLY

1. Just to confirm, your name is [FILL FIRST AND LAST NAME FROM PRELOAD] and your year of birth is [FILL IN YEAR OF BIRTH FROM PRELOAD]?

   - BOTH NAME AND YEAR OF BIRTH ARE CORRECT (GO TO QUESTION 5)
   - SMALL CHANGES NEEDED (GO TO QUESTION 2A)
   - WRONG PERSON (TERMINATE INTERVIEW)

WITHOUT YOB (ONLY FOR NEW COHORT RESPONDENTS WITHOUT YOB FROM HOUSEHOLD SCREENER):

1. Just to confirm, your name is [FILL FIRST AND LAST NAME FROM PRELOAD]?

   - NAME IS CORRECT (GO TO/question 3)
   - SMALL CHANGES NEEDED (GO TO QUESTION 2B)
   - WRONG PERSON (TERMINATE INTERVIEW)

WITHOUT LAST NAME (ONLY FOR NEW COHORT SPAWNED PARTNERS):

1. Just to confirm, your name is [FILL FIRST NAME FROM PRELOAD]?

   - NAME IS CORRECT (GO TO QUESTION 4)
   - SMALL CHANGES NEEDED (GO TO QUESTION 2C)
   - WRONG PERSON (TERMINATE INTERVIEW)

2A. PLEASE TYPE IN THE CORRECTED RESPONDENT INFORMATION, WHERE NEEDED.
FIRST NAME: ________________
- NO CHANGE NEEDED
LAST NAME: ________________
- NO CHANGE NEEDED
YEAR OF BIRTH: ________________
- NO CHANGE NEEDED (NOTE: SKIPS TO QUESTION 5)

2B. PLEASE TYPE IN THE CORRECTED RESPONDENT INFORMATION, WHERE NEEDED.

FIRST NAME: ________________
- NO CHANGE NEEDED
LAST NAME: ________________
- NO CHANGE NEEDED (NOTE: SKIPS TO QUESTION 3)

2C. PLEASE TYPE IN THE CORRECTED RESPONDENT INFORMATION, WHERE NEEDED

FIRST NAME: ________________
- NO CHANGE NEEDED (NOTE: SKIPS TO QUESTION 4)

3. What is your year of birth?

YEAR OF BIRTH: ________________
- DON’T KNOW
- REFUSED

4. What is your last name?

- DON’T KNOW (TERMINATE INTERVIEW)
- REFUSED (TERMINATE INTERVIEW)

FOR REFERANT RESPONDENT ONLY

3. I have a consent form that describes the study procedures, risks and benefits of participation, and confidentiality. I would like to read this form to you. If you prefer, however, you may read it to yourself. May I read the form to you now or would you like to read it yourself?

CHOOSE ONE
- R TO READ FORM (GO TO QUESTION 4)
- FI TO READ FORM TO R (GO TO QUESTION 5)

4. Take your time and after you’re finished I’ll ask you to sign the form. PRESS CONTINUE WHEN CONSENT FORM HAS BEEN READ AND SIGNED BY THE RESPONDENT.

- CONTINUE (GO TO NEXT SECTION)

5. READ FORM TO R. PRESS CONTINUE WHEN CONSENT FORM HAS BEEN READ AND SIGNED BY THE RESPONDENT.

- CONTINUE (GO TO NEXT SECTION)

FOR NEW COHORT RESPONDENT ONLY

5. I have a consent form that describes the study procedures, risks and benefits of participation, and confidentiality. I would like to read this form to you. If you prefer, however, you may read it to yourself. May I read the form to you now or would you like to read it yourself?

CHOOSE ONE
- R TO READ FORM (GO TO QUESTION 6)
FI TO READ FORM TO R (GO TO QUESTION 7)

6. Take your time and after you’re finished I’ll ask you to sign the form. PRESS CONTINUE WHEN CONSENT FORM HAS BEEN READ AND SIGNED BY THE RESPONDENT.
FI CONTINUE (GO TO NEXT SECTION)

7. READ FORM TO R. PRESS CONTINUE WHEN CONSENT FORM HAS BEEN READ AND SIGNED BY THE RESPONDENT.
FI CONTINUE (GO TO NEXT SECTION)
II. BASIC BACKGROUND INFORMATION

REMINDER: CONNECT THE ACCELEROMETER DEVICE TO THE LAPTOP NOW TO CHARGE THE BATTERY.
- PLUG THE LARGE END OF THE USB CABLE INTO THE LAPTOP.

IF THE RESPONDENT ASKS ABOUT THE DEVICE, EXPLAIN THAT IT IS FOR AN UPCOMING MEASURE AND WILL BE EXPLAINED FULLY LATER IN THE INTERVIEW.

- CONTINUE
- FORGOT DEVICE
- DEVICE UNAVAILABLE

FOR NEW COHORT RESPONDENT ONLY

1. PLEASE INDICATE THE GENDER OF THE RESPONDENT.

IF UNCLEAR, ASK: I am required to ask you the following: are you male or female?
- Male
- Female

2. First, we would like to get some basic background information about you.

In what month, day, and year were you born?

THESE ARE CRITICAL ITEMS. DON’T KNOW AND REFUSED ARE DISABLED. PLEASE PROBE FOR A RESPONSE.

- _____ (MONTH) _____ (DAY – ENTER A NUMBER FROM 1-31) _____ (YEAR)

Now I’d like to ask you some questions about your schooling.

3. Have you received a high school diploma or passed a high school equivalency test?
- YES, DIPLOMA (SKIP TO COLLEGE)
- YES, EQUIVALENCY (GO TO HSCHLGR1)
- NO (SKIP TO HSCHLGR2)
- DON’T KNOW (SKIP TO HSCHLGR2)
- REFUSED (SKIP TO HSCHLGR2)

4. How many grades of school did you finish prior to getting your GED?
   ______ (# OF YRS 0-11) (SKIP TO COLLEGE)
   - DON’T KNOW (SKIP TO COLLEGE)
   - REFUSED (SKIP TO COLLEGE)

5. How many grades of school did you finish?
   ______ (# OF YRS 0-11)
   - DON’T KNOW
   - REFUSED

6. Did you attend college or university?
- YES (GO TO COLLEGEY)
- NO (SKIP TO DEGREE)
- DON’T KNOW (SKIP TO DEGREE)
- REFUSED (SKIP TO DEGREE)
7. How many years did you complete at college or university? If you did graduate work, please include this also.

______ (# OF YEARS 0-20)

☐ DON'T KNOW
☐ REFUSED

8. What is the highest degree or certification you have earned?

☐ None
☐ High school diploma/equivalency
☐ Associate's (2-year college) or post-HS vocational certificate
☐ Bachelor's (4-year college) degree
☐ Master's degree/MBA
☐ Law or MD
☐ PhD
☐ Other (SPECIFY) ______

☐ DON'T KNOW
☐ REFUSED

9. Do you consider yourself primarily White or Caucasian, Black or African-American, American Indian, Asian or something else?

☐ WHITE/CAUCASIAN
☐ BLACK/AFRICAN AMERICAN
☐ AMERICAN INDIAN OR ALASKAN NATIVE
☐ ASIAN OR PACIFIC ISLANDER
☐ OTHER (SPECIFY) __________

☐ DON'T KNOW
☐ REFUSED

10. Do you consider yourself Hispanic or Latino?

☐ YES
☐ NO

☐ DON'T KNOW
☐ REFUSED
III. SOCIAL CONTEXT

Name Generator

FOR REFERANT AND NEW COHORT RESPONDENTS

RE: QUESTIONS 1-6: HAVE RESPONDENT USE ROSTER TO LIST PERSONS IDENTIFIED IN THIS SECTION

Now we are going to ask you some questions about your relationships with other people. We will begin by identifying some of the people you interact with on a regular basis. You may refer to these people in any way you want; for example, you may use just their first names or nicknames. We are not interested in the identities of these persons, we just need to have some way to refer to them so that when we ask you some follow-up questions we both know whom we are talking about.

1. From time to time, most people discuss things that are important to them with others. For example, these may include good or bad things that happen to you, problems you are having, or important concerns you may have. Looking back over the last 12 months, who are the people with whom you most often discussed things that were important to you? Please list these people in Section A of your roster.

(PROMPT IF “DON’T KNOW”: This could be a person you tend to talk to about things that are important to you.)

• TURN TO ROSTER PAGE IN ALL-IN-ONE. GIVE BOOKLET TO RESPONDENT AND ASK HIM OR HER TO WRITE UP TO 5 NAMES IN SECTION A.

• WHEN RESPONDENT HAS FINISHED WRITING NAMES IN ROSTER A, PROMPT ONCE IF HE OR SHE HAS NAMED FEWER THAN 5 PEOPLE: Are there any more? IF THE ANSWER IS "NO," DO NOT PUSH FURTHER.

• TAKE ALL-IN-ONE BOOKLET AND ENTER NAMES IN SECTION A INTO CAPI IN THE ORDER IN WHICH THEY WERE IDENTIFIED BY THE RESPONDENT.

IF NO ONE IS LISTED IN ROSTER SKIP TO Q2.

1A. Which of the following best describes [NAME]’s relationship to you? (PROMPT IF NEEDED: So this person is your . . .)  
- Spouse
- Ex-spouse
- Romantic/Sexual partner
- Parent
- Parent in-law
- Child
- Step-child
- Brother or sister
- Grandchild
- Other relative of yours
- Other in-law
- Friend
- Neighbor
- Co-worker or boss
- Minister, priest, or other clergy
- Psychiatrist, psychologist, counselor, or therapist
- Caseworker/Social worker
- Housekeeper/Home health care provider
- OTHER (SPECIFY) ________________

IF SPOUSE IS SELECTED IN QUESTION 1A, 2-4 WILL BE SKIPPED
2. Are you currently married, living with a partner, separated, divorced, widowed, or have you never been married?
   - MARRIED
   - LIVING WITH A PARTNER
   - SEPARATED
   - DIVORCED
   - WIDOWED
   - NEVER MARRIED

ASK QUESTION 3 ONLY IF RESPONDENT ANSWERED "SEPARATED", "DIVORCED", "WIDOWED", OR "NEVER MARRIED" TO QUESTION 2

3. Do you currently have a romantic, intimate, or sexual partner?
   - YES
   - NO

ASK QUESTION 4 ONLY IF RESPONDENT ANSWERED “MARRIED” OR "LIVING WITH A PARTNER" TO QUESTION 2, OR "YES" TO QUESTION 3

4. Is your [CURRENT PARTNER] someone we wrote down on your roster earlier?
   - YES (SKIP TO Q4A)
   - NO (SKIP TO Q4B)

SHOW RESPONDENT THE SOCIAL NETWORK ROSTER

4A. Please tell me the line number on which this person appears.

IF RESPONDENT IS NOT MARRIED OR COHABITING AND REPORTS HAVING MORE THAN ONE CURRENT PARTNER, ASK HIM OR HER TO PICK THE PARTNER HE OR SHE CONSIDERS TO BE THE MOST IMPORTANT.
SELECT LINE NUMBER

4B. Would you please add this person to Section B.
GIVE ALL-IN-ONE BACK TO RESPONDENT AND ASK HIM OR HER TO WRITE THIS PERSON’S NAME IN SECTION B OF THE ROSTER.
TAKE ALL-IN-ONE BOOKLET AND ENTER NAME OF PERSON ADDED TO SECTION B INTO CAPI.

5. (Excluding the people we wrote down on your roster earlier,) are there (other) people who live in your household with you?
   - YES (SKIP TO 5A)
   - NO (SKIP TO PEOLST)

5A. Please add these people to your list in Section C.
GIVE ALL-IN-ONE BACK TO RESPONDENT AND ASK HIM OR HER TO WRITE THE NAMES OF ANY (OTHER) HOUSEHOLD MEMBERS IN ROSTER SECTION C.

TAKE ALL-IN-ONE BOOKLET AND ENTER ALL NAMES THE RESPONDENT ADDS TO SECTION C INTO CAPI.

SKIP 5B IF THE RESPONDENT DOES NOT ADD ANYONE TO SECTION C

5B. Which of the following best describes [NAME]'s relationship to you? (PROMPT IF NEEDED: So this person is your . . .)

(USE HAND CARD B)
   - Ex-spouse
   - Romantic/Sexual partner
   - Parent
   - Parent in-law
   - Child
   - Step-child
- Brother or sister
- Grandchild
- Other relative of yours
- Other in-law
- Friend
- Neighbor
- Co-worker or boss
- Minister, priest, or other clergy
- Psychiatrist, psychologist, counselor, or therapist
- Caseworker/Social worker
- Housekeeper/Home health care provider
- OTHER (SPECIFY) ________________

Are there any more?
- YES
- NO

BEFORE GOING ON, REVIEW THE ENTIRE LIST WITH THE RESPONDENT BY READING IT OUT LOUD. DOUBLE CHECK THAT THE INFORMATION ON THE SCREEN IS CORRECT AND THAT THERE ARE NO DUPLICATES.
- IF INFORMATION IS INCORRECT, CLICK PREVIOUS, MOVING BACKWARDS UNTIL YOU REACH THE SCREEN OF THE MISTAKE. CORRECT THE MISTAKE AND CLICK NEXT TO MOVE FORWARD.
- IF THERE ARE DUPLICATES (I.E., THE SAME PERSON LISTED TWICE), CLICK ON THE BOX NEXT TO THE PERSON’S NAME. IN THE TEXT BOX NEXT TO THE DUPLICATE EXPLAIN THE SITUATION.
- IF THERE ARE NO DUPLICATES AND ALL THE INFORMATION IS CORRECT, CHOOSE ‘ALL THE INFORMATION IS CORRECT’ AND CLICK NEXT.

IF R DOES NOT LIST ANYONE IN THEIR ROSTER, SKIP TO SOCIAL SUPPORT.
**Roster Follow-up Questions**

(LOOP) FOLLOW-UP QUESTIONS: REPEAT FOR EACH INDIVIDUAL NAMED IN SOCIAL NETWORK ROSTER.

Next we are going to ask you some questions about the people you have just listed. We'll start with [NAME (RELATIONSHIP)].

1. Is [NAME (RELATIONSHIP)] male or female?
   - Male
   - Female

   SKIP IF [NAME] IS LISTED IN SECTION C (OTHER HOUSEHOLD MEMBERS)

2. Does [NAME (RELATIONSHIP)] live in the same household with you?
   (INTERVIEWER NOTE: LIVES IN SAME RESIDENCE WITH RESPONDENT, NOT IN SAME APARTMENT COMPLEX.)
   - YES – lives in the same household
   - NO – does not live in household
   - IF VOLUNTEERED – LIVES WITH RESPONDENT PART OF THE YEAR

**FOR REFERANT RESPONDENT ONLY**

ASK ONLY FOR PEOPLE LISTED IN ROSTER C

3. What is [NAME (RELATIONSHIP)]’s age?
   (PROMPT IF NEEDED: It’s okay if you don’t know the exact age, just give us your best guess.)

**FOR NEW COHORT RESPONDENT ONLY**

SKIP IF [NAME] IS NOT A HOUSEHOLD MEMBER

3. What is [NAME (RELATIONSHIP)]’s age?
   (PROMPT IF NEEDED: It’s okay if you don’t know the exact age, just give us your best guess.)

**FOR BOTH REFERANT AND NEW COHORT RESPONDENTS**

ASK ONLY IF R DOES NOT KNOW OR REFUSES Q3

3A. Is [NAME] older than you, younger than you, or about the same age?
   - OLDER THAN YOU
   - YOUNGER THAN YOU
   - ABOUT THE SAME AGE

   SKIP IF [NAME] IS A HOUSEHOLD MEMBER

4. Does (NAME) live in your local area -- that is, within a 20-minute walk or within about a mile of your home?
   - Yes
   - No

   [SKIP IF PERSON IS LISTED ON ROSTER C]

5. How often do you talk to this person?

   IF RESPONDENT ASKS, SAY THAT TALKING OVER THE TELEPHONE AND PERSONAL EMAIL (I.E., EMAIL BACK AND FORTH BETWEEN THE TWO OF YOU) MAY BE INCLUDED.
   (USE HAND CARD C)
   - Every day
   - Several times a week
   - Once a week
   - Once every two weeks
   - Once a month
(Loop) Network Density

(USE HAND CARD D)

In the next set of questions, I'm going to give you two of the names you listed earlier, and ask you to indicate how frequently these two people talk to each other by using the categories on this card. Once we get started, I think you'll see that this works pretty easily. Let's start with [NAME1] and [NAME2].

1. How frequently do [NAME1] and [NAME2] talk to each other?

IF RESPONDENT ASKS, SAY THAT TALKING OVER THE TELEPHONE AND PERSONAL EMAIL MAY BE INCLUDED.

- Every day
- Several times a week
- Once a week
- Once every two weeks
- Once a month
- A couple times a year
- Once a year
- Less than once a year
- Have never spoken to each other
Network Change
FOR REFERANT RESPONDENT ONLY

CAPI WILL DISPLAY PAST WAVES ROSTER (COMBINED WAVE 2 AND WAVE 1) AND WAVE 3 ROSTER)

Before we conclude this section of the survey, I’d like to verify any changes between the list you’ve created today and the list you created in a previous interview.

IF R DID NOT LIST ANYONE ON WAVE 3 ROSTER SKIP TO Q2
1. Is [NAME] included in the first list you created?
   □ YES (GO TO Q1A)
   □ NO (SKIP TO Q1B)

1A. Under what name does [NAME] appear on the first list?

(RECORD LINE NUMBER)

1B. IF “NO” TO Q1. How long have you known [NAME]?

(USE HAND CARD E)

   □ Less than a year
   □ 1 to 3 years
   □ 3 to 6 years
   □ More than 6 years

1C. IF “NO” TO Q1 AND ROSTER MEMBER LIVES WITH RESPONDENT:

What is [NAME]’s age? [PROMPT IF NEEDED: It’s okay if you don’t know the exact age, just give us your best guess.]

   □ _________ AGE

ASK ONLY IF R DOES NOT KNOW OR REFUSES Q1C

1D. Is [NAME] older than you, younger than you, or about the same age?

   □ OLDER THAN YOU
   □ YOUNGER THAN YOU
   □ ABOUT THE SAME AGE

(NOTE: Same variable as in 1c above)

1E. IF “YES” to Q1, ROSTER MEMBER IS HOUSEHOLD MEMBER AND R DID NOT PROVIDE AGE IN W1: What is [NAME]’s age? [PROMPT IF NEEDED: It’s okay if you don’t know the exact age, just give us your best guess.]

   □ _________ AGE

(NOTE: Same variable as in Q1D above)

ASK ONLY IF R DOES NOT KNOW OR REFUSES Q1E

1F. Is [NAME] older than you, younger than you, or about the same age?

   □ OLDER THAN YOU
   □ YOUNGER THAN YOU
   □ ABOUT THE SAME AGE
PLEASE REVIEW ROSTERS TO DOUBLE CHECK THAT THE MATCHES YOU HAVE MADE ARE CORRECT AND TO MAKE SURE THAT THERE AREN'T OTHERS THAT SHOULD BE MATCHED.

2. I noticed that in a previous interview, you also listed [NAME from WAVE 2 or WAVE 1] as someone with whom you discuss important matters, but you did not list [NAME] this time. Is [NAME] still living?
   - YES (GO TO Q2A)
   - NO

2A. What is the main reason you are no longer in touch with [NAME]?
   - I moved
   - [NAME] moved
   - I became ill or had a health problem
   - [NAME] became ill or had a health problem
   - Other (Specify)

FOR BOTH RESPONDENT GROUPS
WHEN FINISHED:

That completes our questions about the relationships among the people you listed. Thank you for bearing with us.

FOR NEW COHORT RESPONDENTS ONLY

You have identified [NAME OF PARTNER FROM SNR] age [AGE OF PARTNER FROM SNR] to be your spouse or partner. When we first spoke to your household, the following person(s) were identified as being eligible to participate in our study. Is [NAME] the same person:

   - [FIRST NAME] [LAST NAME] [YOB] [AGE] (NOTE: ALL PEOPLE OTHER THAN THE RESPONDENT WHO SPAWNED FROM THE HOUSEHOLD SCREENER ARE LISTED IN A TABLE HERE WITH AS MANY OF THESE FIELDS FILLED IN POSSIBLE BASED ON INFORMATION FROM THE HOUSEHOLD SCREENER)
   - Not listed
   - Don’t Know

You have identified [NAME OF PARTNER FROM SNR] age [AGE OF PARTNER FROM SNR] to be your spouse or partner. We know that our partners have an important impact on our lives. To better understand the roles our partners play in shaping our health and social relationships, we will ask your partner to participate in an interview. Just as I asked you about your own attitudes and behaviors, I will ask your partner about their own attitudes and behaviors. If your partner decides to participate, please know that I will not share your confidential survey answers with your partner, or vice versa. All of the answers will remain confidential.
Social Support
FOR REFERANT AND NEW COHORT RESPONDENT GROUPS

Support from Partner
ASK THIS SECTION ONLY IF RESPONDENT HAS CURRENT PARTNER

For this next set of questions, I'd like you to think about your relationship with [CURRENT PARTNER].

1. Taking all things together, how would you describe your [MARRIAGE/RELATIONSHIP] with [CURRENT PARTNER] on a scale from 1 to 7 with 1 being very unhappy and 7 being very happy? (USE HAND CARD F)
   - 1 Very unhappy
   - 2
   - 3
   - 4 Neither happy or unhappy
   - 5
   - 6
   - 7 Very happy

2. Some couples like to spend their free time doing things together, while others like to do different things in their free time. What about you and [CURRENT PARTNER]? Do you like to spend free time doing things together, or doing things separately?
   - TOGETHER
   - SOME TOGETHER, SOME DIFFERENT
   - DIFFERENT/SEPARATE THINGS

3. How often can you open up to [CURRENT PARTNER] if you need to talk about your worries? Would you say never, hardly ever or rarely, some of the time or often? (USE HAND CARD G)
   - Never
   - Hardly ever or rarely
   - Some of the time
   - Often

4. How often can you rely on [CURRENT PARTNER] for help if you have a problem? Would you say never, hardly ever or rarely, some of the time or often? (USE HAND CARD G)
   - Never
   - Hardly ever or rarely
   - Some of the time
   - Often

5. How often does [CURRENT PARTNER] make too many demands on you? Would you say never, hardly ever or rarely, some of the time or often? (USE HAND CARD G)
   - Never
   - Hardly ever or rarely
   - Some of the time
   - Often

6. How often does [CURRENT PARTNER] criticize you? Would you say never, hardly ever or rarely, some of the time or often? (USE HAND CARD G)
   - Never
   - Hardly ever or rarely
   - Some of the time
   - Often

7. How much does [CURRENT PARTNER] really understand the way you feel about things? Would you say never, hardly ever or rarely, some of the time or often? (USE HAND CARD G)
8. How often does [CURRENT PARTNER] open up to you if [HE/SHE] needs to talk about [HIS/HER] worries? Would you say never, hardly ever or rarely, some of the time or often? (USE HAND CARD G)
   - Never
   - Hardly ever or rarely
   - Some of the time
   - Often

9. How often does [CURRENT PARTNER] rely on you for help if [SHE/HE] has a problem? Would you say never, hardly ever or rarely, some of the time or often? (USE HAND CARD G)
   - Never
   - Hardly ever or rarely
   - Some of the time
   - Often

10. How much does [CURRENT PARTNER] let you down when you are counting on [HIM/HER]? Would you say never, hardly ever or rarely, some of the time or often? (USE HAND CARD G)
    - Never
    - Hardly ever or rarely
    - Some of the time
    - Often

11. How often does [CURRENT PARTNER] get on your nerves? Would you say never, hardly ever or rarely, some of the time or often? (USE HAND CARD G)
    - Never
    - Hardly ever or rarely
    - Some of the time
    - Often
Elder Mistreatment

FOR REFERANT RESPONDENT ONLY

(PROGRAMMING NOTE: The Elder Mistreatment section is only administered to RRs with a year of birth of 1955 or earlier; RRs born in 1956 or later will skip this section.)

For this next section, please think about ways that people behave towards you that bother you. Specifically, think of people and your relationships with them.

1. Since you turned 60, has there been a family conflict at home?
   - Yes
   - No
   - DON’T KNOW
   - REFUSED

2. SINCE YOU TURNED 60, have you felt uncomfortable with anyone in your family?
   - Yes
   - No
   - DON’T KNOW
   - REFUSED

3. SINCE YOU TURNED 60, have you felt that nobody wanted you around?
   - Yes
   - No
   - DON’T KNOW
   - REFUSED

4. SINCE YOU TURNED 60, has anyone told you that you gave them too much trouble?
   - Yes
   - No
   - DON’T KNOW
   - REFUSED

5. SINCE YOU TURNED 60, have you been afraid of anyone in your family?
   - Yes
   - No
   - DON’T KNOW
   - REFUSED

6. SINCE YOU TURNED 60, has anyone close to you tried to hurt or harm you?
   - Yes
   - No
   - DON’T KNOW
   - REFUSED

7. SINCE YOU TURNED 60, has someone in your family made you stay in bed or told you that you are sick when you know you are not?
   - Yes
   - No
   - DON’T KNOW
   - REFUSED

8. SINCE YOU TURNED 60, has anyone close to you called you names or put you down or made you feel badly?
   - Yes
   - No
   - DON’T KNOW
9. SINCE YOU TURNED 60, has anyone forced you to do things you didn’t want to do?
   - Yes
   - No
   - DON’T KNOW
   - REFUSED

10. SINCE YOU TURNED 60, has anyone taken things that belong to you without your OK?
    - Yes
    - No
    - DON’T KNOW
    - REFUSED

11. SINCE YOU TURNED 60, has anyone borrowed your money without paying you back?
    - Yes
    - No
    - DON’T KNOW
    - REFUSED

(Loop) Follow-up Questions

ASK ONLY IF RESPONDENT ANSWERS “YES” TO Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9, Q10, or Q11

12. You mentioned that, since you turned 60, [TEXT FILL FROM Q2 – Q11].

   TEXT FILLS:
   IF YES TO Q2: you have felt uncomfortable with someone in your family
   IF YES TO Q3: you have felt that nobody wanted you around
   IF YES TO Q4: someone has told you that you gave them too much trouble
   IF YES TO Q5: you have been afraid of someone in your family
   IF YES TO Q6: someone close to you has tried to hurt or harm you
   IF YES TO Q7: someone in your family made you stay in bed or told you that you were sick when you knew you were not
   IF YES TO Q8: someone close to you called you names or put you down or made you feel badly
   IF YES TO Q9: someone forced you to do things you didn’t want to do
   IF YES TO Q10: someone has taken things that belong to you without your OK
   IF YES TO Q11: someone has borrowed your money without paying you back

12A. How serious of a problem was this for you?
   - Not serious
   - Somewhat serious
   - Very serious
   - DON’T KNOW
   - REFUSED

(LOOP) FOLLOW-UP QUESTIONS: ASK ONLY IF RESPONDENT ANSWERS “YES” TO Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9, Q10, or Q11

12B. Thinking about the person who has done this the most since you turned 60, is this person someone we wrote down on your roster earlier?
   - YES (GO TO Q12C)
   - NO (SKIP TO Q12D)

SHOW RESPONDENT THE SOCIAL NETWORK ROSTER
12C. Please tell me the line number on which this person appears.
(RECORD LINE NUMBER)

USE HAND CARD H

12D. Which of the following best describes the person’s relationship to you?

- Spouse
- Ex-spouse
- Romantic/Sexual partner
- Parent
- Parent in-law
- Child
- Step-child
- Brother or sister
- Grandchild
- Other relative of yours
- Other in-law
- Friend
- Neighbor
- Co-worker or boss
- Minister, priest, or other clergy
- Psychiatrist, psychologist, counselor, or therapist
- Caseworker/Social worker
- Housekeeper/Home health care provider
- OTHER (SPECIFY) ______________
IV. PHYSICAL HEALTH
Self-Reported Health

FOR BOTH REFERANT AND NEW COHORT RESPONDENTS

This section is about your physical health. First, we would like to ask you some general questions.

1. Would you say your health is excellent, very good, good, fair, or poor? (USE HAND CARD I)
   - Excellent
   - Very good
   - Good
   - Fair
   - Poor

2. Today, do you have a head cold or chest cold?
   - Yes
   - No

NO QUESTIONS IN THIS WAVE for either Respondent group in the following sections:
Sensory Function

Surgeries and Procedures

FOR BOTH REFERANT AND NEW COHORT RESPONDENTS

Now we would like to ask about different tests or procedures you may have had done.

1. (WOMEN ONLY) How long has it been since you had a mammogram?
   (USE HAND CARD J)
   - Within the past year
   - Between 1 and 2 years ago (INCLUSIVE)
   - More than 2 years ago, but less than 5 years ago
   - 5 or more years ago
   - Never
   - DON`T KNOW
   - REFUSED

2. (WOMEN ONLY) Has a doctor ever suggested that you may no longer need regular mammograms?
   - Yes
   - No
   - DON`T KNOW
   - REFUSED

3. (WOMEN ONLY) Do you plan to have regular mammograms in the future?
   - Yes
   - No
   - DON`T KNOW
   - REFUSED
   - IF VOLUNTEERED – I do what my doctor says
4. (MEN ONLY) How long has it been since you had a Prostate-Specific Antigen test, also called a PSA test? (PROMPT: A PSA test is a blood test used to check men for prostate cancer.) (USE HAND CARD J)
   - Within the past year
   - Between 1 and 2 years ago (INCLUSIVE)
   - More than 2 years ago, but less than 5 years ago
   - 5 or more years ago
   - Never

5. (MEN ONLY) Has a doctor ever suggested that you may no longer need regular PSA tests?
   - Yes
   - No
   - DON’T KNOW
   - REFUSED

6. (MEN ONLY) Do you plan to have regular PSA tests in the future?
   - Yes
   - No
   - IF VOLUNTEERED – I do what my doctor says
   - DON’T KNOW
   - REFUSED

7. About how long has it been since you had a colonoscopy? (USE HAND CARD K)
   - Within the past year
   - Between 1 and 5 years ago (INCLUSIVE)
   - More than 5 years ago, but less than 10 years ago
   - 10 or more years ago
   - Never
Access to Health Care

BOTH REFERANT AND NEW COHORT RESPONDENTS

1. During the past 12 months, did you have any trouble finding a general doctor or provider who would see you?
   - 1 Yes
   - 2 No
   - DON’T KNOW
   - REFUSED

2. How often are you able to get an appointment when you are sick or need advice about your health as quickly as you think you need it?
   - Never or almost never
   - Sometimes
   - Usually
   - Always or almost always
   - DON’T KNOW
   - REFUSED

FOR REFERANT RESPONDENT ONLY

Since your last interview in [MONTH/YEAR], has a medical doctor told you that you have any of the following conditions? (PROMPT: Medical doctors include specialists such as dermatologists, psychiatrists, ophthalmologists, as well as general practitioners and osteopaths. Do not include chiropractors, dentists, nurses, or nurse practitioners.)

1. SINCE YOUR LAST INTERVIEW IN [MONTH/YEAR], HAS A DOCTOR TOLD YOU THAT YOU HAVE high blood pressure or hypertension?
   - YES
   - NO
   - REFUSED
   - DON’T KNOW

2. SINCE YOUR LAST INTERVIEW IN [MONTH/YEAR], HAS A DOCTOR TOLD YOU THAT YOU HAVE osteo- or rheumatoid arthritis?
   - YES
   - NO
   - REFUSED
   - DON’T KNOW

SKIP IF ‘NO’ TO Q2
2A. Which type of arthritis did your doctor tell you that you have?
   - Osteo arthritis
   - Rheumatoid arthritis
   - Both
   - DON’T KNOW
   - REFUSED

3. SINCE YOUR LAST INTERVIEW IN [MONTH/YEAR], HAS A DOCTOR TOLD YOU THAT YOU HAVE a heart condition?
   - YES
   - NO

3A. IF YES TO Q3: SINCE YOUR LAST INTERVIEW IN [MONTH/YEAR], HAS A DOCTOR TOLD YOU THAT YOU HAD a heart attack or myocardial infarction?
3B. IF YES TO Q3: SINCE YOUR LAST INTERVIEW IN [MONTH/YEAR], Have you had a procedure to treat coronary artery disease, such as cardiac by-pass surgery or placement of a coronary artery stent? (INTERVIEWER INSTRUCTION: IF RESPONDENT ASKS, THIS INCLUDES BALLOON ANGIPLOSTASY FOR TREATMENT OF CORONARY ARTERY DISEASE. IT DOES NOT INCLUDE AN ANGIOGRAM, WHICH IS A DIAGNOSTIC PROCEDURE)

☐ YES
☐ NO
☐ REFUSED
☐ DON’T KNOW

3C. IF YES TO Q3: SINCE YOUR LAST INTERVIEW IN [MONTH/YEAR], HAS A DOCTOR TOLD YOU THAT YOU HAD congestive heart failure or “CHF”?

☐ YES
☐ NO
☐ REFUSED
☐ DON’T KNOW

3D. IF YES TO Q3: SINCE YOUR LAST INTERVIEW IN [MONTH/YEAR], HAS A DOCTOR TOLD YOU THAT YOU HAD atrial fibrillation?

☐ YES
☐ NO
☐ REFUSED
☐ DON’T KNOW

4. SINCE YOUR LAST INTERVIEW IN [MONTH/YEAR], HAS A DOCTOR TOLD YOU THAT YOU HAVE cancer other than skin cancer?

☐ YES
☐ NO
☐ REFUSED
☐ DON’T KNOW

ASK ONLY IF ‘YES’ TO Q4

5. How many such cancers have you had?

☐ _____ Number (1-20)

IF MORE THAN ONE CANCER, ASK QUESTION 6 FOR FIRST CANCER AND FOR MOST RECENT CANCER (LOOP UP TO TWO TIMES). LOOP ONLY ONCE IF ONE CANCER REPORTED. DO NOT LOOP FOR SKIN CANCER.

ASK ONLY IF RESPONDENT HAD CANCER:

IF MORE THAN ONE CANCER:

FOR FIRST LOOP, INTRO TEXT SHOULD READ: Now thinking about your first cancer …

FOR SECOND LOOP, INTRO TEXT SHOULD READ: Now thinking about your most recent cancer …

6. When did the cancer begin? (PROMPT IF NEEDED: How old were you?)

☐ ANSWERED IN MONTH AND YEAR
☐ ANSWERED BY AGE
☐ DON’T KNOW
☐ REFUSED
IF ‘ANSWERED IN MONTH AND YEAR’ TO Q6

MONTH: _____
YEAR: _____

IF ‘ANSWERED BY AGE’ TO Q6
AGE: _____

ASK ONLY IF RESPONDENT HAD CANCER
6A. Sometimes, cancer will start in one place and spread to other parts of the body. Right now we are interested in knowing about primary cancer, or, in other words, where your cancer began. In which organ or part of your body did the cancer start? (DO NOT READ LIST)

☐ BLADDER
☐ BONE
☐ BRAIN
☐ BREAST
☐ CERVIX (WOMEN ONLY)
☐ COLON
☐ ESOPHAGUS
☐ GALLBLADDER
☐ KIDNEY
☐ LARYNX-WINDPIPE
☐ LEUKEMIA
☐ LIVER
☐ LUNG
☐ LYMPHOMA
☐ MOUTH, TONGUE, OR LIP
☐ OVARY (WOMEN ONLY)
☐ PANCREAS
☐ PERITONEAL
☐ PROSTATE (MEN ONLY)
☐ RECTUM
☐ RENAL
☐ SOFT TISSUE (MUSCLE OR FAT)
☐ STOMACH
☐ TESTES (MEN ONLY)
☐ THROAT – PHARYNX
☐ THYROID
☐ UTERUS (WOMEN ONLY)
☐ VULVA (WOMEN ONLY)
☐ OTHER: (SPECIFY) ________________

ASK ONLY IF RESPONDENT HAD CANCER
6B. Has this cancer spread to other parts of your body?
☐ YES
☐ NO

7. SINCE YOUR LAST INTERVIEW IN [MONTH/YEAR], HAS A DOCTOR TOLD YOU THAT YOU HAVE diabetes or high blood sugar?
☐ YES
☐ NO

IF YES TO Q7
7A. In what month and year did your doctor first tell you that you have diabetes or high blood sugar?
MONTH: _____
YEAR: _____

8. SINCE YOUR LAST INTERVIEW IN [MONTH/YEAR], HAS A DOCTOR TOLD YOU THAT YOU HAVE emphysema, asthma, chronic bronchitis, or chronic obstructive pulmonary disease?
   - YES
   - NO
   - REFUSED
   - DON’T KNOW

9. SINCE YOUR LAST INTERVIEW IN [MONTH/YEAR], HAS A DOCTOR TOLD YOU THAT YOU HAD a stroke, a cerebrovascular accident or CVA, a blood clot or bleeding in the brain, or transient ischemic attack or TIA?
   - YES
   - NO
   - REFUSED
   - DON’T KNOW

10. SINCE YOUR LAST INTERVIEW IN [MONTH/YEAR], HAS A DOCTOR TOLD YOU THAT YOU HAVE dementia, including Alzheimer's disease, vascular dementia, mixed dementia, or Mild Cognitive Impairment?
    - YES
    - NO
    - REFUSED
    - DON’T KNOW

11. SINCE YOUR LAST INTERVIEW IN [MONTH/YEAR], HAS A DOCTOR TOLD YOU THAT YOU HAVE a broken bone?
    - YES
    - NO
    - REFUSED
    - DON’T KNOW

   IF YES TO Q11
   11A. Which bone or bones?
       - HIP
       - LEG (OTHER THAN HIP)
       - WRIST
       - BACKBONE (VERTEBRAE) OR SPINAL COLUMN COMPRESSION FRACTURE
       - NOSE
       - SKULL FRACTURE
       - OTHER (SPECIFY)

12. Are there any other medical diseases or conditions that are important to your health now that we have not talked about?
    IF YES, ASK: What are they?
    - Yes__________________________
    - No

FOR NEW COHORT RESPONDENTS ONLY

Has a medical doctor ever told you that you have any of the following conditions? (PROMPT: Medical doctors include specialists such as dermatologists, psychiatrists, ophthalmologists, as well as general practitioners and osteopaths. Do not include chiropractors, dentists, nurses, or nurse practitioners.)

1. HAS A DOCTOR EVER TOLD YOU THAT YOU HAVE high blood pressure or hypertension?
2. HAS A DOCTOR EVER TOLD YOU THAT YOU HAVE osteo- or rheumatoid arthritis?
   - YES
   - NO
   - REFUSED
   - DON’T KNOW

2A. Which type of arthritis did your doctor tell you that you have…
   - Osteo arthritis
   - Rheumatoid arthritis
   - Both
   - DON’T KNOW
   - REFUSED

3. HAS A DOCTOR EVER TOLD YOU THAT YOU HAVE a heart condition?
   - YES
   - NO

3A. IF YES TO Q3: HAS A DOCTOR EVER TOLD YOU THAT YOU HAD a heart attack or myocardial infarction?
   - YES
   - NO
   - REFUSED
   - DON’T KNOW

3B. IF YES TO Q3: Have you had a procedure to treat coronary artery disease, such as cardiac by-pass surgery or placement of a coronary artery stent? (INTERVIEWER INSTRUCTION: IF RESPONDENT ASKS, THIS INCLUDES BALLOON ANGIOPLASTY FOR TREATMENT OF CORONARY ARTERY DISEASE. IT DOES NOT INCLUDE AN ANGIOGRAM, WHICH IS A DIAGNOSTIC PROCEDURE)
   - YES
   - NO
   - REFUSED
   - DON’T KNOW

3C. IF YES TO Q3: HAS A DOCTOR EVER TOLD YOU THAT YOU HAD congestive heart failure or “CHF”?
   - YES
   - NO
   - REFUSED
   - DON’T KNOW

3D. IF YES TO Q3: HAS A DOCTOR EVER TOLD YOU THAT YOU HAD atrial fibrillation?
   - YES
   - NO
   - REFUSED
   - DON’T KNOW

4. HAS A DOCTOR EVER TOLD YOU THAT YOU HAVE cancer other than skin cancer?
   - YES
   - NO
   - REFUSED
5. How many such cancers have you had?

☐ ______ Number (1-20)

IF MORE THAN ONE CANCER, ASK QUESTION 6 FOR FIRST CANCER AND FOR MOST RECENT CANCER (LOOP UP TO TWO TIMES). LOOP ONLY ONCE IF ONE CANCER REPORTED. DO NOT LOOP FOR SKIN CANCER.

ASK ONLY IF RESPONDENT HAD CANCER:
IF MORE THAN ONE CANCER:

FOR FIRST LOOP, INTRO TEXT SHOULD READ: Now thinking about your first cancer …

FOR SECOND LOOP, INTRO TEXT SHOULD READ: Now thinking about your most recent cancer …

6. When did the cancer begin? (PROMPT IF NEEDED: How old were you?)

☐ ANSWERED IN MONTH AND YEAR
☐ ANSWERED BY AGE
☐ DON’T KNOW
☐ REFUSED

IF ‘ANSWERED IN MONTH AND YEAR’ TO Q6

MONTH: ______
YEAR: ______

IF ‘ANSWERED BY AGE’ TO Q6

AGE: ______

ASK ONLY IF RESPONDENT HAD CANCER

6A. Sometimes, cancer will start in one place and spread to other parts of the body. Right now we are interested in knowing about primary cancer, or, in other words, where your cancer began. In which organ or part of your body did the cancer start? (DO NOT READ LIST)

☐ BLADDER
☐ BONE
☐ BRAIN
☐ BREAST
☐ CERVIX (WOMEN ONLY)
☐ COLON
☐ ESOPHAGUS
☐ GALLBLADDER
☐ KIDNEY
☐ LARYNX-WINDPIPE
☐ LEUKEMIA
☐ LIVER
☐ LUNG
☐ LYMPHOMA
☐ MOUTH, TONGUE, OR LIP
☐ OVARY (WOMEN ONLY)
☐ PANCREAS
☐ PERITONEAL
☐ PROSTATE (MEN ONLY)
☐ RECTUM
☐ RENAL
☐ SOFT TISSUE (MUSCLE OR FAT)
☐ STOMACH
☐ TESTES (MEN ONLY)
☐ THROAT - PHARYNX
☐ THYROID
☐ UTERUS (WOMEN ONLY)
☐ VULVA (WOMEN ONLY)
☐ OTHER: (SPECIFY) ________________

ASK ONLY IF RESPONDENT HAD CANCER
6B. Has this cancer spread to other parts of your body?
☐ YES
☐ NO

7. HAS A DOCTOR EVER TOLD YOU THAT YOU HAVE diabetes or high blood sugar?
☐ YES
☐ NO

IF YES TO Q7
7A. In what month and year did your doctor first tell you that you have diabetes or high blood sugar?
MONTH: _____
YEAR: _____

8. HAS A DOCTOR EVER TOLD YOU THAT YOU HAVE emphysema, asthma, chronic bronchitis, or chronic obstructive pulmonary disease?
☐ YES
☐ NO
☐ REFUSED
☐ DON’T KNOW

9. HAS A DOCTOR EVER TOLD YOU THAT YOU HAD a stroke, a cerebrovascular accident or CVA, a blood clot or bleeding in the brain, or transient ischemic attack or TIA?
☐ YES
☐ NO
☐ REFUSED
☐ DON’T KNOW

10. HAS A DOCTOR EVER TOLD YOU THAT YOU HAVE dementia, including Alzheimer's disease, vascular dementia, mixed dementia, or Mild Cognitive Impairment?
☐ YES
☐ NO
☐ REFUSED
☐ DON’T KNOW

11. In the last five years, has a doctor told you that you have a broken bone?
☐ YES
☐ NO
☐ REFUSED
☐ DON’T KNOW

IF YES TO Q11
11A. Which bone or bones?
☐ HIP
☐ LEG (OTHER THAN HIP)
☐ WRIST
☐ BACKBONE (VERTEBRAE) OR SPINAL COLUMN COMPRESSION FRACTURE
12. Are there any other medical diseases or conditions that are important to your health now that we have not talked about?
IF YES, ASK: What are they?
☐ Yes __________________________
☐ No
Medicare Linkage

FOR REFERANT RESPONDENT ONLY

We would like to understand how people’s medical history and how their use of health care may change as they age. To do that, we need to obtain information about health care costs and diagnoses for statistical purposes. The best place to get this information without taking up a lot more of your time is in the Medicare files. Could you give me your Medicare number for this purpose?

INTERVIEWER NOTE: COMMON FORMATS OF MEDICARE NUMBERS INCLUDE:

- 000-00-0000-A
- 000-00-0000-B1
- W-000000

(PROMPT IF NEEDED: Under the Privacy Act of 1974, providing your number is a voluntary decision. The benefits you may be receiving under this program will not be affected in any way by your decision.)

☐ NUMBER RECORDED (CODE EXACT NUMBER) __________
☐ RESPONDENT REFUSED NUMBER
☐ NUMBER NOT RECORDED (NOT REFUSED)
☐ DON’T KNOW
Functional Health

FOR BOTH REFERANT AND NEW COHORT RESPONDENTS

We are interested in what activities are easy or difficult for you. Please look at the answer categories on the hand card and tell me how much difficulty you have with each activity. Exclude any difficulties that you expect to last less than three months. (USE HAND CARD L)

1. Preparing meals?
   - No difficulty
   - Some difficulty
   - Much difficulty
   - Unable to do
   - IF VOLUNTEERED- HAVE NEVER DONE

2. Taking your medications?
   - No difficulty
   - Some difficulty
   - Much difficulty
   - Unable to do
   - IF VOLUNTEERED- HAVE NEVER DONE

3. Managing your money such as writing checks and keeping track of bills?
   - No difficulty
   - Some difficulty
   - Much difficulty
   - Unable to do
   - IF VOLUNTEERED- HAVE NEVER DONE

4. Shopping for groceries?
   - No difficulty
   - Some difficulty
   - Much difficulty
   - Unable to do
   - IF VOLUNTEERED- HAVE NEVER DONE

5. Performing light housework such as washing dishes, light vacuuming, or dusting?
   - No difficulty
   - Some difficulty
   - Much difficulty
   - Unable to do
   - IF VOLUNTEERED- HAVE NEVER DONE

6. Using a telephone?
   - No difficulty
   - Some difficulty
   - Much difficulty
   - Unable to do
   - IF VOLUNTEERED- HAVE NEVER DONE

7. Walking across a room?
   - No difficulty
   - Some difficulty
   - Much difficulty
   - Unable to do
   - IF VOLUNTEERED- HAVE NEVER DONE
8. Walking one block?
   - No difficulty
   - Some difficulty
   - Much difficulty
   - Unable to do
   - IF VOLUNTEERED- HAVE NEVER DONE

9. Dressing, including putting on shoes and socks?
   - No difficulty
   - Some difficulty
   - Much difficulty
   - Unable to do
   - IF VOLUNTEERED- HAVE NEVER DONE

10. Bathing or showering?
    - No difficulty
    - Some difficulty
    - Much difficulty
    - Unable to do
    - IF VOLUNTEERED- HAVE NEVER DONE

11. Eating, such as cutting up your food?
    - No difficulty
    - Some difficulty
    - Much difficulty
    - Unable to do
    - IF VOLUNTEERED- HAVE NEVER DONE

12. Getting in or out of bed?
    - No difficulty
    - Some difficulty
    - Much difficulty
    - Unable to do
    - IF VOLUNTEERED- HAVE NEVER DONE

13. Using the toilet, including getting up and down?
    - No difficulty
    - Some difficulty
    - Much difficulty
    - Unable to do
    - IF VOLUNTEERED- HAVE NEVER DONE

14. Driving a car during the day?
    - No difficulty
    - Some difficulty
    - Much difficulty
    - Unable to do
    - IF VOLUNTEERED- HAVE NEVER DONE

15. Driving a car during the night?
    - No difficulty
    - Some difficulty
    - Much difficulty
    - Unable to do
    - IF VOLUNTEERED- HAVE NEVER DONE
Care Receiving

ASK SECTION ONLY IF R HAD “SOME DIFFICULTY” “MUCH DIFFICULTY” OR “UNABLE TO DO” FOR ANY FUNCTIONAL HEALTH ITEM

TEXT FILLS:
IF YES TO Q1: preparing meals
IF YES TO Q2: taking your medications
IF YES TO Q3: managing your money such as writing checks and keeping track of bills
IF YES TO Q4: shopping for groceries
IF YES TO Q5: performing light housework such as dishes, light vacuuming, or dusting
IF YES TO Q6: using a telephone
IF YES TO Q7: walking across a room
IF YES TO Q8: walking one block
IF YES TO Q9: dressing, including putting on shoes and socks
IF YES TO Q10: bathing or showering
IF YES TO Q11: eating, such as cutting up your food
IF YES TO Q12: getting in or out of bed
IF YES TO Q13: using the toilet, including getting up and down
IF YES TO Q14: driving a car during the day
IF YES TO Q15: driving a car during the night

1. You mentioned that you have difficulty with some of these activities. Does anyone ever help you with [TEXT FILL FROM FUNCTIONAL HEALTH Q1-Q15]?

☐ YES
☐ NO

LOOP Qs 1 THROUGH 15 FOR EACH ITEM TO WHICH R RESPONDED “SOME DIFFICULTY,” “MUCH DIFFICULTY,” OR “UNABLE TO DO”

☐ YES
☐ NO

ASK IF “NO,” “DON’T KNOW,” OR “REFUSED” TO Q1:
1A. Would you like someone to help you with…

☐ YES
☐ NO

ASK IF ‘YES’ TO Q1
1B. You mentioned you received help with some of these activities. Thinking of the person who helps you most often, is this someone we wrote down on your roster earlier?

☐ YES (GO TO Q1C)
☐ NO (SKIP TO Q1D)

ASK IF ‘YES’ TO Q1A
1C. Please tell me the line number on which this person appears.
RECORD LINE NUMBER

ASK IF ‘NO’ TO Q1A
1D. Which of the following best describes this person’s relationship to you? (USE HAND CARD M)

☐ Spouse
☐ Ex-spouse
☐ Romantic/Sexual partner
☐ Parent
☐ Parent in-law
☐ Child
☐ Step-child
☐ Brother or sister
☐ Grandchild
☐ Other relative of yours
☐ Other in-law
☐ Friend
☐ Neighbor
☐ Co-worker or boss
☐ Minister, priest, or other clergy
☐ Psychiatrist, psychologist, counselor, or therapist
☐ Caseworker/Social worker
☐ Housekeeper/Home health care provider
☐ OTHER (SPECIFY) ________________

ASK IF ‘YES’ TO Q1
1E. Thinking of the person who helps you most often, how reliable would you say this person has been over the past 12 months?
(USE HAND CARD N)

☐ Not at all reliable
☐ Somewhat reliable
☐ Very reliable
☐ Completely reliable
☐ DON’T KNOW
☐ REFUSED
Health Related Behaviors

FOR BOTH REFERANT AND NEW COHORT RESPONDENTS
Now I will be asking you about physical activities you may do on a regular basis.

1. On average over the last 12 months how often have you participated in vigorous physical activity or exercise? By vigorous physical activity, we mean 30 minutes or more of things like sports, exercise classes, heavy housework, or a job that involves physical labor.

(USE HAND CARD O)
FI NOTES: WALKS FOR MORE THAN 30 MINUTES CAN COUNT

☐ 5 or more times per week
☐ 3 or 4 times per week
☐ 1-2 times per week
☐ 1-3 times per month
☐ Less than 1 time per month
☐ Never

Next, we would like to know about your use of alcohol and tobacco . . .

2. Have you drunk alcohol in the last three months?
☐ YES
☐ NO

ASK IF ‘YES’ TO Q2

3. In the last three months, on average, how many days per week have you had any alcohol to drink? For example, beer, wine, or any drink containing liquor. (DO NOT READ RESPONSES)

☐ 7 (Every day)
☐ 6
☐ 5
☐ 4
☐ 3
☐ 2
☐ 1
☐ 0 (None or less than once a week)

ASK IF ‘YES’ TO Q2

4. In the last three months, on the days you drink, about how many drinks do you have?
☐ _____ DRINKS

ASK IF ‘YES’ TO Q2

5. In the last three months, on how many days have you had four or more drinks in one occasion? (USE 0 FOR NONE)
☐ _____ DAYS

6. Do you smoke cigarettes, cigars or a pipe now?

(INTERVIEWER INSTRUCTION: DOES NOT INCLUDE SNUFF, CHEWING TOBACCO OR ANY OTHER FORMS OF TOBACCO)
☐ YES
☐ NO

ASK IF ‘YES’ TO Q6

7. On the average, how many cigarettes, cigars or pipes per day do you usually smoke? (NOTE: ONE PACK = 20 CIGARETTES)
☐ _____
V. COGNITIVE MEASURES

Cognitive Measures

1. COGNITIVE MEASURES (QUESTIONS, PROTOCOLS AND MATERIALS FOR THE COGNITIVE FUNCTION MEASURES ARE ALL THE SAME AS WAVE 2)

- IN PREPARATION FOR BLOOD SPOTS ACTIVATE THE HAND WARMER BY SHAKING IT VIGOROUSLY FOR A FEW SECONDS.

The next questions are about problem solving and memory. The questions may seem unusual, but they are routine questions we ask everyone. Some of the questions are very easy and some are difficult, so don’t be surprised if you have trouble with some of them. Try your best to answer all of the questions without using clues from around the room. If you wear glasses for reading, please use them.

1. Tell me the date today. First, tell me the month.

- JANUARY
- FEBRUARY
- MARCH
- APRIL
- MAY
- JUNE
- JULY
- AUGUST
- SEPTEMBER
- OCTOBER
- NOVEMBER
- DECEMBER
- OTHER (SPECIFY): _____________________
- DON’T KNOW
- REFUSED

RESPONDENT’S ANSWER IS…
(NOTE: TODAY’S MONTH IS [TEXT FILL])
- CORRECT
- INCORRECT/HAD ERRORS
- DON’T KNOW

Now, tell me the exact date.

DATE
- ______ (2 DIGITS)
- OTHER (SPECIFY): _____________________
- DON’T KNOW
- REFUSED

RESPONDENT’S ANSWER IS…
(NOTE: TODAY’S EXACT DATE IS [TEXT FILL])
- CORRECT
- INCORRECT/HAD ERRORS
- DON’T KNOW

2. Now, I want you to name this animal.

SHOW PICTURE #1 IN ALL-IN-ONE BOOKLET
☐ RHINO (OR RHINOCEROS)
☐ OTHER (SPECIFY): ______________
☐ DON'T KNOW
☐ REFUSED

3. The next few things I will ask you to do are pencil and paper tasks. PLACE BLANK CLOCK PAPER FROM ALL-IN-ONE BOOKLET AND PEN BEFORE RESPONDENT.

Now, I'd like you to draw a clock. Put in all the numbers and set the time to 10 after 11.

(PROMPT IF NECESSARY: Try your best to complete this task without using clues from around the room, such as a clock or a watch.)
☐ COMPLETED TASK
☐ COMPLETED TASK, BUT LOOKED AT CLOCK OR WATCH
☐ TRIED, UNABLE TO DO
☐ R UNABLE TO UNDERSTAND INSTRUCTIONS
☐ REFUSED

4. PLACE TRAIL PAPER FROM ALL-IN-ONE BOOKLET AND PEN BEFORE RESPONDENT

Take a minute to look over the paper. Notice, there are both numbers and letters. Please draw a line, going from a number to a letter in increasing order. Begin here (POINT TO 1), and draw a line from 1 to A, then from A to 2, and so on. End here (POINT TO E). The first two lines have been drawn for you.
☐ COMPLETED TASK
☐ TRIED, UNABLE TO DO
☐ R UNABLE TO UNDERSTAND INSTRUCTIONS
☐ REFUSED

5. This next section tests your memory. I am going to read a list of words that you will have to remember now and later on. Listen carefully. When I am through, tell me as many words as you can remember. It doesn’t matter in what order you say them. Ready?

READ SLOWLY (AT A RATE OF 1 WORD PER SECOND) AND PRONOUNCE CLEARLY: Face, Velvet, Church, Daisy, Red

INSTRUCT RESPONDENT TO REPEAT LIST

RECORD WHICH WORDS THE RESPONDENT REPEATS. THE ORDER DOES NOT MATTER.

<table>
<thead>
<tr>
<th></th>
<th>REPEATED</th>
<th>DID NOT REPEAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>FACE</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>VELVET</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>CHURCH</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>DAISY</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>RED</td>
<td>☐</td>
<td>☐</td>
</tr>
</tbody>
</table>

6. I’m going to read the same list for a second time. Try to remember and tell me as many words as you can, including words you said the first time.

READ SLOWLY (AT A RATE OF 1 WORD PER SECOND) AND PRONOUNCE CLEARLY: Face, Velvet, Church, Daisy, Red

INSTRUCT RESPONDENT TO REPEAT LIST

RECORD WHICH WORDS THE RESPONDENT REPEATS. THE ORDER DOES NOT MATTER.
I will ask you to recall these words again later on.

7. Now, I am going to say some numbers and when I am through, repeat them to me exactly as I said them.

READ THE FIVE NUMBER SEQUENCE TO THE RESPONDENT AT A RATE OF ONE DIGIT PER SECOND.

2, 1, 8, 5, 4

HAVE R REPEAT DIGITS

☐ CORRECT ANSWER (2, 1, 8, 5, 4)
☐ INCORRECT ANSWER
☐ TRIED, UNABLE TO DO
☐ R UNABLE TO UNDERSTAND INSTRUCTIONS
☐ REFUSED

8. Now I am going to say some more numbers, but when I am through, I want you to repeat them to me in the backwards order.

READ THE THREE NUMBER SEQUENCE TO THE RESPONDENT AT A RATE OF ONE DIGIT PER SECOND.

7, 4, 2

HAVE R REPEAT DIGITS IN THE BACKWARDS ORDER

☐ CORRECT ANSWER (2, 4, 7)
☐ INCORRECT ANSWER
☐ TRIED, UNABLE TO DO
☐ R UNABLE TO UNDERSTAND INSTRUCTIONS
☐ REFUSED

9. GET STOPWATCH READY.
   Now, starting with 100, I would like you to subtract 7 and then keep counting down by 7. (YOU CAN REPEAT THESE INSTRUCTIONS IF NECESSARY.)

PRESS ‘START/STOP’ ON STOPWATCH.
RECORD UP TO 6 NUMBERS.

RECORD FIRST NUMBER
☐ ______
☐ DON’T KNOW
☐ REFUSED

RECORD SECOND NUMBER
☐ ______
DON'T KNOW
REFUSED

RECORD THIRD NUMBER

DON'T KNOW
REFUSED

RECORD FOURTH NUMBER

DON'T KNOW
REFUSED

RECORD FIFTH NUMBER

DON'T KNOW
REFUSED

RECORD SIXTH NUMBER

DON'T KNOW
REFUSED

WHEN R FINISHED, PRESS ‘STOP/START’ ON STOPWATCH.

RECORD TIME FROM STOPWATCH (MINUTES AND SECONDS): |__|__| : |__|__|

10. I am going to read you a sentence. Repeat it after me, exactly as I say it. (PAUSE)

READ SENTENCE: The cat always hid under the couch when dogs were in the room.

HAVE R REPEAT SENTENCE.

REPETITION MUST BE EXACT. BE ALERT FOR ERRORS THAT ARE OMISSIONS (FOR EXAMPLE, OMITTING "ALWAYS"), BE ALERT FOR ERRORS THAT ARE SUBSTITUTIONS OR ADDITIONS. BE ALERT FOR ERRORS THAT ALTER PLURALS (FOR EXAMPLE, SUBSTITUTING "HIDES" FOR "HID").

CORRECT ANSWER (The cat always hid under the couch when dogs were in the room.)
INCORRECT ANSWER
TRIED, UNABLE TO DO
R UNABLE TO UNDERSTAND INSTRUCTIONS
REFUSED

11. HAVE WORD ANSWER SHEET IN ALL-IN-ONE BOOKLET, PEN, AND STOPWATCH READY.

Tell me as many words as you can think of that begin with a certain letter of the alphabet that I will tell you in a moment. You can say any kind of word you want, except for proper nouns and names like Bob or Boston, and numbers or words that begin with the same sound, but have a different ending, for example, love, lover, loving. I will tell you to stop after 1 minute. I will record your answers in this booklet. Are you ready?

WHEN R IS READY: Now, tell me as many words as you can think of that begin with the letter F.
PRESS ‘START/STOP’ ON STOPWATCH.
RECORD WORDS ON WORD ANSWER SHEET. RECORD ALL WORDS (EVEN IF PROPER NOUNS OR WORDS THAT BEGIN WITH SAME SOUND). STOP TEST WHEN STOPWATCH SAYS 1 MINUTE (0:01).00).

☐ COMPLETED TASK
☐ STOPPED BEFORE 60 SECONDS IS UP
☐ TRIED, UNABLE TO DO
☐ R UNABLE TO UNDERSTAND INSTRUCTIONS
☐ REFUSED

For this exercise, tell me what this pair of words has in common.

12. Tell me how a ruler and a watch are alike?

☐ MEASURING INSTRUMENTS
☐ USED TO MEASURE
☐ THEY HAVE NUMBERS
☐ OTHER (SPECIFY): ____________
☐ DON'T KNOW
☐ REFUSED

13. I read a list of words to you earlier, which I asked you to repeat and remember. Tell me as many of those words as you can remember. It doesn’t matter in what order you say them.

RECORD WHICH WORDS THE RESPONDENT REPEATS. THE ORDER DOES NOT MATTER.

<table>
<thead>
<tr>
<th></th>
<th>REPEATED</th>
<th>DID NOT REPEAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>FACE</td>
<td>✔️</td>
<td>❌</td>
</tr>
<tr>
<td>VELVET</td>
<td>❌</td>
<td>✔️</td>
</tr>
<tr>
<td>CHURCH</td>
<td>❌</td>
<td>✔️</td>
</tr>
<tr>
<td>DAISY</td>
<td>❌</td>
<td>✔️</td>
</tr>
<tr>
<td>RED</td>
<td>❌</td>
<td>✔️</td>
</tr>
</tbody>
</table>

14. COGNITIVE ASSESSMENT NOTES:
VI. BIOMEASURE BREAK

Weight

(IF RESPONDENT HASN'T ALREADY BROUGHT YOU THE MEDICATIONS: While I'm setting up for the next physical measures, please go get all medications that you take on a regular schedule, like every day or every week. This will include prescription and non-prescription medications, over-the-counter medicines, vitamins, and herbal and alternative medicines. I'll be recording them later.)

• IT IS VERY IMPORTANT TO HAVE THE ACTUAL BOTTLES/CONTAINERS/PACKAGES
• (PROMPT: Items not taken by mouth such as injections, inhalers, sprays, creams, patches, suppositories, and eye or ear drops should be included.)

Now let’s measure your weight.

• DOUBLE CHECK SCALE IS SWITCHED TO POUNDS
• ALLOW THE SCALE TO ZERO
• ASK R TO STAND ON SCALE (PLACE FEET ON GRAY MARKS)
• WHEN READOUT IS STABLE, RECORD WEIGHT

1. RECORD WEIGHT IN POUNDS:

☐ [___] [___] [___] [___] [___] [___] POUNDS
☐ R IN WHEELCHAIR
☐ R REFUSED TO STAND ON SCALE
☐ R OVER SCALE MAXIMUM
☐ EQUIPMENT PROBLEM
☐ TRIED, UNABLE TO DO

2. WEIGHT NOTES:
Waist Circumference

FOR NEW COHORT RESPONDENTS ONLY

Next let’s measure your waist.

- CONTINUE
- REFUSED (SKIP TO WAIST_NOTES)

- HAVE R STAND WITH FEET TOGETHER
- HAVE R RELAX ARMS AND STOMACH AND BREATHE NORMALLY
- ASK R TO POINT TO NAVAL
- PLACE MEASURING TAPE EVENLY AROUND THE WAIST
- MAKE SURE THE TAPE IS STRAIGHT AND NOT TWISTED

1. RECORD WAIST TO THE NEAREST HALF INCH (#.#)

- |___|____|. |____| INCHES

- EQUIPMENT PROBLEM
- TRIED, UNABLE TO DO

2. WAIST NOTES:
FOR NEW COHORT RESPONDENTS ONLY

Now let’s measure your height.

- HAVE R STAND STRAIGHT AGAINST WALL, FEET TOGETHER, EYES LOOKING FORWARD
- PLACE RAFTER SQUARE ON TOP OF R’S HEAD WITH WIDER EDGE VERTICAL AND FLAT AGAINST THE WALL
- PLACE POST-IT DIRECTLY BELOW THE RAFTER SQUARE ON THE WALL
- R STEP AWAY FROM WALL
- SET MEASURING TAPE AGAINST WALL AND MEASURE HEIGHT

1. RECORD HEIGHT TO THE NEAREST HALF INCH (##.#):

   |___|___| |___| INCHES
   
   ☐ R IN WHEELCHAIR
   ☐ R REFUSED TO BE MEASURED
   ☐ EQUIPMENT PROBLEM
   ☐ TRIED, UNABLE TO DO

2. HEIGHT NOTES:
Blood Pressure and Pulse #1

Now let’s take two blood pressure readings and measure your pulse. While I am setting up, please get a glass of water and drink it. It is necessary for upcoming measures.

- CONTINUE
- REFUSED (SKIP TO BP_NOTES)

- IF R IS WEARING SHIRT WITH SLEEVES, ASK TO PUSH SLEEVE UP
- HAVE R PLACE BOTH FEET ON THE FLOOR
- HAVE R LAY LEFT ARM ON THE [SURFACE] PALM FACING UP
- PUT CUFF ON R, JUST ABOVE ELBOW WITH TUBE TOWARD INNER SIDE OF ARM
- ADJUST TIGHTNESS WITH ROOM FOR TWO FINGERS
- LOOK AT INDEX MARK ARROW ON CUFF

- IF ▲ POINTS WITHIN THE PROPER FIT RANGE, YOU ARE USING THE CORRECT CUFF SIZE
- IF ▲ POINTS AT ANOTHER CUFF SIZE, YOU ARE USING THE INCORRECT CUFF SIZE AND SHOULD ATTACH THE RECOMMENDED CUFF

- PRESS START

- ENTER READING
- EQUIPMENT PROBLEM (SKIP TO BP_INTRO_2)
- TRIED, UNABLE TO DO (SKIP TO BP_NOTES)

1. ATTEMPT #1:
   - ▲ ▲ ▲ ▲ ▲ SYSTOLIC
   - ▲ ▲ ▲ ▲ ▲ DIASTOLIC

2. WAS THERE AN IRREGULAR HEARTBEAT (OUTLINE OF A HEART APPEARED ON MONITOR)?
   - YES
   - NO

3. PULSE #1 (BOTTOM LINE):
   - ▲ ▲ ▲ ▲ ▲
   - PULSE ERROR READING

4. WHAT ARM WAS USED FOR THE READING?
   - LEFT ARM
   - RIGHT ARM
**Blood Pressure and Pulse #2**

WAIT ONE MINUTE BETWEEN FIRST AND SECOND READING

Let’s take your final blood pressure reading.

- CONTINUE
- REFUSED (SKIP TO BP_NOTES)

5. ATTEMPT #2:
   - ENTER READING
   - EQUIPMENT PROBLEM (SKIP TO BP_NOTES)
   - TRIED, UNABLE TO DO (SKIP TO BP_NOTES)

- |____|____|____| SYSTOLIC
- |____|____|____| DIASTOLIC

6. WAS THERE AN IRREGULAR HEARTBEAT (OUTLINE OF A HEART APPEARED ON MONITOR)??

- YES
- NO

7. PULSE #2 (BOTTOM LINE):

- |____|____|____|
- PULSE ERROR READING

8. WHAT ARM WAS USED FOR THE READING?

- LEFT ARM
- RIGHT ARM

**IF EITHER OF THE BP READINGS WERE 200/120 OR HIGHER, DISPLAY THE FOLLOWING STATEMENT**

Your blood pressure reading today was (AVERAGE SYSTOLIC READING) over (AVERAGE DIASTOLIC READING). This is a very high blood pressure reading. Please contact your physician about this reading.

**IF EITHER OF THE BP READINGS WERE 80/50 OR LOWER, DISPLAY THE FOLLOWING STATEMENT**

Your blood pressure reading today was (AVERAGE SYSTOLIC READING) over (AVERAGE DIASTOLIC READING). This is a very low blood pressure reading. Please contact your physician about this reading.
IF EITHER OF THE PULSE READINGS WERE 150 OR HIGHER, DISPLAY THE FOLLOWING STATEMENT

Your pulse reading today was (AVERAGE PULSE READING). This is a very high pulse reading. Please contact your physician about this reading.

IF EITHER OF THE PULSE READINGS WERE 50 OR LOWER, DISPLAY THE FOLLOWING STATEMENT

Your pulse reading today was (AVERAGE PULSE READING). This is a very low pulse reading. Please contact your physician about this reading.

9. BLOOD PRESSURE NOTES:
Balance Measure

Next we are going to do a balance measure. Let me first demonstrate this measure. After I demonstrate the measure, please tell me if you cannot do a particular movement or if you feel it would be unsafe to try and do it.

- CONTINUE
- R CANNOT PARTICIPATE (IN WHEELCHAIR, CAN’T STAND UNASSISTED) (SKIP TO Q4)
- REFUSED (SKIP TO Q4)

1. POSITION #1

- USE HAND CARD BALANCE 1
- DEMONSTRATE FIRST POSITION WHILE EXPLAINING POSITION
  - STAND WITH FEET TOGETHER, SIDE-BY-SIDE FOR 10 SECONDS
  - TRY NOT TO MOVE YOUR FEET
  - TRY TO HOLD THIS POSITION UNTIL I TELL YOU TO STOP
- ASK R TO STAND IN FIRST POSITION
- ONCE R IS IN POSITION, SAY ‘BEGIN’ AND START TIMING
- TIME THE FIRST POSITION
  - PUSH ‘START/STOP’ BUTTON ON STOPWATCH WHEN YOU SAY ‘BEGIN’
  - PUSH ‘START/STOP’ BUTTON ON STOPWATCH AND SAY ‘STOP’ AFTER 10 SECONDS, OR
  - PUSH ‘START/STOP’ BUTTON ON STOPWATCH IF RESPONDENT STEPS OUT OF THE POSITION BEFORE 10 SECONDS

WHEN R IS IN FIRST POSITION: “Are you ready?”

WHEN R IS READY, PUSH ‘START/STOP’ ON STOPWATCH AND SAY “Begin”

- NUMBER OF SECONDS HELD: _____ (SKIP TO Q4 IF < 10 SEC)
- EQUIPMENT PROBLEM (SKIP TO Q4)
- TRIED, UNABLE TO DO (SKIP TO Q4)
- R COULD NOT HOLD POSITION UNASSISTED (SKIP TO Q4)
- NOT ATTEMPTED, FI FELT IT WAS UNSAFE (SKIP TO Q4)
- NOT ATTEMPTED, R FELT UNSAFE (SKIP TO Q4)
- R UNABLE TO UNDERSTAND INSTRUCTIONS (SKIP TO Q4)
- OTHER (SPECIFY): ________________ (SKIP TO Q4)

2. POSITION #2

- USE HAND CARD BALANCE 2
- PUSH ‘CLEAR’ ON STOPWATCH
- DEMONSTRATE SECOND POSITION WHILE EXPLAINING POSITION
  - STAND WITH THE HEEL OF ONE FOOT TOUCHING THE SIDE OF THE BIG TOE OF THE OTHER FOOT FOR 10 SECONDS
  - TRY NOT TO MOVE YOUR FEET
  - TRY TO HOLD THIS POSITION UNTIL I TELL YOU TO STOP
- ASK R TO STAND IN SECOND POSITION
- ONCE R IS IN POSITION, SAY ‘BEGIN’ AND START TIMING
- TIME THE SECOND POSITION
  - PUSH ‘START/STOP’ BUTTON ON STOPWATCH WHEN YOU SAY ‘BEGIN’
  - PUSH ‘START/STOP’ BUTTON ON STOPWATCH AND SAY ‘STOP’ AFTER 10 SECONDS, OR
  - PUSH ‘START/STOP’ BUTTON ON STOPWATCH IF RESPONDENT STEPS OUT OF THE POSITION BEFORE 10 SECONDS
- WHEN R IS IN SECOND POSITION: “Are you ready?”
• WHEN R IS READY, PUSH ‘START/STOP’ ON STOPWATCH AND SAY “Begin”

☐ NUMBER OF SECONDS HELD: ______ (SKIP TO Q4 IF < 10 SEC)
☐ EQUIPMENT PROBLEM (SKIP TO Q4)
☐ TRIED, UNABLE TO DO (SKIP TO Q4)
☐ R COULD NOT HOLD POSITION UNASSISTED (SKIP TO Q4)
☐ NOT ATTEMPTED, FI FELT IT WAS UNSAFE (SKIP TO Q4)
☐ NOT ATTEMPTED, R FELT UNSAFE (SKIP TO Q4)
☐ R UNABLE TO UNDERSTAND INSTRUCTIONS (SKIP TO Q4)
☐ OTHER (SPECIFY): ________________ (SKIP TO Q4)

3. POSITION #3

• USE HANDCARD BALANCE 3
• PUSH ‘CLEAR’ ON STOPWATCH
• DEMONSTRATE THIRD POSITION WHILE EXPLAINING POSITION
  o STAND WITH THE HEEL OF ONE FOOT IN FRONT OF AND TOUCHING THE TOES OF THE
    OTHER FOOT FOR 10 SECONDS
  o TRY NOT TO MOVE YOUR FEET
  o TRY TO HOLD THIS POSITION UNTIL I TELL YOU TO STOP
• ASK R TO STAND IN THIRD POSITION
• ONCE R IS IN POSITION, SAY ‘BEGIN’ AND START TIMING
• TIME THE THIRD POSITION
  o PUSH ‘START/STOP’ BUTTON ON STOPWATCH WHEN YOU SAY ‘BEGIN’
  o PUSH ‘START/STOP’ ON STOPWATCH AND SAY ‘STOP’ AFTER 10 SECONDS, OR
  o PUSH ‘START/STOP’ BUTTON ON STOPWATCH IF RESPONDENT STEPS OUT OF THE
    POSITION BEFORE 10 SECONDS

WHEN R IS IN THIRD POSITION: “Are you ready?”

WHEN R READY, PUSH ‘START/STOP’ ON STOPWATCH AND SAY “Begin”

☐ NUMBER OF SECONDS HELD: ______ (SKIP TO Q4 IF < 10 SEC)
☐ EQUIPMENT PROBLEM (SKIP TO Q4)
☐ TRIED, UNABLE TO DO (SKIP TO Q4)
☐ R COULD NOT HOLD POSITION UNASSISTED (SKIP TO Q4)
☐ NOT ATTEMPTED, FI FELT IT WAS UNSAFE (SKIP TO Q4)
☐ NOT ATTEMPTED, R FELT UNSAFE (SKIP TO Q4)
☐ R UNABLE TO UNDERSTAND INSTRUCTIONS (SKIP TO Q4)
☐ OTHER (SPECIFY): ________________ (SKIP TO Q4)

4. BALANCE NOTES:
Timed Walk

Now I am going to observe how you normally walk. If you use a cane or other walking aid and you feel you need it to walk a short distance, then you may use it. First, let me demonstrate this measure.

- CONTINUE
- R CANNOT PARTICIPATE (IN WHEELCHAIR, CAN’T STAND UNASSISTED) (SKIP TO Q4)
- REFUSED (SKIP TO Q4)

- USE PRE-CUT STRING TO MEASURE DISTANCE ON THE FLOOR
- DEMONSTRATE THE WALK WHILE PROVIDING INSTRUCTIONS
  - STAND WITH TOES TOUCHING THE BEGINNING OF THE STRING
  - START WALKING WHEN I SAY BEGIN
  - WALK AT YOUR USUAL PACE
  - WALK PAST THE END OF THE STRING BEFORE YOU STOP
- ALLOW R TO USE HIS/HER WALKING AID (CANE OR WALKER)
- ASK R TO STAND AT BEGINNING OF STRING

1. TIMED WALK #1

When I say “Begin” you may start walking.

- PUSH ‘START/STOP’ ON STOPWATCH AND SAY ‘Begin’
- PUSH ‘START/STOP’ ON STOPWATCH WHEN ONE OF R’S FEET IS COMPLETELY ACROSS THE OTHER END OF THE STRING

- ABLE TO DO (SPECIFY SECONDS): ______
- EQUIPMENT PROBLEM
  - TRIED, UNABLE TO DO
  - R COULD NOT WALK UNASSISTED
  - NOT ATTEMPTED, FI FELT UNSAFE
  - NOT ATTEMPTED, R FELT UNSAFE
  - R UNABLE TO UNDERSTAND INSTRUCTIONS
  - OTHER (SPECIFY): ____________

2. TIMED WALKED #2

- ASK RESPONDENT TO REPEAT WALK, FROM THE END OF THE STRING BACK TO THE BEGINNING OF THE STRING
- PUSH ‘CLEAR’ ON STOPWATCH

When I say “Begin” you may start walking.

- PUSH ‘START/STOP’ ON STOPWATCH AND SAY ‘Begin’
- PUSH ‘START/STOP’ ON STOPWATCH WHEN ONE OF R’S FEET IS COMPLETELY ACROSS THE OTHER END OF THE STRING

- ABLE TO DO (SPECIFY SECONDS): ______
- EQUIPMENT PROBLEM
- TRIED, UNABLE TO DO
- R COULD NOT WALK UNASSISTED
- NOT ATTEMPTED, FI FELT UNSAFE
- NOT ATTEMPTED, R FELT UNSAFE
- R UNABLE TO UNDERSTAND INSTRUCTIONS
OTHER (SPECIFY): __________

3. CHECK ALL THAT APPLY

- R WALKED UNSTEADILY
- R LIMPED, SHUFFLED OR DRAGGED A LEG
- R USED A CANE
- R USED WALKER
- R STATED IT’S PAINFUL
- NOTHING APPLIES

4. TIMED WALK NOTES:
Chair Stands

Now I am going to ask you to stand up from a chair without using your arms. First, let me demonstrate this measure. After I demonstrate the measure, please tell me if you cannot do this movement or if you feel it would be unsafe to try.

- CONTINUE
- R CANNOT PARTICIPATE (IN WHEELCHAIR, CAN’T STAND UNASSISTED) (SKIP TO Q3)
- REFUSED (SKIP TO Q3)

1. SINGLE CHAIR STAND

- DEMONSTRATE CHAIR STAND WHILE PROVIDING INSTRUCTIONS
  - SIT IN CHAIR WITH YOUR FEET ON THE FLOOR. SIT SO THAT YOU CAN PLACE THE WIDTH OF YOUR HANDS BETWEEN THE CHAIR AND YOUR KNEES.
  - FOLD YOUR ARMS ACROSS YOUR CHEST
  - STAND UP, KEEPING YOUR ARMS FOLDED ACROSS YOUR CHEST

When I say ‘Begin’ you may stand up straight from the chair.

- IF R CANNOT RISE WITHOUT USING ARMS, ASK R TO TRY TO STAND UP USING ARMS
  - R STOOD WITHOUT USING ARMS
  - R USED ARMS TO STAND
  - EQUIPMENT PROBLEM
  - TRIED, UNABLE TO DO
  - R COULD NOT STAND UNASSISTED
  - NOT ATTEMPTED, FI FELT IT WAS UNSAFE
  - NOT ATTEMPTED, R FELT UNSAFE
  - EQUIPMENT PROBLEM
  - OTHER (SPECIFY): __________

2. REPEATED CHAIR STAND

Now I’m going to ask you to stand up and sit down as quickly as you can five times, keeping your arms folded across your chest. I’m going to demonstrate one for you.

- DEMONSTRATE 1 CHAIR STAND WHILE PROVIDING INSTRUCTIONS
  - SIT IN CHAIR WITH YOUR FEET ON THE FLOOR
  - FOLD YOUR ARMS ACROSS YOUR CHEST
  - STAND UP AND SIT DOWN ONCE
  - TELL R TO REPEAT THAT 4 MORE TIMES

When I say “Begin” you may stand up.

- PUSH ‘START/STOP’ ON STOPWATCH AND SAY ‘Begin’
- COUNT OUT LOUD AS RESPONDENT ARISES EACH TIME
- PUSH ‘START/STOP’ ON STOPWATCH WHEN R HAS COMPLETELY STOOD UP FROM THE CHAIR FOR THE 5TH TIME
- STOP THE EXERCISE EARLY IF R CANNOT RISE WITHOUT USING ARMS, R IS TOO TIRED TO CONTINUE, OR R IS UNABLE TO COMPLETE AFTER 1 MINUTE

- TIME TO COMPLETE FIVE STANDS (SPECIFY SECONDS): ______
- EQUIPMENT PROBLEM
1. TRIED, UNABLE TO DO
2. R COULD NOT STAND UNASSISTED
3. NOT ATTEMPTED, FI FELT IT WAS UNSAFE
4. NOT ATTEMPTED, R FELT UNSAFE
5. R UNABLE TO UNDERSTAND INSTRUCTIONS
6. OTHER (SPECIFY): __________

3. CHAIR STAND NOTES:
Saliva and Medication Log

SALIVA IS FOR NEW COHORT RESPONDENTS ONLY

IF R IS NEW COHORT:
- WEAR NITRILE GLOVES

Now we are going to collect a sample of your saliva.

- CONTINUE
- REFUSED (SKIP TO DRUG_INTRO1)

- R 'SAVE' OR 'POOL' A SMALL AMOUNT OF SALIVA IN MOUTH
- R SHOULD NOT STRAIN SELF OR COUGH WHEN GENERATING SALIVA (NO PHLEGM OR MUCOUS)
- R USE SALIVA COLLECTION AID TO GET SALIVA IN TUBE
- R CANNOT EAT ANYTHING TO STIMULATE SALIVA
- TO STIMULATE SALIVA, R CAN IMAGINE EATING SOMETHING SOUR OR DELICIOUS, RUB HIS/HER TONGUE AGAINST INSIDE CHEEK/BELLOw BOTTOM LIP, OR WHILE LOOKING DOWN, MASSAGE NECK JUST BELOW THE EARLOBE, JUST BELOW THE JAW. FILL UP TUBE AS MUCH AS POSSIBLE WITH CLEAR LIQUID SALIVA (NOT FOAM, BUBBLES, PHELGM, OR MUCOUS)

ALL RESPONDENTS: MEDICATION LOG
1. (While you fill the saliva tube, I can give you some privacy by working on a record of your medications). I’d like to record all medications that you take on a regular schedule, like every day or every week. This will include prescription and non-prescription medications, over-the-counter medicines, vitamins, and herbal and alternative medicines. Do I have all of your medications here?

IF R IS RETURNING RESPONDENT AND NOT ELIGIBLE FOR SMELL: Please hold this hand warmer in your non-dominant hand for an upcoming measure.

- HAVE R HOLD HAND WARMER IN NON-DOMINANT HAND

- (PROMPT: Items not taken by mouth such as injections, inhalers, sprays, creams, patches, suppositories, and eye or ear drops should be included.)

ASK RESPONDENT TO OBTAIN ALL OF HIS/HER MEDICATIONS, IF NOT ALREADY PROVIDED

- IT IS VERY IMPORTANT TO HAVE THE ACTUAL BOTTLES/ CONTAINERS/ PACKAGES

ONLY ENTER MEDICATION NAME. DO NOT ENTER DETAILS SUCH AS DOSAGE, FREQUENCY, ETC.

IF IN BIOMEASURE SUBPATH 2 OR 4 AND SLV_INTRO = REFUSED, DISPLAY: “Could you please hold this hand warmer in your non-dominant hand for an upcoming measure?”

- ENTER MEDICATIONS
- RESPONDENT DOES NOT HAVE ANY MEDICATIONS (IF R IS NEW COHORT RESPONDENT, SKIP TO SLV1_INTRO INSTRUCTION; IF R IS RETURNING RESPONDENT AND ELIGIBLE FOR SMELL: SKIP TO SML_INTRO; IF R IS RETURNING RESPONDENT AND NOT ELIGIBLE FOR SMELL: SKIP TO BS_INTRO)
REFUSED (IF R IS NEW COHORT RESPONDENT, SKIP TO SLVVIAL1 INSTRUCTION; IF R IS
RETURNING RESPONDENT AND ELIGIBLE FOR SMELL: SKIP TO SML_INTRO; IF R IS
RETURNING RESPONDENT AND NOT ELIGIBLE FOR SMELL: SKIP TO BS_INTRO)

| ENTER NAME DRUG 1: Screen variable: Entry variable: |
| ENTER NAME DRUG 2: Variables for screen and entry as above. |
| ENTER NAME DRUG 3: |
| ENTER NAME DRUG 4: |
| ENTER NAME DRUG 5: |
| ENTER NAME DRUG 6: |
| ENTER NAME DRUG 7: |
| ENTER NAME DRUG 8: |
| ENTER NAME DRUG 9: |
| ENTER NAME DRUG 10: |
| ENTER NAME DRUG 11: |
| ENTER NAME DRUG 12: |
| ENTER NAME DRUG 13: |
| ENTER NAME DRUG 14: |
| ENTER NAME DRUG 15: |
| ENTER NAME DRUG 16: |
| ENTER NAME DRUG 17: |
| ENTER NAME DRUG 18: |
| ENTER NAME DRUG 19: |
| ENTER NAME DRUG 20: |
| ENTER NAME DRUG 21: |
| ENTER NAME DRUG 22: |
| ENTER NAME DRUG 23: |
| ENTER NAME DRUG 24: |
| ENTER NAME DRUG 25: |

(IF SLV_INTRO=REFUSED, SKIP TO SLV_NOTES)

IF R IS NEW COHORT: Please hold this hand warmer in your non-dominant hand for an upcoming measure.

- HAVE R HOLD HAND WARMER IN NON-DOMINANT HAND

2. I will package the sample.

- FIRMLY PRESS CAP INTO TOP OF TUBE
- FILL OUT SALIVA SHIPPING FORM
- PUT TUBE IN INSULATED BAG

SALIVA TUBE

- COMPLETE SAMPLE (TUBE HAS 1.5 OR MORE)
- PARTIAL SAMPLE (TUBE HAS LESS THAN 1.5)
- EQUIPMENT PROBLEM (SKIP TO SLV_NOTES)
- TRIED, UNABLE TO DO (SKIP TO SLV_NOTES)

3. ENTER SALIVA ID

- [ ] [ ] [ ] [ ] [ ]

4. SALIVA NOTES:
Smell

FOR REFERENT RESPONDENTS ONLY, BIOMEASURE SUBSTUDY
IF R ELIGIBLE FOR SMELL: Please hold this hand warmer in your non-dominant hand for an upcoming measure.

- HAVE R HOLD HAND WARMER IN NON-DOMINANT HAND

Now we are going to use pens to identify odors.

☐ CONTINUE
☐ REFUSED (SKIP TO Q13)

1. PRACTICE PEN FOR RED PENS (BLUE PEN #1)

First, I am going to give you a pen to smell. This pen has the odor we want you to identify. I will place the pen near your nose like this (DEMONSTRATE ON YOURSELF) and ask you to breathe in slowly through your nose. Are you ready to try?

- PUT ON ONE COTTON GLOVE
- HAVE R HOLD HEAD STILL
- WAVE PEN UNDER R’S NOSE FROM SIDE TO SIDE AND HAVE R BREATHE IN SLOWLY
- RECAP PEN IMMEDIATELY

Did you smell the odor?

☐ YES
☐ NO
☐ DON’T KNOW
☐ REFUSED

2. RED PEN #1, RED PEN #2, AND RED PEN #3

Let’s continue. I will offer you three pens to smell, one after the other. One of the three pens has the odor you already smelled and the other two do not. I will ask you to tell me which pen has the odor.

Some of the pens are strong and some of the pens are weak, so do not be discouraged if you cannot smell the odor in some of the pens because this is part of the measure. Just try your best to decide which pen has the odor.

- MAKE SURE 30 SECONDS HAS PASSED SINCE THE PRACTICE PEN
- PRESENT RED PEN #1 AND SAY: Number 1
- RECAP PEN
- PRESENT RED PEN #2 AND SAY: Number 2
- RECAP PEN
- PRESENT RED PEN #3 AND SAY: Number 3
- RECAP PEN

Which pen has the odor?

☐ ONE
☐ TWO
☐ THREE
☐ NONE OF THE PENS HAVE THE ODOR (IF VOLUNTEERED)
☐ DON’T KNOW
☐ REFUSED

3. RED PEN #4, RED PEN #5, AND RED PEN #6

...
• MAKE SURE 20 SECONDS HAS PASSED SINCE THE LAST SERIES
• PRESENT RED PEN #4 AND SAY: Number 1
• RECAP PEN
• PRESENT RED PEN #5 AND SAY: Number 2
• RECAP PEN
• PRESENT RED PEN #6 AND SAY: Number 3
• RECAP PEN

Which pen has the odor?
☐ ONE
☐ TWO
☐ THREE
☐ NONE OF THE PENS HAVE THE ODOR (IF VOLUNTEERED)
☐ DON'T KNOW
☐ REFUSED

4. RED PEN #7, RED PEN #8, AND RED PEN #9

• MAKE SURE 20 SECONDS HAS PASSED SINCE THE LAST SERIES
• PRESENT RED PEN #7 AND SAY: Number 1
• RECAP PEN
• PRESENT RED PEN #8 AND SAY: Number 2
• RECAP PEN
• PRESENT RED PEN #9 AND SAY: Number 3
• RECAP PEN

Which pen has the odor?
☐ ONE
☐ TWO
☐ THREE
☐ NONE OF THE PENS HAVE THE ODOR (IF VOLUNTEERED)
☐ DON'T KNOW
☐ REFUSED

5. RED PEN #10, RED PEN #11, AND RED PEN #12

• MAKE SURE 20 SECONDS HAS PASSED SINCE THE LAST SERIES
• PRESENT RED PEN #10 AND SAY: Number 1
• RECAP PEN
• PRESENT RED PEN #11 AND SAY: Number 2
• RECAP PEN
• PRESENT RED PEN #12 AND SAY: Number 3
• RECAP PEN

Which pen has the odor?
☐ ONE
☐ TWO
☐ THREE
☐ NONE OF THE PENS HAVE THE ODOR (IF VOLUNTEERED)
☐ DON'T KNOW
☐ REFUSED

6. RED PEN #13, RED PEN #14, AND RED PEN #15
7. **RED PEN #16, RED PEN #17, AND RED PEN #18**

- MAKE SURE 20 SECONDS HAS PASSED SINCE THE LAST SERIES
- PRESENT RED PEN #16 AND SAY: Number 1
- RECAP PEN
- PRESENT RED PEN #17 AND SAY: Number 2
- RECAP PEN
- PRESENT RED PEN #18 AND SAY: Number 3
- RECAP PEN

Which pen has the odor?
- ONE
- TWO
- THREE
- NONE OF THE PENS HAVE THE ODOR (IF VOLUNTEERED)
- DON’T KNOW
- REFUSED

8. **BLACK PEN #1**

I have five (last) pens that contain a smell of something familiar. For each pen, identify the smell using the four answer choices on this card (HAND CARD X).

- PRESENT BLACK PEN #1

Is it…

- Chamomile
- Raspberry
- Rose
- Cherry
- DON’T KNOW
- REFUSED

9. **BLACK PEN #2**

- HAND CARD X
- PRESENT BLACK PEN #2
Is it…

- Smoke
- Glue
- Leather
- Grass
- DON’T KNOW
- REFUSED

10. BLACK PEN #3

- HAND CARD X
- PRESENT BLACK PEN #3

Is it…

- Orange
- Blueberry
- Strawberry
- Onion
- DON’T KNOW
- REFUSED

11. BLACK PEN #4

- HAND CARD X
- PRESENT BLACK PEN #4

Is it…

- Bread
- Fish
- Cheese
- Ham
- DON’T KNOW
- REFUSED

12. BLACK PEN #5

- HAND CARD X
- PRESENT BLACK PEN #5

Is it…

- Chive
- Peppermint
- Pine
- Onion
- DON’T KNOW
- REFUSED

13. SMELL NOTES:
**Blood Spots**

- **DOUBLE-CHECK THAT RESPONDENT IS HOLDING HAND WARMER IN NON-DOMINANT HAND**
- **WEAR NITRILE GLOVES**

Now I’m going to collect a small sample of blood using a device called a lancet to quickly prick your finger. This device is commonly used by children and adults to check their blood sugar at home and feels like a small pin prick. It is sterile and made for one-time use.

- CONTINUE
- REFUSED **(SKIP TO BS_NOTES)**

- USE MIDDLE FINGER ON NON-DOMINANT HAND. IF NOT AVAILABLE, USE MIDDLE FINGER ON DOMINANT HAND.
- ANGLE R’S HAND BELOW THEIR LAP
- WIPE FINGER WITH ALCOHOL SWAB AND LET AIR DRY
- GENTLY KNEAD AND SQUEEZE FROM THE PALM TO THE FINGERTIP, DO NOT TOUCH FINGERTIP AFTER YOU HAVE WIPED IT WITH THE ALCOHOL SWAB
- SQUEEZE FINGER ABOVE PRICK SITE
- FIRMLY PRICK FINGER IN THE SIDE OF FLESHY PART OF THE PAD – PRICK THE SIDE CLOSER TO PINKY
- IMMEDIATELY DISPOSE LANCET IN SHARPS CONTAINER
- DROP FIRST DROP OF BLOOD BELOW THE FILTER PAPER CIRCLES, FULLY OUTSIDE OF CIRCLES
- COLLECT 5 ADDITIONAL BLOOD SPOTS IN THE CIRCLES ON FILTER PAPER CARD.

1. BLOOD FILTER PAPER

- NUMBER OF SPOTS COLLECTED [___]
- EQUIPMENT PROBLEM **(SKIP TO BS_NOTES)**
- TRIED, UNABLE TO DO (0 SPOTS) **(SKIP TO BS_NOTES)**

2. ENTER BLOOD FILTER PAPER ID

   [____] [____] [____] [____] [____]

3. RECORD THE NUMBER OF FINGER PRICKS:

   - ONE
   - TWO
   - THREE

4. BLOOD SPOT NOTES:
VII. SEX AND PARTNERSHIP

Partner History (Marital, Cohab, Sexual)

See flowchart.

(NOTE: Only change = questions added after death of spouse confirmed from W2.)

Sexual Interest and Motivation

**OPTION C. IF HAVE NAME, BUT CANNOT FIGURE OUT FROM THE BOXES WHICH PERSON IS THE MOST RECENT SEXUAL PARTNER:

You mentioned you had recent sexual activity with [NAME] and [NAME]. Which person is your most recent sexual partner?

Now we would like to ask you some more questions.

1. About how often do you think about sex?
   ❑ Less than once a month
   ❑ One to a few times a month
   ❑ One to a few times a week
   ❑ Every day
   ❑ Several times a day
   ❑ IF RESPONDENT STATES: NEVER

Current (or most recent) partnership

***NOTE: 3 POSSIBLE INTRODUCTIONS: OPTION A, B, OR C (WITH SUBSECTIONS) ***

**OPTION B. IF WE HAVE NOT ALREADY GOTTEN THIS PERSON’S NAME:

Now we’d like to ask you some questions about your relationship with your most recent sexual partner. Since we will be asking some questions about this partner, please tell me the first name or some other way to refer to this person:

❑ NAME ________________
❑ NEVER HAD SEX
❑ REFUSES TO GIVE NAME
❑ IF PROVIDE NAME OR REFUSED TO GIVE NAME ASK: Is this person male or female?
❑ MALE
❑ FEMALE

Assessment and satisfaction with current relationship

ASK THIS SECTION OF IF RESPONDENT HAS CURRENT PARTNER. IF R DOES NOT HAVE A CURRENT PARTNER, ASK SECTION IN REGARDS TO MOST RECENT PARTNER. A RECENT PARTNER IS DEFINED AS A PARTNERSHIP THAT OCCURRED IN THE PAST 5 YEARS.

**OPTION A. IF WE HAVE A NAME AND DATE OF MOST RECENT SEXUAL PARTNER: Now we’d like to ask you some questions about your relationship with (NAME OF MOST RECENT SEXUAL PARTNER).

1. How physically pleasurable did/do you find your relationship with [CURRENT/RECENT PARTNER] to be: extremely pleasurable, very pleasurable, moderately pleasurable, slightly pleasurable, or not at all pleasurable? (HAND CARD U)
   ❑ Extremely
   ❑ Very
   ❑ Moderately
2. How **emotionally** satisfying did/do you find your relationship with (him/her) to be? Extremely satisfying, very satisfying, moderately satisfying, slightly satisfying, or not at all satisfying? (HAND CARD U)

- Extremely
- Very
- Moderately
- Slightly
- Not at all

**Behavior with partner**

The next set of questions is about your sexual relationship with [PARTNER] in the last 12 months. You may refuse to answer any question, but as an interviewer for this survey I am required to ask all the questions.

1. During the last 12 months (IF NOT CURRENT PARTNER: During your relationship), about how often did you have sex with [CURRENT/RECENT PARTNER]? Was it … (HAND CARD V)

- Once a day or more
- 3-6 times a week
- Once or twice a week
- 2 to 3 times a month
- Once a month or less
- None at all
Sexual Behavior and Function (regardless of partnership)
FOR NEW COHORT ONLY

1. In your entire life so far, about how many men have you had sex with, even if only one time?
   -
   - DON’T KNOW
   - REFUSED

2. In your entire life so far, about how many women have you had sex with, even if only one time?
   -
   - DON’T KNOW
   - REFUSED

FOR REFERENT AND NEW COHORT RESPONDENTS

USE HAND CARD V2

3. Masturbation is a very common practice. By masturbation, we mean stimulating your genitals or sex organs for sexual pleasure, not with a sexual partner.
   *On average, in the past 12 months, how often did you masturbate?*
   (Please select one answer only.)
   - More than once a day
   - Every day
   - Several times a week
   - Once a week
   - 2-3 times a month
   - Once a month
   - Every other month
   - 3-5 times a year
   - 1-2 times a year
   - Not at all this year
   - DON’T KNOW
   - REFUSED

4. Sometimes people go through periods in which they are not interested in sex or are having trouble with sexual gratification. During the last 12 months has there ever been a period of several months or more when you…(READ A-H BELOW).

   4A. lacked interest in having sex?
   - Yes
   - No

   4B. were unable to climax, that is, experience an orgasm?
   - Yes
   - No

   4C. came to a climax, that is, experienced orgasm too quickly?
   - Yes
   - No

   4D. experienced physical pain during intercourse?
   - Yes
   - No

   4E. did not find sex pleasurable even if it was not painful?
☐ Yes
☐ No

4F. felt anxious just before having sex about your ability to perform sexually?
☐ Yes
☐ No

FOR MALE RESPONDENTS (REFERENT AND NEW COHORT)
4G. had trouble getting or maintaining an erection?
☐ Yes
☐ No

FOR FEMALE RESPONDENTS ONLY (REFERENT AND NEW COHORT)
4H. had trouble lubricating?
(IF RESPONDENT DOES NOT KNOW THE MEANING OF LUBRICATING, USE THE FOLLOWING PROMPT: When the vagina felt dry during sexual activity or, in other words, it did not become smooth or wet during sexual activity.)
☐ Yes
☐ No

5. IF RESPONDENT HAD ANY PROBLEMS: How much did this/these problems bother you?

(PROMPT IF NEEDED: RESPONDENT SAID HE/SHE:
- …lacked interest in having sex.
- …was unable to climax – experience an orgasm.
- …came to a climax – experienced orgasm – too quickly.
- …experienced physical pain during intercourse.
- …did not find sex pleasurable even if it was not painful.
- …felt anxious just before sex about your ability to perform sexually.
- …had trouble getting or maintaining an erection.
- …had trouble lubricating.)

☐ Extremely
☐ Very
☐ Moderately
☐ Slightly
☐ Not at all

SKIP IF R DID NOT HAVE ANY PROBLEMS
6. During the past 12 months, have you ever avoided sex because of the problem(s) you mentioned?
☐ Yes
☐ No

SKIP IF R DID NOT HAVE ANY PROBLEMS
7. Have you ever talked with [CURRENT PARTNER] about the problem(s) you mentioned?
☐ Yes
☐ No
VIII. FERTILITY AND MENOPAUSE
FOR REFERENT RESPONDENTS ONLY

ASK ONLY OF FEMALE RETURNING RESPONDENTS WHO WERE STILL MENSTRUATING AT W2

Now I’m going to ask you about your reproductive history.
1. When did your last menstrual period begin? That is, when was the first day of your last menstrual period?
   - Within the past week
   - About 2 weeks ago
   - About 3 weeks ago
   - About a month
   - Two months or more
   - No longer menstruating (OR GONE THROUGH “THE CHANGE”/ MENOPAUSE)

ASK IF “NO LONGER MENSTRUATING” TO Q1

2. How old were you when you had your last menstrual period?
   - ANSWERED BY AGE AT LAST MENSTRUAL PERIOD (GO TO AGELSTPD2)
   - ANSWERED IS STILL MENSTRUATING / HAVING PERIODS (SKIP TO HAPPY)
   - DON’T KNOW (SKIP TO HAPPY)
   - REFUSED (SKIP TO HAPPY)

   AGE AT LAST MENSTRUAL PERIOD:
   - ______
   - DON’T KNOW
   - REFUSED

FOR ALL FEMALE NEW COHORT RESPONDENTS

Now I’m going to ask you about your reproductive history.

3. When did your last menstrual period begin? That is, when was the first day of your last menstrual period?
   - Within the past week
   - About 2 weeks ago
   - About 3 weeks ago
   - About a month
   - Two months or more
   - No longer menstruating (OR GONE THROUGH “THE CHANGE”/ MENOPAUSE)

ASK IF “NO LONGER MENSTRUATING” TO Q3

4. How old were you when you had your last menstrual period?
   - ANSWERED BY AGE AT LAST MENSTRUAL PERIOD (GO TO AGELSTPD2)
   - ANSWERED IS STILL MENSTRUATING / HAVING PERIODS (SKIP TO HAPPY)
   - DON’T KNOW (SKIP TO HAPPY)
   - REFUSED (SKIP TO HAPPY)

   AGE AT LAST MENSTRUAL PERIOD:
   - ______
   - DON’T KNOW
   - REFUSED
IX. MENTAL HEALTH
FOR BOTH REFERENT AND NEW COHORT RESPONDENTS

Happiness
USE HAND CARD W

Now we will turn to thoughts and feelings you may have about your life or yourself. By asking about your thoughts and feelings in addition to your physical health, we can paint a more complete picture of your life.

1. If you were to consider your life in general these days, how happy or unhappy would you say you are, on the whole . . .
   - Extremely happy
   - Very happy
   - Pretty happy
   - Unhappy sometimes
   - Unhappy usually

Depression

Now let’s talk about thoughts and feelings you may have had during the past week. I will read a series of statements. Tell me how often during the past week you felt like this; rarely or none of the time, some of the time, occasionally, or most of the time? Don’t take too long over your replies; your immediate reaction to each item will probably be more accurate than a long thought out response.

During the past week . . .

2. USE HAND CARD X
I did not feel like eating; my appetite was poor
   - Rarely or none of the time
   - Some of the time
   - Occasionally
   - Most of the time

3. USE HAND CARD X
I felt depressed
   - Rarely or none of the time
   - Some of the time
   - Occasionally
   - Most of the time

4. USE HAND CARD X
I felt that everything I did was an effort
   - Rarely or none of the time
   - Some of the time
   - Occasionally
   - Most of the time

5. USE HAND CARD X
My sleep was restless
   - Rarely or none of the time
   - Some of the time
   - Occasionally
   - Most of the time
6. USE HAND CARD X
I was happy
- Rarely or none of the time
- Some of the time
- Occasionally
- Most of the time

7. USE HAND CARD X
I felt lonely
- Rarely or none of the time
- Some of the time
- Occasionally
- Most of the time

8. USE HAND CARD X
People were unfriendly
- Rarely or none of the time
- Some of the time
- Occasionally
- Most of the time

9. USE HAND CARD X
I enjoyed life
- Rarely or none of the time
- Some of the time
- Occasionally
- Most of the time

10. USE HAND CARD X
I felt sad
- Rarely or none of the time
- Some of the time
- Occasionally
- Most of the time

11. USE HAND CARD X
I felt that people disliked me
- Rarely or none of the time
- Some of the time
- Occasionally
- Most of the time

12. USE HAND CARD X
I could not get "going"
- Rarely or none of the time
- Some of the time
- Occasionally
- Most of the time
IX. EMPLOYMENT AND FINANCES

We are interested in the financial circumstances that might affect the health of Americans, so I’d like to ask you some questions about your employment and your finances.

Employment

1. Are you . . . CHOOSE ALL THAT APPLY. IF NONE OF THESE APPLIES, SELECT OTHER. (HAND CARD Y)
   - Currently working?
   - Retired?
   - Disabled and unable to work?
   - Unemployed or laid off and looking for work?
   - A homemaker?
   - OTHER (SPECIFY): ________________

2. ASK ONLY IF RESPONDENT IS NOT CURRENTLY WORKING AND IS NOT RETIRED: Have you ever worked for pay?
   - YES
   - NO
   - DON’T KNOW
   - REFUSED

3. ASK ONLY IF RESPONDENT ANSWERED ‘OTHER’ TO QUESTION 1: Are you working for pay, either full-time or part-time, at the present time?
   - YES
   - NO
   - DON’T KNOW
   - REFUSED

4. ASK ONLY IF RESPONDENT IS CURRENTLY WORKING: For what kind of business or industry are you currently working? (VERBATIM RESPONSE)

5. ASK ONLY IF RESPONDENT IS CURRENTLY WORKING: What kind of work are you doing? For example, electrical engineer, waiter, stock clerk, farmer. (VERBATIM RESPONSE)

6. ASK ONLY IF: RESPONDENT IS NOT CURRENTLY WORKING BUT HAS EVER WORKED FOR PAY, OR IS RETIRED: For what kind of business or industry did you work? (VERBATIM RESPONSE)

7. ASK ONLY IF: RESPONDENT IS NOT CURRENTLY WORKING BUT HAS EVER WORKED FOR PAY, OR IS RETIRED: What kind of work did you do? For example, electrical engineer, waiter, stock clerk, farmer. (VERBATIM RESPONSE)

FOR BOTH REFERENT AND NEW COHORT RESPONDENTS

I am next going to ask a few questions about work-related activities in the last week. By last week, I mean the week beginning on Sunday, [DATE], and ending on Saturday, [DATE].

8. Last week, did you do any work for pay?
   - YES (GO TO Q9)
   - NO (SKIP TO HEARN)
   - DON’T KNOW (SKIP TO HEARN)
   - REFUSED (SKIP TO HEARN)

ASK IF ‘YES’ TO Q8

9. How many hours per week do you usually work on this job?
   - _____ HOURS PER WEEK
**Income**

1. Now, I’d like to ask you about the income of your household. Altogether, what would you say was approximately the income of your household in [CURRENT YEAR MINUS 1] before taxes or deductions?
   - ___________________

   (PROMPT IF RESPONDENT ASKS FOR DEFINITION OF HOUSEHOLD: Household means people living together under one roof, including dependents like young children, elderly parents, adult children who have returned. It does not include platonic roommates.)

   (NOTE FOR INTERVIEWER: R should include earnings, government benefits like Social Security, Veterans benefits and SSI, and payments from pension plans of all members of the household. R should NOT include any interest payments from savings, payments from IRAs, dividends from stocks, bonds, or mutual funds, or any monetary gifts.)

2. ASK IF “DON’T KNOW/REFUSED” TO Q1: Would you say the income of your household in (CURRENT YEAR MINUS 1) was more than $50,000 or less than $50,000?
   - More than $50,000 (GO TO Q4)
   - About $50,000 (GO TO **HSASSETS**)
   - Less than $50,000 (GO TO Q3)
   - DON’T KNOW (GO TO **HSASSETS**)
   - REFUSED (GO TO **HSASSETS**)

AS IF "LESS THAN $50,000" TO Q2
3. Would you say the income of your household in (CURRENT YEAR MINUS 1) was more than $25,000 or less than $25,000?
   - More than $25,000 (GO TO **HSASSETS**)
   - About $25,000 (GO TO **HSASSETS**)
   - Less than $25,000 (GO TO **HSASSETS**)
   - DON’T KNOW (GO TO **HSASSETS**)
   - REFUSED (GO TO **HSASSETS**)

AS IF "MORE THAN $50,000" TO Q2
4. Would you say the income of your household in (CURRENT YEAR MINUS 1) was more than $100,000 or less than $100,000?
   - More than $100,000
   - About $100,000
   - Less than $100,000
   - DON’T KNOW
   - REFUSED
Household Assets

1. Now I’d like you to think about all of the assets of your household. These are things like your house if you own it, your cars, other rental properties and businesses you own, and financial assets like savings accounts, stocks, bonds, mutual funds, and pensions. Altogether, how much would you say that amounted to, approximately, after accounting for the loans you might have to pay off? (IF RESPONDENT ASKS IF THIS REFERS TO NET WORTH, CONFIRM THAT IT DOES.)

____________________________________

ASK IF "DON'T KNOW" OR "REFUSED" TO Q1.

2. Would you say that all of your assets combined amount to more or less than $50,000?

☐ More than $50,000 (GO TO Q4)
☐ About $50,000 (GO TO ADDRESS_PAGE)
☐ Less than $50,000 (GO TO Q3)
☐ DON'T KNOW (GO TO ADDRESS_PAGE)
☐ REFUSED (GO TO ADDRESS_PAGE)

ASK IF "LESS THAN $50,000" TO Q2

3. Would you say that all of your assets combined amount to more or less than $10,000?

☐ More than $10,000 (GO TO ADDRESS_PAGE)
☐ About $10,000 (GO TO ADDRESS_PAGE)
☐ Less than $10,000 (GO TO ADDRESS_PAGE)
☐ DON'T KNOW (GO TO ADDRESS_PAGE)
☐ REFUSED (GO TO ADDRESS_PAGE)

ASK IF "MORE THAN $50,000" TO Q2.

4. Would you say that all of your assets combined amount to more or less than $500,000?

☐ More than $500,000 (GO TO ADDRESS_PAGE)
☐ About $500,000 (GO TO ADDRESS_PAGE)
☐ Less than $500,000 (GO TO Q5)
☐ DON'T KNOW (GO TO ADDRESS_PAGE)
☐ REFUSED (GO TO ADDRESS_PAGE)

ASK IF "LESS THAN $500,000" TO Q4

5. Would you say that all of your assets combined amount to more or less than $100,000?

☐ More than $100,000
☐ About $100,000
☐ Less than $100,000
☐ DON'T KNOW
☐ REFUSED
XI. DEBRIEFING

Because people move from time to time, please give us the name, address and telephone number of a person who will always know where you can be reached even if you should move or change your phone number.

1. What is this person's . . .
   - FIRST & LAST NAME: ________________
   - STREET ADDRESS: ________________
   - CITY, STATE & ZIP: ________________
   - PHONE NUMBER: ________________
   
   ASK ONLY IF RESPONDENT PROVIDED A PHONE NUMBER AT ADDRESS_PAGE

2. Under what name is this phone number listed?
   - NAME: ________________
   - DON'T KNOW
   - REFUSED

3. We would like to confirm your home address. Is your home address [INSERT RESPONDENT ADDRESS FROM PRELOAD HERE]?
   - YES (SKIP TO Q5)
   - NO
   - DON'T KNOW
   - REFUSED

4. IF NO, DON'T KNOW, OR REFUSED TO Q3: Please tell us your correct home address.
   - STREET ADDRESS: ________________
   - CITY: ________________
   - STATE: ________________
   - ZIPCODE: ________________

5. IF PHONE NUMBERS AVAILABLE: We would like to confirm your phone number(s). We have your phone number(s) as [INSERT RESPONDENT PHONE NUMBERS FROM PRELOAD HERE]. Is that correct?
   - YES (SKIP TO Q7)
   - NO
   - DON'T KNOW
   - REFUSED

6. IF NO, DON'T KNOW, OR REFUSED TO Q5: Please tell us your correct phone numbers.
   ENTER PHONE NUMBERS AS ###-###-####
   - PHONE NUMBER 1 ________________
   - PHONE NUMBER 2 ________________
   - PHONE NUMBER 3 ________________

   ASK IF FEWER THAN 3 PHONE NUMBERS LISTED IN PRELOAD

7. Are there any other phone numbers we can reach you at?
   - YES (GO TO Q8)
   - NO (SKIP TO Q9)
   - DON'T KNOW
   - REFUSED

   ASK IF "YES" TO Q7, OR IF NO PHONE NUMBERS IN THE RESPONDENT’S PRELOADS

8. Please tell us up to three telephone numbers we can reach you at in the future, if necessary.
   ENTER US PHONE NUMBERS AS ###-###-####
   - PHONE NUMBER 1 ________________
   - PHONE NUMBER 2 ________________
   - PHONE NUMBER 3 ________________
9. IF EMAIL ADDRESS AVAILABLE: We would like to confirm your email address. Is your email address [INSERT RESPONDENT EMAIL ADDRESS FROM PRELOAD HERE]?  
☑ YES (SKIP TO CENSUS_PARENTS)  
☑ NO (GO TO CORRECTEMAIL)  
☑ DON’T KNOW (GO TO CORRECTEMAIL)  
☑ REFUSED (GO TO CORRECTEMAIL)  

10. IF NO, DON’T KNOW, OR REFUSED TO Q9: Please tell us your correct email address.  
☑ EMAIL ADDRESS: ________________ (SKIP TO CENSUS_PARENTS)  
☑ IF VOLUNTEERED - DOES NOT HAVE E-MAIL ADDRESS  
☑ DON’T KNOW  
☑ REFUSED  

11. We would also like to keep in touch with you through email, if necessary. Please give us your email address if you currently have one.  

MOST E-MAIL ADDRESSES TAKE THE FORM johndoe@email.com  

☑ EMAIL __________________  
☑ IF VOLUNTEERED - DOES NOT HAVE E-MAIL ADDRESS  
☑ DON’T KNOW  
☑ REFUSED  

FOR REFERENT RESPONDENTS ONLY  

(PROGRAMMING NOTE: Even though the question references 1940, this question is asked of all RRs, regardless of whether they were born by 1940 or not.)  

12. Understanding how people grew up helps us understand healthy aging. So as to not take more of your time, we can link the study results to the data publicly available in the 1940 census.  

Can you tell us the first names of your parents?  
☑ Father’s first name: ________________  
☑ DON’T KNOW  
☑ REFUSED  
☑ Mother’s first name: ________________  
☑ DON’T KNOW  
☑ REFUSED  

ASK ONLY OF FEMALE REFERENT RESPONDENTS  

13. Can you tell us your last name when you were born?  
☑ Name at birth: ________________  
☑ IF VOLUNTEERED: Same as current name  
☑ DON’T KNOW  
☑ REFUSED  

FOR BOTH REFERENT AND NEW COHORT RESPONDENTS  

PLEASE GIVE RESPONDENT FOLLOW-UP QUESTIONNAIRE (1 OR 2) AND APPROPRIATE ENVELOPE.  

WRITE SU_ID, FI NAME, AND INTERVIEW DATE WHERE INDICATED ON FRONT COVER. IF IT IS OKAY WITH THE RESPONDENT, WRITE THE RESPONDENT’S INITIALS ON THE LEAVE-BEHIND QUESTIONNAIRE.  

Our survey also requires that you fill out this questionnaire, seal it in this postage-paid envelope, and drop it in the mail.
XII. ACCELEROMETRY (LEAVE BEHIND BIOMEASURE)

In addition, we’re asking you to wear and return a small watch-like device called an accelerometer that will record detailed information about your arm movements for a four-day period which we will use to understand your physical activity and sleep patterns. The data you provide will permit us to study how sleep and daytime physical activity affect our health as we get older.

1. We have the device here for you to put on. I would like to walk through the instructions with you and then you can ask me questions.

- VERBALLY EXPLAIN INSTRUCTIONS USING THE ACTIVITY AND SLEEP INSTRUCTION SHEET
  - WEAR THE DEVICE CONTINUOUSLY FOR 4 FULL DAYS (96 HOURS TOTAL). THE DEVICE IS WATERPROOF AND CAN BE WORN WHILE SHOWERING, BATHING OR WASHING DISHES.
  - IF YOU GO SWIMMING, WE ASK THAT YOU REMOVE THE DEVICE AND PUT IT BACK ON IMMEDIATELY AFTER YOU GET OUT OF THE WATER.
  - SECURELY STRAP THE DEVICE TO YOUR NON-DOMINANT WRIST (THE HAND YOU DO NOT WRITE WITH).
  - TAKE OFF THE DEVICE ON DAY 5 AT THE TIME INDICATED ON THE ACTIVITY AND SLEEP INSTRUCTIONS SHEET, AND MAIL IT BACK USING THE PRE-PAID MAILING BOX.

- CONTINUE
- REFUSED (SKIP TO ACT_NOTES)

2. ENTER THE DEVICE SERIAL NUMBER:
   |   |   |   |   |   |   |   |   |   |   |

3. CLICK THIS BUTTON:
   “START ACCELEROMETER”

4. DISCONNECT THE DEVICE FROM THE LAPTOP.

   WITH THE DEVICE’S CAP OPEN, MAKE SURE THE LIGHT(S) INSIDE THE DEVICE HAVE STARTED BLINKING. (IT MAY TAKE A FEW SECONDS BEFORE THEY START BLINKING.)

- DEVICE READY: LIGHTS ARE BLINKING (SKIP TO ACT_WEAR)
- PROBLEM WITH DEVICE: LIGHTS NOT BLINKING (GO TO ACT_RETRY)

5. RECONNECT THE SAME DEVICE TO THE LAPTOP.
   - MAKE SURE THAT BOTH ENDS OF THE USB CABLE ARE FIRMLY CONNECTED.
   - CLICK “START ACCELEROMETER” TO RETRY CONFIGURATION
   - DISCONNECT DEVICE
   - WHEN YOU UNPLUG THE DEVICE, IT MAY TAKE SEVERAL SECONDS BEFORE THE LIGHTS BEGIN BLINKING.

   SELECT ONE OF THE BELOW OPTIONS

- DEVICE READY: LIGHTS ARE BLINKING (GO TO ACT_WEAR)
- EQUIPMENT PROBLEM: LIGHTS NOT BLINKING (GO TO ACT_WEAR)

6. CLOSE THE CAP OF THE DEVICE, MAKING SURE THAT IT CLICKS FIRMLY IN PLACE.

   ATTACH THE WRISTBAND TO THE DEVICE:
   - WITH THE VELCRO SIDE FACING UP, THREAD THE WRISTBAND THROUGH ONE OF THE SLOTS ON THE DEVICE.
   - THREAD APPROXIMATELY 1 INCH OF WRISTBAND THROUGH SLOT
• Fold wristband over and firmly press the velcro together.
• Remember, the velcro side should face up. The smooth side of the strap should face down and be the surface that rests against the respondent’s wrist.

Help the respondent securely strap the wristband containing the device to his/her non-dominant wrist (the hand he/she does not write with).
• Place the device on top of the wrist (like a watch), with the flat side of the device against the respondent’s arm.
• Guide wristband around respondent’s wrist.
• Thread the wristband through other slot on the device, fold over and press firmly to secure the velcro together.
• If the ends of the strap overlap please adjust the strap or exchange for a shorter length strap.

7. Write the day of the week, date and time that the respondent should remove the device on the activity and sleep instructions sheet:
   [text fill with time and date 96 hours from the current laptop system time]
   (e.g., Thursday, 10/12/2014 2:32:27 PM)

8. Enter the USPS tracking number from the label on the pre-paid mailing box:

Hand the respondent the activity and sleep instructions sheet and the mailing supplies

9. Accelerometry notes:

Closing

Before I leave, I want to give you your results from the measures you provided today.

Hit ‘next’ to complete the survey.
XIII. INTERVIEWER COMMENTS

CHARACTERISTICS AND LOCATION OF THE INTERVIEW

FOR BOTH REFERENT AND NEW COHORT RESPONDENTS

INTERVIEWER: PLEASE COMPLETE THESE QUESTIONS AS SOON AS POSSIBLE AFTER YOU LEAVE THE INTERVIEW.

1. Where did the interview take place?
   - RESPONDENT’S HOME
   - RESPONDENT’S FAMILY MEMBER’S HOME
   - RESPONDENT’S FRIEND’S HOME
   - RESPONDENT’S WORKPLACE

2. Other persons were present:
   - DURING NONE OF THE INTERVIEW (SKIP TO Q4)
   - OCCASIONALLY PASSING THROUGH THE INTERVIEW AREA
   - DURING 1/4 OF THE INTERVIEW
   - DURING HALF OF THE INTERVIEW
   - DURING 3/4 OF THE INTERVIEW
   - FOR THE ENTIRE INTERVIEW

3. What other persons were present during the interview? CHOOSE ALL THAT APPLY.
   - SPOUSE/PARTNER
   - RESPONDENT’S CHILD/CHILDREN UNDER 12 YEARS OF AGE
   - RESPONDENT’S CHILD/CHILDREN OVER 12 YEARS OF AGE
   - OTHER RELATIVE(S)
   - FRIEND
   - CAREGIVER
   - OTHER ADULT NON-RELATIVE
   - OTHER CHILD NON-RELATIVE
   - UNABLE TO DETERMINE RELATIONSHIP

4. How candid was the respondent?
   - PROBABLY NOT CANDID AT ALL
   - SOMEWHAT CANDID
   - MOSTLY CANDID
   - ENTIRELY CANDID
   - DON’T KNOW
RESPONDENT’S FUNCTIONAL HEALTH AND BEHAVIOR DURING THE INTERVIEW

Please rate the respondent’s functional health and behavior during the interview on the following scales:

<table>
<thead>
<tr>
<th></th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>DK</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Practically deaf</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Normal hearing</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Practically blind</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Normal vision</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Unable to read</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Normal adult literacy</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

DESCRIPTION OF THE RESPONDENT

Describe the respondent using the following scales:

<table>
<thead>
<tr>
<th></th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>DK</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Physically attractive</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not physically attractive</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Attractive personality</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not attractive personality</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Well-dressed</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Poorly dressed</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. Hygienic</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not hygienic</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. Straight posture</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stooped/slouching</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6. Flat stomach</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pot belly</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7. Thin</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Obese</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8. Spoke clearly</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Did not speak clearly</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

DESCRIPTION OF THE INTERVIEW LOCATION

Describe the room(s) in which the interview was conducted, using the following scales:

<table>
<thead>
<tr>
<th></th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>DK</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Clean</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dirty</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Neat and Tidy</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Messy</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Quiet</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Noisy</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. Cramped</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spacious</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. Very Cluttered</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not cluttered</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6. No smell</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Strong smell</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7. Pleasant smell*</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unpleasant smell</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Skip if “IWLOC6” = 1
RESPONDENT’S HOME AND HIS/HER NEIGHBORHOOD ENVIRONMENT

(SKIP QUESTIONS 1-10 BELOW IF INTERVIEW WAS NOT CONDUCTED IN RESPONDENT’S HOME, i.e., ANYTHING OTHER THAN “RESPONDENT’S HOME” AT “IWPLACE”)

1. Type of structure in which respondent lives:

- TRAILER
- DETACHED SINGLE FAMILY HOUSE
- TWO-FAMILY HOUSE, TWO UNITS SIDE-BY-SIDE
- TWO-FAMILY HOUSE, TWO UNITS ONE ABOVE THE OTHER
- DETACHED 3-4 FAMILY HOUSE
- ROW HOUSE (3 OR MORE UNITS IN AN ATTACHED ROW)
- APARTMENT HOUSE (5 OR MORE UNITS, 3 STORIES OR LESS)
- APARTMENT HOUSE (5 OR MORE UNITS, 4 STORIES OR MORE)
- APARTMENT IN A PARTLY-COMMERCIAL STRUCTURE
- ASSISTED LIVING FACILITY OR GROUP HOME
- NURSING HOME
- OTHER (SPECIFY) _______________
- DON’T KNOW

2. How well-kept is the building in which the respondent lives?

- VERY POORLY KEPT (NEEDS MAJOR REPAIRS)
- POORLY KEPT (NEEDS MINOR REPAIRS)
- FAIRLY WELL KEPT (NEEDS COSMETIC WORK)
- VERY WELL KEPT
- DON’T KNOW

3. How well kept are most of the buildings on the street (one block, both sides) where the respondent lives?

- VERY POORLY KEPT (NEEDS MAJOR REPAIRS)
- POORLY KEPT (NEEDS MINOR REPAIRS)
- FAIRLY WELL KEPT (NEEDS COSMETIC WORK)
- VERY WELL KEPT
- DON’T KNOW

4. Compared to other houses/apartments in the neighborhood, would you say that the respondent’s house/apartment was:

- FAR BELOW AVERAGE
- BELOW AVERAGE
- AVERAGE
- ABOVE AVERAGE
- FAR ABOVE AVERAGE
- DON’T KNOW

5. Considering the structure and accessibility of the respondent’s residence, how difficult was it for you to get your survey suitcase inside the respondent’s house/apartment?

- VERY DIFFICULT
- DIFFICULT
- EASY
- VERY EASY
- DON’T KNOW

Describe the street (one block, both sides) where the respondent lives, using the following scales:
Select your response to the following statements based on your observation of the area where the respondent lives:

<table>
<thead>
<tr>
<th></th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>DK</th>
</tr>
</thead>
<tbody>
<tr>
<td>6. Clean</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Full of litter or rubble</td>
<td></td>
</tr>
<tr>
<td>7. Quiet</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Noisy</td>
<td></td>
</tr>
<tr>
<td>8. No traffic on the street</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Heavy traffic on the street</td>
<td></td>
</tr>
<tr>
<td>9. Buildings/houses are close together</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Buildings/houses are far apart</td>
<td></td>
</tr>
<tr>
<td>10. No smell or air pollution</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Strong smell or air pollution</td>
<td></td>
</tr>
</tbody>
</table>

**INTERVIEW LOGISTICS AND OTHER INFORMATION**

1. How difficult was this case to get?

- VERY DIFFICULT
- SOMEWHAT DIFFICULT
- NOT VERY DIFFICULT
- NOT AT ALL DIFFICULT

2. Finally, please add additional information that would help us better understand the respondent as a person or the conditions under which the interview took place.

This is the end of the interview comments, please hit ‘next’ to complete the survey.