

# Appendix A

Survey 1 Screener

## Survey 1 – Screener

- S1. Are you [BENEFICIARY]?
- YES → (GO TO S2)
  - NO → (GO TO THANK1)

- S2. Are you age 18 or older?
- YES → (GO TO INTRO2)
  - NO → (GO TO THANK1)

[INTRO2]

The text below explains what you will do in the study. Please read carefully and answer the question to be sure you understand what you will do.

We need you to complete 2 surveys. These surveys will ask you questions about your functioning. You will need to answer the questions that you are comfortable answering. After you complete Survey 1, you will receive a MasterCard pre-paid debit card in the amount of \$50. Approximately 6 months after you complete Survey 1 we will invite you to complete Survey 2, which will ask you more questions about your functioning. You will need to answer those questions too. You may also decide to do Survey 2 with an interviewer over the telephone, or you can do it on your own over the internet. After you complete Survey 2, you will receive another debit card for your time, this time in the amount of \$75.

- S3. Please select 1 thing you will do in this study.
- I WILL DO A SURVEY (GO TO S4)
  - I WILL DO 2 SURVEYS / I WILL ANSWER QUESTIONS 2 TIMES (GO TO S4)
  - I WILL ANSWER QUESTIONS THAT I AM COMFORTABLE ANSWERING (GO TO S4)
  - I WILL TAKE ONE SURVEY NOW (GO TO S4)
  - I WILL TAKE THE NEXT SURVEY 6 MONTHS AFTER I COMPLETE THE FIRST SURVEY (GO TO S4)
  - I WILL ANSWER QUESTIONS ABOUT MY FUNCTIONING/HOW I DO THINGS/MY ACTIVITIES (GO TO S4).
  - I WILL RECEIVE A DEBIT CARD FOR TAKING A SURVEY/ANSWERING QUESTIONS
  - NONE OF THE ABOVE (GO TO THANK1)
- - REFUSE (GO TO THANK1)
  - DON'T KNOW (GO TO THANK1)

S4. BENEFICIARY CONSENT

Please remember that it is your choice whether to participate in this study. This study is not related to the benefits you receive and whether or not you participate will not affect your current or any future benefits. If you do participate, please realize that you do not give up any of your legal rights. If you withdraw from the study at any time, it will not affect you in any way. Nothing in the study will directly benefit you. Hopefully, it will benefit future SSI or SSDI beneficiaries.

Survey 1 takes about 50 minutes and Survey 2 will take about 75 minutes. You may obtain further information about your rights as a research participant by calling the Office of the Institutional Review Board or the Project Director at Westat. Their contact information is on the copy of the consent form we mailed to you.

Do you wish to participate in the study?

- YES
- NO → (GO TO THANK1)

S5. We look forward to your participation in the study. First, do you have a cell phone that we can text reminder messages about the study?

- YES
- NO → (GO TO S7)

S6. What is your cell phone number starting with the area code?

CELL PHONE NUMBER ----- \_\_\_\_\_

S7. After you have completed Survey 1, we will mail you a MasterCard pre-paid debit card in the amount of \$50. Where should we send your \$50 pre-paid debit card? [INSERT ADDRESS]

ADDRESS 1: \_\_\_\_\_

ADDRESS 2: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIPCODE: \_\_\_\_\_

- I DO NOT WANT THE \$50, BUT I WILL DO SURVEY → (GO TO S11)

S11. To help us stay in touch with you between Survey 1 and 2, please provide your email address.

E-MAIL ADDRESS \_\_\_\_\_  
CONFIRM E-MAIL ADDRESS \_\_\_\_\_ (GO TO SURVEY1)

[GO TO SURVEY 1]

THANK1. Thank you, but you are not eligible for the study. Please press the "Submit" button below. Have a nice day.

# Appendix B

Survey 2 Screener

## Survey 2 – Screener

S1. Are you [BENEFICIARY]?

- YES → (GO TO S2)
- NO → (GO TO THANK1)

S2. BENEFICIARY CONSENT

We invite you to participate in the second survey as part of the research study being conducted by the Social Security Administration. This survey is very similar to the first one. It will take about 75 minutes to complete. After you complete the survey, you will receive a MasterCard pre-paid debit card in the amount of \$75 for your time.

Do you wish to continue with the study?

- YES → (GO TO S3)
- NO → (GO TO THANK1)

S3. PRIVACY ACT STATEMENT

Please review the Privacy Act Statement before you continue. This statement was included with the letter you received in the mail.

Section 1110(a) of the Social Security Act allows us to collect the information you provide, which we will use for research purposes. Providing this information is voluntary. However, failing to provide all or part of the information may only affect your eligibility to receive the study participation reimbursement amount. We may disclose your information as law permits, including to contractors under contract for the performance of research and statistical activities, and others listed in routine uses in System of Records Notice 60-0199; available at [www.ssa.gov/privacy](http://www.ssa.gov/privacy). Your information may also be used in computer matching programs to establish or verify eligibility for Federal benefit programs and debts under these programs.

- CONTINUE SCREENER (GO TO S4)

S4. After you have completed Survey 2, we will mail you a MasterCard pre-paid debit card in the amount of \$75. We would like to confirm that the mailing address we have for you is still correct. Do you wish to continue with the address confirmation?

- YES → (GO TO S5)
- I PREFER TO COMPLETE THE SURVEY WITHOUT PAYMENT → (GO TO SURVEY 2)

S5. The current mailing address we have for you is:

**[DISPLAY BENEFICIARY ADDRESS]**

Is this your current mailing address?

- YES, THIS IS MY CURRENT ADDRESS → (GO TO SURVEY 2)
- NO, I NEED TO UPDATE MY ADDRESS → (GO TO S6)

S6. Please provide your updated mailing address.

**ADDRESS 1:** \_\_\_\_\_

**ADDRESS 2:** \_\_\_\_\_

**CITY:** \_\_\_\_\_ **STATE:** \_\_\_\_\_ **ZIP CODE:** \_\_\_\_\_

[GO TO SURVEY 2]

THANK1. Thank you, but those are all the questions I have for you. Have a nice day.

# Appendix C

Survey 1 and 2 Classification Questions



### Appendix C. Survey 1 and Survey 2 Classification Questions

Measure	Question	Response Options
Work-limiting conditions	What are the names of the conditions you would say are the main reasons why working is difficult for you?	(Open ended); DON'T KNOW; REFUSED
General Mental Health Question	Would you say that in general your mental health is	Excellent; Very good; Good; Fair; Poor; DON'T KNOW; REFUSED
HRQOL-4	Would you say that in general your health is	Excellent; Very good; Good; Fair; Poor; DON'T KNOW; REFUSED
HRQOL-4	Now thinking about your physical health, which includes physical illness and injury, how many days during the past 30 days was your physical health not good?	(Number of Days); None; DON'T KNOW; REFUSED
HRQOL-4	Now thinking about your mental health, which includes stress, depression, and problems with emotions, for how many days during the past 30 days was your mental health not good?	(Number of Days); None; DON'T KNOW; REFUSED
HRQOL-4	During the past 30 days, for about how many days did poor physical or mental health keep you from doing your usual activities, such as self-care, work, or recreation?	(Number of Days); None; DON'T KNOW; REFUSED
SSA-455	Within the last 2 years have you worked for someone or been self-employed?	Yes; No
SSA-455	Which best describe your health within the last 2 years:	Better; Same; Worse
SSA-455	Within the last 2 years has your doctor told you that you can return to work?	Yes; No
SSA-455	Within the last 2 years have you attended any school or work training	Yes; No

### Appendix C. Survey 1 and Survey 2 Classification Questions

	program(s) ?	
SSA-455	Would you be interested in receiving rehabilitation or other services that could help you get back to work?	Yes; No
SSA-455	Within the last 2 years have you been hospitalized or had any surgery?	Yes; No
SSA-455	Within the last 2 years have you gone to a doctor or clinic for your condition?	Yes; No
Veterans RAND (VR)-12 <sup>1</sup>		
Age	What is your age?	text; Refused
Gender	Are you male or female	Male Female Other Refused
Race	What is your race? Please select all that apply:	American Indian or Alaska Native (RaceAI) Asian (RaceAS) Black or African American (RaceBlk) Native Hawaiian or Pacific Islander (RaceNH) White (RaceW) Don't know (RaceDK) Refused (RaceRF) Other (RaceOther)
Ethnicity	Are you of Hispanic or Latino Origin?	Yes No Refused

<sup>1</sup> See page 5

**Appendix C. Survey 1 and Survey 2 Classification Questions**

Marital Status	What is your current relationship status?	Never married Married Living with a partner in a committed relationship Separated Divorced Widowed Refused
Education	What is your highest level of education?	Less than high school diploma High school diploma (or a GED) Associate's degree Vocational Training Some college - no degree College or more Refused
Zip Code	In what zip code do you currently reside?	text; Refused

Appendix C. Survey 1 and Survey 2 Classification Questions

# THE VETERANS RAND 12 ITEM HEALTH SURVEY (VR-12)

**Instructions:** This questionnaire asks for your views about your health. This information will help keep track of how you feel and how well you are able to do your usual activities.

Answer every question by marking the answer as indicated. If you are unsure how to answer a question, please give the best answer you can.

*(Circle one number on each line)*

1. In general, would you say your health is:

EXCELLENT	VERY GOOD	GOOD	FAIR	POOR
1	2	3	4	5

2. The following questions are about activities you might do during a typical day. Does **your health now limit you** in these activities? If so, how much?

YES, LIMITED A LOT	YES, LIMITED A LITTLE	NO, NOT LIMITED AT ALL
--------------------------	-----------------------------	---------------------------------

a. **Moderate activities**, such as moving a table, pushing a vacuum cleaner, bowling, or playing golf?

1	2	3
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b. Climbing **several** flights of stairs?

1	2	3
---	---	---

3. During the past 4 weeks, have you had any of the following problems with your work or other regular daily activities **as a result of your physical health?**

NO, NONE OF THE TIME	YES, A LITTLE OF THE TIME	YES, SOME OF THE TIME	YES, MOST OF THE TIME	YES, ALL OF THE TIME
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a. **Accomplished less** than you would like.

1	2	3	4	5
---	---	---	---	---

b. Were limited in the **kind** of work or other activities.

1	2	3	4	5
---	---	---	---	---

4. During the past 4 weeks, have you had any of the following problems with your work or other regular daily activities **as a result of any emotional problems** (such as feeling depressed or anxious)?

NO, NONE OF THE TIME	YES, A LITTLE OF THE TIME	YES, SOME OF THE TIME	YES, MOST OF THE TIME	YES, ALL OF THE TIME
-------------------------------	------------------------------------	--------------------------------	--------------------------------	-------------------------------

a. **Accomplished less** than you would like.

1	2	3	4	5
---	---	---	---	---

b. Didn't do work or other activities as **carefully** as usual.

1	2	3	4	5
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## Appendix C. Survey 1 and Survey 2 Classification Questions

5. During the past 4 weeks, how much did **pain** interfere with your normal work (including both work outside the home and house work)?

NOT AT ALL	A LITTLE BIT	MODERATELY	QUITE A BIT	EXTREMELY
1	2	3	4	5

These questions are about how you feel and how things have been with you during the past 4 weeks. For each question, please give the one answer that comes closest to the way you have been feeling.

6. How much of the time during the past 4 weeks:

	ALL OF THE TIME	MOST OF THE TIME	A GOOD BIT OF THE TIME	SOME OF THE TIME	A LITTLE OF THE TIME	NONE OF THE TIME
a. Have you felt <b>calm and peaceful</b> ?	1	2	3	4	5	6
b. Did you have <b>a lot of energy</b> ?	1	2	3	4	5	6
c. Have you felt <b>downhearted and blue</b> ?	1	2	3	4	5	6

7. During the past 4 weeks, how much of the time has your **physical health or emotional problems** interfered with your social activities (like visiting with friends, relatives, etc.)?

ALL OF THE TIME	MOST OF THE TIME	SOME OF THE TIME	A LITTLE OF THE TIME	NONE OF THE TIME
1	2	3	4	5

Now, we'd like to ask you some questions about how your health may have changed.

8. Compared to one year ago, how would you rate your **physical health** in general now?

MUCH BETTER	SLIGHTLY BETTER	ABOUT THE SAME	SLIGHTLY WORSE	MUCH WORSE
1	2	3	4	5

9. Compared to one year ago, how would you rate your **emotional problems** (such as feeling anxious, depressed, or irritable) now?

MUCH BETTER	SLIGHTLY BETTER	ABOUT THE SAME	SLIGHTLY WORSE	MUCH WORSE
1	2	3	4	5

PLEASE PLACE THE COMPLETED QUESTIONNAIRE IN THE ENVELOPE WE SENT YOU.  
NO STAMP IS REQUIRED: SIMPLY PLACE THE ENVELOPE IN ANY MAILBOX.

YOUR ANSWERS ARE IMPORTANT.  
THANK YOU FOR COMPLETING THIS QUESTIONNAIRE.

# THE VETERANS RAND 12 ITEM HEALTH SURVEY (VR-12)

(Version 1.0 Mailout)

Veterans Health Study  
SDR-91006.s VA Health Services Research and Development Service

Address Questions to:  
Dr. Lewis Kazis,  
Center for Health Quality, Outcomes and Economic Research  
Edith Nourse Rogers Memorial Hospital  
HSR&D Field Program (152)  
200 Springs Rd.  
Bedford, MA 01730

# Appendix D

Survey 1 and 2 WD-FAB Items















BH	147	Cognition & Communication	Please specify your level of agreement: I recognize danger when I see it.	2	Agree
BH	147	Cognition & Communication	Please specify your level of agreement: I recognize danger when I see it.	3	Disagree
BH	147	Cognition & Communication	Please specify your level of agreement: I recognize danger when I see it.	4	Strongly disagree
BH	147	Cognition & Communication	Please specify your level of agreement: I recognize danger when I see it.	5	Unable to do
BH	147	Cognition & Communication	Please specify your level of agreement: I recognize danger when I see it.	6	I don't know
BH	148	Cognition & Communication	Please specify your level of agreement: I know what to do in case of an emergency	1	Strongly agree
BH	148	Cognition & Communication	Please specify your level of agreement: I know what to do in case of an emergency	2	Agree
BH	148	Cognition & Communication	Please specify your level of agreement: I know what to do in case of an emergency	3	Disagree
BH	148	Cognition & Communication	Please specify your level of agreement: I know what to do in case of an emergency	4	Strongly disagree
BH	148	Cognition & Communication	Please specify your level of agreement: I know what to do in case of an emergency	5	Unable to do
BH	148	Cognition & Communication	Please specify your level of agreement: I know what to do in case of an emergency	6	I don't know
BH	149	Cognition & Communication	Are you able to follow public signs? For example STOP, DO NOT ENTER, EXIT.	1	Yes, without difficulty
BH	149	Cognition & Communication	Are you able to follow public signs? For example STOP, DO NOT ENTER, EXIT.	2	Yes, with a little difficulty
BH	149	Cognition & Communication	Are you able to follow public signs? For example STOP, DO NOT ENTER, EXIT.	3	Yes, with some difficulty
BH	149	Cognition & Communication	Are you able to follow public signs? For example STOP, DO NOT ENTER, EXIT.	4	Yes, with a lot of difficulty
BH	149	Cognition & Communication	Are you able to follow public signs? For example STOP, DO NOT ENTER, EXIT.	5	Unable to do
BH	149	Cognition & Communication	Are you able to follow public signs? For example STOP, DO NOT ENTER, EXIT.	6	I don't know
BH	150	Cognition & Communication	Are you able to keep yourself safe at home?	1	Yes, without difficulty
BH	150	Cognition & Communication	Are you able to keep yourself safe at home?	2	Yes, with a little difficulty
BH	150	Cognition & Communication	Are you able to keep yourself safe at home?	3	Yes, with some difficulty
BH	150	Cognition & Communication	Are you able to keep yourself safe at home?	4	Yes, with a lot of difficulty
BH	150	Cognition & Communication	Are you able to keep yourself safe at home?	5	Unable to do
BH	150	Cognition & Communication	Are you able to keep yourself safe at home?	6	I don't know
BH	151	Cognition & Communication	Please specify your level of agreement: I can follow what is being said when talking	1	Strongly agree
BH	151	Cognition & Communication	Please specify your level of agreement: I can follow what is being said when talking	2	Agree
BH	151	Cognition & Communication	Please specify your level of agreement: I can follow what is being said when talking	3	Disagree
BH	151	Cognition & Communication	Please specify your level of agreement: I can follow what is being said when talking	4	Strongly disagree
BH	151	Cognition & Communication	Please specify your level of agreement: I can follow what is being said when talking	5	Unable to do
BH	151	Cognition & Communication	Please specify your level of agreement: I can follow what is being said when talking	6	I don't know
BH	152	Cognition & Communication	Are you able to use a computer to get information you need?	1	Yes, without difficulty
BH	152	Cognition & Communication	Are you able to use a computer to get information you need?	2	Yes, with a little difficulty
BH	152	Cognition & Communication	Are you able to use a computer to get information you need?	3	Yes, with some difficulty
BH	152	Cognition & Communication	Are you able to use a computer to get information you need?	4	Yes, with a lot of difficulty
BH	152	Cognition & Communication	Are you able to use a computer to get information you need?	5	Unable to do
BH	152	Cognition & Communication	Are you able to use a computer to get information you need?	6	I don't know
BH	153	Cognition & Communication	Are you able to talk to people over the phone?	1	Yes, without difficulty
BH	153	Cognition & Communication	Are you able to talk to people over the phone?	2	Yes, with a little difficulty
BH	153	Cognition & Communication	Are you able to talk to people over the phone?	3	Yes, with some difficulty
BH	153	Cognition & Communication	Are you able to talk to people over the phone?	4	Yes, with a lot of difficulty
BH	153	Cognition & Communication	Are you able to talk to people over the phone?	5	Unable to do
BH	153	Cognition & Communication	Are you able to talk to people over the phone?	6	I don't know
BH	154	Cognition & Communication	Please specify your level of agreement: I am easily distracted in a busy or noisy env	1	Strongly agree
BH	154	Cognition & Communication	Please specify your level of agreement: I am easily distracted in a busy or noisy env	2	Agree
BH	154	Cognition & Communication	Please specify your level of agreement: I am easily distracted in a busy or noisy env	3	Disagree
BH	154	Cognition & Communication	Please specify your level of agreement: I am easily distracted in a busy or noisy env	4	Strongly disagree
BH	154	Cognition & Communication	Please specify your level of agreement: I am easily distracted in a busy or noisy env	5	I don't know
BH	155	Cognition & Communication	Are you able to remember important numbers? For example a phone number.	1	Yes, without difficulty
BH	155	Cognition & Communication	Are you able to remember important numbers? For example a phone number.	2	Yes, with a little difficulty
BH	155	Cognition & Communication	Are you able to remember important numbers? For example a phone number.	3	Yes, with some difficulty
BH	155	Cognition & Communication	Are you able to remember important numbers? For example a phone number.	4	Yes, with a lot of difficulty
BH	155	Cognition & Communication	Are you able to remember important numbers? For example a phone number.	5	Unable to do
BH	155	Cognition & Communication	Are you able to remember important numbers? For example a phone number.	6	I don't know
BH	156	Cognition & Communication	Please specify your level of agreement: It takes me a long time to run errands. For	1	Strongly agree
BH	156	Cognition & Communication	Please specify your level of agreement: It takes me a long time to run errands. For	2	Agree
BH	156	Cognition & Communication	Please specify your level of agreement: It takes me a long time to run errands. For	3	Disagree
BH	156	Cognition & Communication	Please specify your level of agreement: It takes me a long time to run errands. For	4	Strongly disagree
BH	156	Cognition & Communication	Please specify your level of agreement: It takes me a long time to run errands. For	5	Unable to do
BH	156	Cognition & Communication	Please specify your level of agreement: It takes me a long time to run errands. For	6	I don't know
BH	157	Cognition & Communication	Are you able to take your medications correctly?	1	Yes, without difficulty
BH	157	Cognition & Communication	Are you able to take your medications correctly?	2	Yes, with a little difficulty
BH	157	Cognition & Communication	Are you able to take your medications correctly?	3	Yes, with some difficulty
BH	157	Cognition & Communication	Are you able to take your medications correctly?	4	Yes, with a lot of difficulty
BH	157	Cognition & Communication	Are you able to take your medications correctly?	5	Unable to do
BH	157	Cognition & Communication	Are you able to take your medications correctly?	6	I don't know
BH	158	Cognition & Communication	Are you able to keep your medical appointments?	1	Yes, without difficulty
BH	158	Cognition & Communication	Are you able to keep your medical appointments?	2	Yes, with a little difficulty
BH	158	Cognition & Communication	Are you able to keep your medical appointments?	3	Yes, with some difficulty
BH	158	Cognition & Communication	Are you able to keep your medical appointments?	4	Yes, with a lot of difficulty
BH	158	Cognition & Communication	Are you able to keep your medical appointments?	5	Unable to do
BH	158	Cognition & Communication	Are you able to keep your medical appointments?	6	I don't know
BH	228	Mood & Emotions	Please specify your level of agreement: I worry a lot about my health.	1	Strongly agree
BH	228	Mood & Emotions	Please specify your level of agreement: I worry a lot about my health.	2	Agree
BH	228	Mood & Emotions	Please specify your level of agreement: I worry a lot about my health.	3	Disagree
BH	228	Mood & Emotions	Please specify your level of agreement: I worry a lot about my health.	4	Strongly disagree
BH	228	Mood & Emotions	Please specify your level of agreement: I worry a lot about my health.	5	I don't know
BH	229	Mood & Emotions	Please specify your level of agreement: I often think that something is really wrong	1	Strongly agree
BH	229	Mood & Emotions	Please specify your level of agreement: I often think that something is really wrong	2	Agree
BH	229	Mood & Emotions	Please specify your level of agreement: I often think that something is really wrong	3	Disagree
BH	229	Mood & Emotions	Please specify your level of agreement: I often think that something is really wrong	4	Strongly disagree
BH	229	Mood & Emotions	Please specify your level of agreement: I often think that something is really wrong	5	I don't know
BH	230	Mood & Emotions	In the past 7 days, I felt hopeless about the future.	1	Never
BH	230	Mood & Emotions	In the past 7 days, I felt hopeless about the future.	2	Rarely
BH	230	Mood & Emotions	In the past 7 days, I felt hopeless about the future.	3	Sometimes
BH	230	Mood & Emotions	In the past 7 days, I felt hopeless about the future.	4	Often

BH	230	Mood & Emotions	In the past 7 days, I felt hopeless about the future.	5	Always
BH	230	Mood & Emotions	In the past 7 days, I felt hopeless about the future.	6	I don't know
BH	231	Mood & Emotions	Please specify your level of agreement: I feel good about myself.	1	Strongly agree
BH	231	Mood & Emotions	Please specify your level of agreement: I feel good about myself.	2	Agree
BH	231	Mood & Emotions	Please specify your level of agreement: I feel good about myself.	3	Disagree
BH	231	Mood & Emotions	Please specify your level of agreement: I feel good about myself.	4	Strongly disagree
BH	231	Mood & Emotions	Please specify your level of agreement: I feel good about myself.	5	I don't know
BH	232	Mood & Emotions	Please specify your level of agreement: I have a lot of energy.	1	Strongly agree
BH	232	Mood & Emotions	Please specify your level of agreement: I have a lot of energy.	2	Agree
BH	232	Mood & Emotions	Please specify your level of agreement: I have a lot of energy.	3	Disagree
BH	232	Mood & Emotions	Please specify your level of agreement: I have a lot of energy.	4	Strongly disagree
BH	232	Mood & Emotions	Please specify your level of agreement: I have a lot of energy.	5	I don't know
BH	233	Mood & Emotions	In the past 7 days, I was bothered if I had to depend on others for help.	1	Never
BH	233	Mood & Emotions	In the past 7 days, I was bothered if I had to depend on others for help.	2	Rarely
BH	233	Mood & Emotions	In the past 7 days, I was bothered if I had to depend on others for help.	3	Sometimes
BH	233	Mood & Emotions	In the past 7 days, I was bothered if I had to depend on others for help.	4	Often
BH	233	Mood & Emotions	In the past 7 days, I was bothered if I had to depend on others for help.	5	Always
BH	233	Mood & Emotions	In the past 7 days, I was bothered if I had to depend on others for help.	6	I don't know
BH	234	Mood & Emotions	In the past 7 days, I got fidgety. Hint: Fidgety meaning unable to sit still.	1	Never
BH	234	Mood & Emotions	In the past 7 days, I got fidgety. Hint: Fidgety meaning unable to sit still.	2	Rarely
BH	234	Mood & Emotions	In the past 7 days, I got fidgety. Hint: Fidgety meaning unable to sit still.	3	Sometimes
BH	234	Mood & Emotions	In the past 7 days, I got fidgety. Hint: Fidgety meaning unable to sit still.	4	Often
BH	234	Mood & Emotions	In the past 7 days, I got fidgety. Hint: Fidgety meaning unable to sit still.	5	Always
BH	234	Mood & Emotions	In the past 7 days, I got fidgety. Hint: Fidgety meaning unable to sit still.	6	I don't know
BH	235	Mood & Emotions	Please specify your level of agreement: When I'm stressed, I can't figure out what	1	Strongly agree
BH	235	Mood & Emotions	Please specify your level of agreement: When I'm stressed, I can't figure out what	2	Agree
BH	235	Mood & Emotions	Please specify your level of agreement: When I'm stressed, I can't figure out what	3	Disagree
BH	235	Mood & Emotions	Please specify your level of agreement: When I'm stressed, I can't figure out what	4	Strongly disagree
BH	235	Mood & Emotions	Please specify your level of agreement: When I'm stressed, I can't figure out what	5	I don't know
BH	236	Mood & Emotions	In the past 7 days, I was afraid of what the future holds for me.	1	Never
BH	236	Mood & Emotions	In the past 7 days, I was afraid of what the future holds for me.	2	Rarely
BH	236	Mood & Emotions	In the past 7 days, I was afraid of what the future holds for me.	3	Sometimes
BH	236	Mood & Emotions	In the past 7 days, I was afraid of what the future holds for me.	4	Often
BH	236	Mood & Emotions	In the past 7 days, I was afraid of what the future holds for me.	5	Always
BH	236	Mood & Emotions	In the past 7 days, I was afraid of what the future holds for me.	6	I don't know
BH	237	Mood & Emotions	In the past 7 days, I felt something awful would happen.	1	Never
BH	237	Mood & Emotions	In the past 7 days, I felt something awful would happen.	2	Rarely
BH	237	Mood & Emotions	In the past 7 days, I felt something awful would happen.	3	Sometimes
BH	237	Mood & Emotions	In the past 7 days, I felt something awful would happen.	4	Often
BH	237	Mood & Emotions	In the past 7 days, I felt something awful would happen.	5	Always
BH	237	Mood & Emotions	In the past 7 days, I felt something awful would happen.	6	I don't know
BH	238	Mood & Emotions	In the past 7 days, I felt nervous when my normal routine was disturbed.	1	Never
BH	238	Mood & Emotions	In the past 7 days, I felt nervous when my normal routine was disturbed.	2	Rarely
BH	238	Mood & Emotions	In the past 7 days, I felt nervous when my normal routine was disturbed.	3	Sometimes
BH	238	Mood & Emotions	In the past 7 days, I felt nervous when my normal routine was disturbed.	4	Often
BH	238	Mood & Emotions	In the past 7 days, I felt nervous when my normal routine was disturbed.	5	Always
BH	238	Mood & Emotions	In the past 7 days, I felt nervous when my normal routine was disturbed.	6	I don't know
BH	239	Mood & Emotions	In the past 7 days, I felt indecisive. Hint: Indecisive meaning having trouble making	1	Never
BH	239	Mood & Emotions	In the past 7 days, I felt indecisive. Hint: Indecisive meaning having trouble making	2	Rarely
BH	239	Mood & Emotions	In the past 7 days, I felt indecisive. Hint: Indecisive meaning having trouble making	3	Sometimes
BH	239	Mood & Emotions	In the past 7 days, I felt indecisive. Hint: Indecisive meaning having trouble making	4	Often
BH	239	Mood & Emotions	In the past 7 days, I felt indecisive. Hint: Indecisive meaning having trouble making	5	Always
BH	239	Mood & Emotions	In the past 7 days, I felt indecisive. Hint: Indecisive meaning having trouble making	6	I don't know
BH	240	Mood & Emotions	In the past 7 days, I had sudden feelings of panic.	1	Never
BH	240	Mood & Emotions	In the past 7 days, I had sudden feelings of panic.	2	Rarely
BH	240	Mood & Emotions	In the past 7 days, I had sudden feelings of panic.	3	Sometimes
BH	240	Mood & Emotions	In the past 7 days, I had sudden feelings of panic.	4	Often
BH	240	Mood & Emotions	In the past 7 days, I had sudden feelings of panic.	5	Always
BH	240	Mood & Emotions	In the past 7 days, I had sudden feelings of panic.	6	I don't know
BH	241	Mood & Emotions	In the past 7 days, many situations made me worry.	1	Never
BH	241	Mood & Emotions	In the past 7 days, many situations made me worry.	2	Rarely
BH	241	Mood & Emotions	In the past 7 days, many situations made me worry.	3	Sometimes
BH	241	Mood & Emotions	In the past 7 days, many situations made me worry.	4	Often
BH	241	Mood & Emotions	In the past 7 days, many situations made me worry.	5	Always
BH	241	Mood & Emotions	In the past 7 days, many situations made me worry.	6	I don't know
BH	242	Mood & Emotions	In the past 7 days, I felt that I had nothing to look forward to.	1	Never
BH	242	Mood & Emotions	In the past 7 days, I felt that I had nothing to look forward to.	2	Rarely
BH	242	Mood & Emotions	In the past 7 days, I felt that I had nothing to look forward to.	3	Sometimes
BH	242	Mood & Emotions	In the past 7 days, I felt that I had nothing to look forward to.	4	Often
BH	242	Mood & Emotions	In the past 7 days, I felt that I had nothing to look forward to.	5	Always
BH	242	Mood & Emotions	In the past 7 days, I felt that I had nothing to look forward to.	6	I don't know
BH	243	Mood & Emotions	In the past 7 days, I felt that nothing was interesting.	1	Never
BH	243	Mood & Emotions	In the past 7 days, I felt that nothing was interesting.	2	Rarely
BH	243	Mood & Emotions	In the past 7 days, I felt that nothing was interesting.	3	Sometimes
BH	243	Mood & Emotions	In the past 7 days, I felt that nothing was interesting.	4	Often
BH	243	Mood & Emotions	In the past 7 days, I felt that nothing was interesting.	5	Always
BH	243	Mood & Emotions	In the past 7 days, I felt that nothing was interesting.	6	I don't know
BH	244	Mood & Emotions	In the past 7 days, I felt that nothing could cheer me up.	1	Never
BH	244	Mood & Emotions	In the past 7 days, I felt that nothing could cheer me up.	2	Rarely
BH	244	Mood & Emotions	In the past 7 days, I felt that nothing could cheer me up.	3	Sometimes
BH	244	Mood & Emotions	In the past 7 days, I felt that nothing could cheer me up.	4	Often
BH	244	Mood & Emotions	In the past 7 days, I felt that nothing could cheer me up.	5	Always
BH	244	Mood & Emotions	In the past 7 days, I felt that nothing could cheer me up.	6	I don't know
BH	245	Mood & Emotions	In the past 7 days, I was critical of myself for my mistakes.	1	Never

BH	245	Mood & Emotions	In the past 7 days, I was critical of myself for my mistakes.	2	Rarely
BH	245	Mood & Emotions	In the past 7 days, I was critical of myself for my mistakes.	3	Sometimes
BH	245	Mood & Emotions	In the past 7 days, I was critical of myself for my mistakes.	4	Often
BH	245	Mood & Emotions	In the past 7 days, I was critical of myself for my mistakes.	5	Always
BH	245	Mood & Emotions	In the past 7 days, I was critical of myself for my mistakes.	6	I don't know
BH	246	Mood & Emotions	In the past 7 days, I felt emotionally exhausted.	1	Never
BH	246	Mood & Emotions	In the past 7 days, I felt emotionally exhausted.	2	Rarely
BH	246	Mood & Emotions	In the past 7 days, I felt emotionally exhausted.	3	Sometimes
BH	246	Mood & Emotions	In the past 7 days, I felt emotionally exhausted.	4	Often
BH	246	Mood & Emotions	In the past 7 days, I felt emotionally exhausted.	5	Always
BH	246	Mood & Emotions	In the past 7 days, I felt emotionally exhausted.	6	I don't know
BH	247	Mood & Emotions	In the past 7 days, I had trouble enjoying the things I used to enjoy.	1	Never
BH	247	Mood & Emotions	In the past 7 days, I had trouble enjoying the things I used to enjoy.	2	Rarely
BH	247	Mood & Emotions	In the past 7 days, I had trouble enjoying the things I used to enjoy.	3	Sometimes
BH	247	Mood & Emotions	In the past 7 days, I had trouble enjoying the things I used to enjoy.	4	Often
BH	247	Mood & Emotions	In the past 7 days, I had trouble enjoying the things I used to enjoy.	5	Always
BH	247	Mood & Emotions	In the past 7 days, I had trouble enjoying the things I used to enjoy.	6	I don't know
BH	248	Mood & Emotions	In the past 7 days, it was hard to keep up enthusiasm to get things done.	1	Never
BH	248	Mood & Emotions	In the past 7 days, it was hard to keep up enthusiasm to get things done.	2	Rarely
BH	248	Mood & Emotions	In the past 7 days, it was hard to keep up enthusiasm to get things done.	3	Sometimes
BH	248	Mood & Emotions	In the past 7 days, it was hard to keep up enthusiasm to get things done.	4	Often
BH	248	Mood & Emotions	In the past 7 days, it was hard to keep up enthusiasm to get things done.	5	Always
BH	248	Mood & Emotions	In the past 7 days, it was hard to keep up enthusiasm to get things done.	6	I don't know
BH	249	Mood & Emotions	In the past 7 days, I was preoccupied with my worries.	1	Never
BH	249	Mood & Emotions	In the past 7 days, I was preoccupied with my worries.	2	Rarely
BH	249	Mood & Emotions	In the past 7 days, I was preoccupied with my worries.	3	Sometimes
BH	249	Mood & Emotions	In the past 7 days, I was preoccupied with my worries.	4	Often
BH	249	Mood & Emotions	In the past 7 days, I was preoccupied with my worries.	5	Always
BH	249	Mood & Emotions	In the past 7 days, I was preoccupied with my worries.	6	I don't know
BH	250	Mood & Emotions	In the past 7 days, I had trouble paying attention.	1	Never
BH	250	Mood & Emotions	In the past 7 days, I had trouble paying attention.	2	Rarely
BH	250	Mood & Emotions	In the past 7 days, I had trouble paying attention.	3	Sometimes
BH	250	Mood & Emotions	In the past 7 days, I had trouble paying attention.	4	Often
BH	250	Mood & Emotions	In the past 7 days, I had trouble paying attention.	5	Always
BH	250	Mood & Emotions	In the past 7 days, I had trouble paying attention.	6	I don't know
BH	251	Mood & Emotions	In the past 7 days, it was hard to adjust to unexpected changes.	1	Never
BH	251	Mood & Emotions	In the past 7 days, it was hard to adjust to unexpected changes.	2	Rarely
BH	251	Mood & Emotions	In the past 7 days, it was hard to adjust to unexpected changes.	3	Sometimes
BH	251	Mood & Emotions	In the past 7 days, it was hard to adjust to unexpected changes.	4	Often
BH	251	Mood & Emotions	In the past 7 days, it was hard to adjust to unexpected changes.	5	Always
BH	251	Mood & Emotions	In the past 7 days, it was hard to adjust to unexpected changes.	6	I don't know
BH	252	Mood & Emotions	In the past 7 days, just being around people irritated me.	1	Never
BH	252	Mood & Emotions	In the past 7 days, just being around people irritated me.	2	Rarely
BH	252	Mood & Emotions	In the past 7 days, just being around people irritated me.	3	Sometimes
BH	252	Mood & Emotions	In the past 7 days, just being around people irritated me.	4	Often
BH	252	Mood & Emotions	In the past 7 days, just being around people irritated me.	5	Always
BH	252	Mood & Emotions	In the past 7 days, just being around people irritated me.	6	I don't know
BH	253	Mood & Emotions	In the past 7 days, I had trouble keeping in touch with others.	1	Never
BH	253	Mood & Emotions	In the past 7 days, I had trouble keeping in touch with others.	2	Rarely
BH	253	Mood & Emotions	In the past 7 days, I had trouble keeping in touch with others.	3	Sometimes
BH	253	Mood & Emotions	In the past 7 days, I had trouble keeping in touch with others.	4	Often
BH	253	Mood & Emotions	In the past 7 days, I had trouble keeping in touch with others.	5	Always
BH	253	Mood & Emotions	In the past 7 days, I had trouble keeping in touch with others.	6	I don't know
BH	254	Mood & Emotions	In the past 7 days, I avoided public places or activities.	1	Never
BH	254	Mood & Emotions	In the past 7 days, I avoided public places or activities.	2	Rarely
BH	254	Mood & Emotions	In the past 7 days, I avoided public places or activities.	3	Sometimes
BH	254	Mood & Emotions	In the past 7 days, I avoided public places or activities.	4	Often
BH	254	Mood & Emotions	In the past 7 days, I avoided public places or activities.	5	Always
BH	254	Mood & Emotions	In the past 7 days, I avoided public places or activities.	6	I don't know
BH	255	Resilience & Sociability	Please specify your level of agreement: I can handle stressful situations.	1	Strongly agree
BH	255	Resilience & Sociability	Please specify your level of agreement: I can handle stressful situations.	2	Agree
BH	255	Resilience & Sociability	Please specify your level of agreement: I can handle stressful situations.	3	Disagree
BH	255	Resilience & Sociability	Please specify your level of agreement: I can handle stressful situations.	4	Strongly disagree
BH	255	Resilience & Sociability	Please specify your level of agreement: I can handle stressful situations.	5	I don't know
BH	256	Resilience & Sociability	Please specify your level of agreement: I usually accomplish what I set out to do.	1	Strongly agree
BH	256	Resilience & Sociability	Please specify your level of agreement: I usually accomplish what I set out to do.	2	Agree
BH	256	Resilience & Sociability	Please specify your level of agreement: I usually accomplish what I set out to do.	3	Disagree
BH	256	Resilience & Sociability	Please specify your level of agreement: I usually accomplish what I set out to do.	4	Strongly disagree
BH	256	Resilience & Sociability	Please specify your level of agreement: I usually accomplish what I set out to do.	5	I don't know
BH	257	Resilience & Sociability	Please specify your level of agreement: I ask for help when I need to.	1	Strongly agree
BH	257	Resilience & Sociability	Please specify your level of agreement: I ask for help when I need to.	2	Agree
BH	257	Resilience & Sociability	Please specify your level of agreement: I ask for help when I need to.	3	Disagree
BH	257	Resilience & Sociability	Please specify your level of agreement: I ask for help when I need to.	4	Strongly disagree
BH	257	Resilience & Sociability	Please specify your level of agreement: I ask for help when I need to.	5	I don't know
BH	258	Resilience & Sociability	Please specify your level of agreement: I don't mind when people give me advice.	1	Strongly agree
BH	258	Resilience & Sociability	Please specify your level of agreement: I don't mind when people give me advice.	2	Agree
BH	258	Resilience & Sociability	Please specify your level of agreement: I don't mind when people give me advice.	3	Disagree
BH	258	Resilience & Sociability	Please specify your level of agreement: I don't mind when people give me advice.	4	Strongly disagree
BH	258	Resilience & Sociability	Please specify your level of agreement: I don't mind when people give me advice.	5	I don't know
BH	259	Resilience & Sociability	Please specify your level of agreement: I am able to adjust to other people's ways.	1	Strongly agree
BH	259	Resilience & Sociability	Please specify your level of agreement: I am able to adjust to other people's ways.	2	Agree
BH	259	Resilience & Sociability	Please specify your level of agreement: I am able to adjust to other people's ways.	3	Disagree
BH	259	Resilience & Sociability	Please specify your level of agreement: I am able to adjust to other people's ways.	4	Strongly disagree
BH	259	Resilience & Sociability	Please specify your level of agreement: I am able to adjust to other people's ways.	5	I don't know









BH	310	Self-Regulation	Please specify your level of agreement: I get very loud when I do not get what I wa	2	Agree
BH	310	Self-Regulation	Please specify your level of agreement: I get very loud when I do not get what I wa	3	Disagree
BH	310	Self-Regulation	Please specify your level of agreement: I get very loud when I do not get what I wa	4	Strongly disagree
BH	310	Self-Regulation	Please specify your level of agreement: I get very loud when I do not get what I wa	5	I don't know
BH	311	Self-Regulation	Please specify your level of agreement: I sometimes get physical when I'm angry.	1	Strongly agree
BH	311	Self-Regulation	Please specify your level of agreement: I sometimes get physical when I'm angry.	2	Agree
BH	311	Self-Regulation	Please specify your level of agreement: I sometimes get physical when I'm angry.	3	Disagree
BH	311	Self-Regulation	Please specify your level of agreement: I sometimes get physical when I'm angry.	4	Strongly disagree
BH	311	Self-Regulation	Please specify your level of agreement: I sometimes get physical when I'm angry.	5	I don't know
BH	312	Self-Regulation	Please specify your level of agreement: Sometimes I shout or yell for no reason.	1	Strongly agree
BH	312	Self-Regulation	Please specify your level of agreement: Sometimes I shout or yell for no reason.	2	Agree
BH	312	Self-Regulation	Please specify your level of agreement: Sometimes I shout or yell for no reason.	3	Disagree
BH	312	Self-Regulation	Please specify your level of agreement: Sometimes I shout or yell for no reason.	4	Strongly disagree
BH	312	Self-Regulation	Please specify your level of agreement: Sometimes I shout or yell for no reason.	5	I don't know
BH	313	Self-Regulation	Please specify your level of agreement: People know that I get angry easily.	1	Strongly agree
BH	313	Self-Regulation	Please specify your level of agreement: People know that I get angry easily.	2	Agree
BH	313	Self-Regulation	Please specify your level of agreement: People know that I get angry easily.	3	Disagree
BH	313	Self-Regulation	Please specify your level of agreement: People know that I get angry easily.	4	Strongly disagree
BH	313	Self-Regulation	Please specify your level of agreement: People know that I get angry easily.	5	I don't know
BH	314	Self-Regulation	In the past 7 days, I was resentful when I didn't get my way.	1	Never
BH	314	Self-Regulation	In the past 7 days, I was resentful when I didn't get my way.	2	Rarely
BH	314	Self-Regulation	In the past 7 days, I was resentful when I didn't get my way.	3	Sometimes
BH	314	Self-Regulation	In the past 7 days, I was resentful when I didn't get my way.	4	Often
BH	314	Self-Regulation	In the past 7 days, I was resentful when I didn't get my way.	5	Always
BH	314	Self-Regulation	In the past 7 days, I was resentful when I didn't get my way.	6	I don't know
BH	315	Self-Regulation	Please specify your level of agreement: I can't stop myself from doing the same thi	1	Strongly agree
BH	315	Self-Regulation	Please specify your level of agreement: I can't stop myself from doing the same thi	2	Agree
BH	315	Self-Regulation	Please specify your level of agreement: I can't stop myself from doing the same thi	3	Disagree
BH	315	Self-Regulation	Please specify your level of agreement: I can't stop myself from doing the same thi	4	Strongly disagree
BH	315	Self-Regulation	Please specify your level of agreement: I can't stop myself from doing the same thi	5	I don't know
BH	316	Self-Regulation	In the past 7 days, I threatened violence toward people or property.	1	Never
BH	316	Self-Regulation	In the past 7 days, I threatened violence toward people or property.	2	Rarely
BH	316	Self-Regulation	In the past 7 days, I threatened violence toward people or property.	3	Sometimes
BH	316	Self-Regulation	In the past 7 days, I threatened violence toward people or property.	4	Often
BH	316	Self-Regulation	In the past 7 days, I threatened violence toward people or property.	5	Always
BH	316	Self-Regulation	In the past 7 days, I threatened violence toward people or property.	6	I don't know
BH	317	Self-Regulation	In the past 7 days, I tried to get even when I was angry at someone.	1	Never
BH	317	Self-Regulation	In the past 7 days, I tried to get even when I was angry at someone.	2	Rarely
BH	317	Self-Regulation	In the past 7 days, I tried to get even when I was angry at someone.	3	Sometimes
BH	317	Self-Regulation	In the past 7 days, I tried to get even when I was angry at someone.	4	Often
BH	317	Self-Regulation	In the past 7 days, I tried to get even when I was angry at someone.	5	Always
BH	317	Self-Regulation	In the past 7 days, I tried to get even when I was angry at someone.	6	I don't know
BH	318	Self-Regulation	In the past 7 days, I held grudges toward others.	1	Never
BH	318	Self-Regulation	In the past 7 days, I held grudges toward others.	2	Rarely
BH	318	Self-Regulation	In the past 7 days, I held grudges toward others.	3	Sometimes
BH	318	Self-Regulation	In the past 7 days, I held grudges toward others.	4	Often
BH	318	Self-Regulation	In the past 7 days, I held grudges toward others.	5	Always
BH	318	Self-Regulation	In the past 7 days, I held grudges toward others.	6	I don't know
BH	319	Self-Regulation	In the past 7 days, I had trouble controlling my temper.	1	Never
BH	319	Self-Regulation	In the past 7 days, I had trouble controlling my temper.	2	Rarely
BH	319	Self-Regulation	In the past 7 days, I had trouble controlling my temper.	3	Sometimes
BH	319	Self-Regulation	In the past 7 days, I had trouble controlling my temper.	4	Often
BH	319	Self-Regulation	In the past 7 days, I had trouble controlling my temper.	5	Always
BH	319	Self-Regulation	In the past 7 days, I had trouble controlling my temper.	6	I don't know
BH	320	Self-Regulation	In the past 7 days, people told me that I talked in a loud or excessive manner.	1	Never
BH	320	Self-Regulation	In the past 7 days, people told me that I talked in a loud or excessive manner.	2	Rarely
BH	320	Self-Regulation	In the past 7 days, people told me that I talked in a loud or excessive manner.	3	Sometimes
BH	320	Self-Regulation	In the past 7 days, people told me that I talked in a loud or excessive manner.	4	Often
BH	320	Self-Regulation	In the past 7 days, people told me that I talked in a loud or excessive manner.	5	Always
BH	320	Self-Regulation	In the past 7 days, people told me that I talked in a loud or excessive manner.	6	I don't know
BH	321	Self-Regulation	In the past 7 days, I said or did things that other people probably thought were ina	1	Never
BH	321	Self-Regulation	In the past 7 days, I said or did things that other people probably thought were ina	2	Rarely
BH	321	Self-Regulation	In the past 7 days, I said or did things that other people probably thought were ina	3	Sometimes
BH	321	Self-Regulation	In the past 7 days, I said or did things that other people probably thought were ina	4	Often
BH	321	Self-Regulation	In the past 7 days, I said or did things that other people probably thought were ina	5	Always
BH	321	Self-Regulation	In the past 7 days, I said or did things that other people probably thought were ina	6	I don't know
BH	322	Self-Regulation	In the past 7 days, I looked forward with enjoyment to upcoming events.	1	Never
BH	322	Self-Regulation	In the past 7 days, I looked forward with enjoyment to upcoming events.	2	Rarely
BH	322	Self-Regulation	In the past 7 days, I looked forward with enjoyment to upcoming events.	3	Sometimes
BH	322	Self-Regulation	In the past 7 days, I looked forward with enjoyment to upcoming events.	4	Often
BH	322	Self-Regulation	In the past 7 days, I looked forward with enjoyment to upcoming events.	5	Always
BH	322	Self-Regulation	In the past 7 days, I looked forward with enjoyment to upcoming events.	6	I don't know



PF	15	Basic Mobility	Are you able to go up three flights of stairs using a handrail? Hint: A flight of stairs is 12-15 steps.	6	I don't know
PF	16	Basic Mobility	Are you able to go up one flight of stairs using a handrail? Hint: A flight of stairs is 12-15 steps.	1	Yes, without difficulty
PF	16	Basic Mobility	Are you able to go up one flight of stairs using a handrail? Hint: A flight of stairs is 12-15 steps.	2	Yes, with a little difficulty
PF	16	Basic Mobility	Are you able to go up one flight of stairs using a handrail? Hint: A flight of stairs is 12-15 steps.	3	Yes, with some difficulty
PF	16	Basic Mobility	Are you able to go up one flight of stairs using a handrail? Hint: A flight of stairs is 12-15 steps.	4	Yes, with a lot of difficulty
PF	16	Basic Mobility	Are you able to go up one flight of stairs using a handrail? Hint: A flight of stairs is 12-15 steps.	5	Unable to do
PF	16	Basic Mobility	Are you able to go up one flight of stairs using a handrail? Hint: A flight of stairs is 12-15 steps.	6	I don't know
PF	17	Basic Mobility	Are you able to run a short distance, such as to catch a bus? A short distance is roughly half a block or about 15-20 yards.	1	Yes, without difficulty
PF	17	Basic Mobility	Are you able to run a short distance, such as to catch a bus? A short distance is roughly half a block or about 15-20 yards.	2	Yes, with a little difficulty
PF	17	Basic Mobility	Are you able to run a short distance, such as to catch a bus? A short distance is roughly half a block or about 15-20 yards.	3	Yes, with some difficulty
PF	17	Basic Mobility	Are you able to run a short distance, such as to catch a bus? A short distance is roughly half a block or about 15-20 yards.	4	Yes, with a lot of difficulty
PF	17	Basic Mobility	Are you able to run a short distance, such as to catch a bus? A short distance is roughly half a block or about 15-20 yards.	5	Unable to do
PF	17	Basic Mobility	Are you able to run a short distance, such as to catch a bus? A short distance is roughly half a block or about 15-20 yards.	6	I don't know
PF	18	Basic Mobility	Are you able to walk at least 15 minutes?	1	Yes, without difficulty
PF	18	Basic Mobility	Are you able to walk at least 15 minutes?	2	Yes, with a little difficulty
PF	18	Basic Mobility	Are you able to walk at least 15 minutes?	3	Yes, with some difficulty
PF	18	Basic Mobility	Are you able to walk at least 15 minutes?	4	Yes, with a lot of difficulty
PF	18	Basic Mobility	Are you able to walk at least 15 minutes?	5	Unable to do
PF	18	Basic Mobility	Are you able to walk at least 15 minutes?	6	I don't know
PF	19	Basic Mobility	Are you able to get moving after you've been lying down on a couch? For example: Get to the sitting position, then walk or use your wheelchair.	1	Yes, without difficulty
PF	19	Basic Mobility	Are you able to get moving after you've been lying down on a couch? For example: Get to the sitting position, then walk or use your wheelchair.	2	Yes, with a little difficulty
PF	19	Basic Mobility	Are you able to get moving after you've been lying down on a couch? For example: Get to the sitting position, then walk or use your wheelchair.	3	Yes, with some difficulty
PF	19	Basic Mobility	Are you able to get moving after you've been lying down on a couch? For example: Get to the sitting position, then walk or use your wheelchair.	4	Yes, with a lot of difficulty
PF	19	Basic Mobility	Are you able to get moving after you've been lying down on a couch? For example: Get to the sitting position, then walk or use your wheelchair.	5	Unable to do
PF	19	Basic Mobility	Are you able to get moving after you've been lying down on a couch? For example: Get to the sitting position, then walk or use your wheelchair.	6	I don't know
PF	20	Basic Mobility	Are you able to get down on the floor? For example: Moving from standing or your wheelchair to kneel or sit on the floor	1	Yes, without difficulty
PF	20	Basic Mobility	Are you able to get down on the floor? For example: Moving from standing or your wheelchair to kneel or sit on the floor	2	Yes, with a little difficulty
PF	20	Basic Mobility	Are you able to get down on the floor? For example: Moving from standing or your wheelchair to kneel or sit on the floor	3	Yes, with some difficulty
PF	20	Basic Mobility	Are you able to get down on the floor? For example: Moving from standing or your wheelchair to kneel or sit on the floor	4	Yes, with a lot of difficulty
PF	20	Basic Mobility	Are you able to get down on the floor? For example: Moving from standing or your wheelchair to kneel or sit on the floor	5	Unable to do
PF	20	Basic Mobility	Are you able to get down on the floor? For example: Moving from standing or your wheelchair to kneel or sit on the floor	6	I don't know
PF	21	Basic Mobility	Are you able to get in and out of a squatting position? Please base your response on the most difficult part of the activity.	1	Yes, without difficulty
PF	21	Basic Mobility	Are you able to get in and out of a squatting position? Please base your response on the most difficult part of the activity.	2	Yes, with a little difficulty
PF	21	Basic Mobility	Are you able to get in and out of a squatting position? Please base your response on the most difficult part of the activity.	3	Yes, with some difficulty
PF	21	Basic Mobility	Are you able to get in and out of a squatting position? Please base your response on the most difficult part of the activity.	4	Yes, with a lot of difficulty
PF	21	Basic Mobility	Are you able to get in and out of a squatting position? Please base your response on the most difficult part of the activity.	5	Unable to do
PF	21	Basic Mobility	Are you able to get in and out of a squatting position? Please base your response on the most difficult part of the activity.	6	I don't know
PF	22	Basic Mobility	Are you able to get into and out of a kneeling position? Please base your response on the most difficult part of the activity.	1	Yes, without difficulty
PF	22	Basic Mobility	Are you able to get into and out of a kneeling position? Please base your response on the most difficult part of the activity.	2	Yes, with a little difficulty
PF	22	Basic Mobility	Are you able to get into and out of a kneeling position? Please base your response on the most difficult part of the activity.	3	Yes, with some difficulty
PF	22	Basic Mobility	Are you able to get into and out of a kneeling position? Please base your response on the most difficult part of the activity.	4	Yes, with a lot of difficulty
PF	22	Basic Mobility	Are you able to get into and out of a kneeling position? Please base your response on the most difficult part of the activity.	5	Unable to do
PF	22	Basic Mobility	Are you able to get into and out of a kneeling position? Please base your response on the most difficult part of the activity.	6	I don't know
PF	23	Basic Mobility	Are you able to stand up from a low, soft couch? Without holding on to anything.	1	Yes, without difficulty
PF	23	Basic Mobility	Are you able to stand up from a low, soft couch? Without holding on to anything.	2	Yes, with a little difficulty
PF	23	Basic Mobility	Are you able to stand up from a low, soft couch? Without holding on to anything.	3	Yes, with some difficulty
PF	23	Basic Mobility	Are you able to stand up from a low, soft couch? Without holding on to anything.	4	Yes, with a lot of difficulty
PF	23	Basic Mobility	Are you able to stand up from a low, soft couch? Without holding on to anything.	5	Unable to do
PF	23	Basic Mobility	Are you able to stand up from a low, soft couch? Without holding on to anything.	6	I don't know
PF	24	Basic Mobility	Are you able to bend down to pick up clothing from the floor?	1	Yes, without difficulty
PF	24	Basic Mobility	Are you able to bend down to pick up clothing from the floor?	2	Yes, with a little difficulty
PF	24	Basic Mobility	Are you able to bend down to pick up clothing from the floor?	3	Yes, with some difficulty
PF	24	Basic Mobility	Are you able to bend down to pick up clothing from the floor?	4	Yes, with a lot of difficulty
PF	24	Basic Mobility	Are you able to bend down to pick up clothing from the floor?	5	Unable to do
PF	24	Basic Mobility	Are you able to bend down to pick up clothing from the floor?	6	I don't know
PF	25	Basic Mobility	Are you able to bend over to pick up coins that are scattered on the floor?	1	Yes, without difficulty
PF	25	Basic Mobility	Are you able to bend over to pick up coins that are scattered on the floor?	2	Yes, with a little difficulty
PF	25	Basic Mobility	Are you able to bend over to pick up coins that are scattered on the floor?	3	Yes, with some difficulty
PF	25	Basic Mobility	Are you able to bend over to pick up coins that are scattered on the floor?	4	Yes, with a lot of difficulty
PF	25	Basic Mobility	Are you able to bend over to pick up coins that are scattered on the floor?	5	Unable to do
PF	25	Basic Mobility	Are you able to bend over to pick up coins that are scattered on the floor?	6	I don't know
PF	26	Basic Mobility	Are you able to work at floor level? For example changing the face plate on an electric outlet.	1	Yes, without difficulty
PF	26	Basic Mobility	Are you able to work at floor level? For example changing the face plate on an electric outlet.	2	Yes, with a little difficulty

PF	26	Basic Mobility	Are you able to work at floor level? For example changing the face plate on an electric outlet.	3	Yes, with some difficulty
PF	26	Basic Mobility	Are you able to work at floor level? For example changing the face plate on an electric outlet.	4	Yes, with a lot of difficulty
PF	26	Basic Mobility	Are you able to work at floor level? For example changing the face plate on an electric outlet.	5	Unable to do
PF	26	Basic Mobility	Are you able to work at floor level? For example changing the face plate on an electric outlet.	6	I don't know
PF	27	Basic Mobility	How long are you able to squat?	1	20 minutes
PF	27	Basic Mobility	How long are you able to squat?	2	10 minutes
PF	27	Basic Mobility	How long are you able to squat?	3	2 minutes
PF	27	Basic Mobility	How long are you able to squat?	4	unable to do
PF	27	Basic Mobility	How long are you able to squat?	5	I don't know
PF	28	Basic Mobility	Are you able to kneel on the floor for a long time? For example when cleaning the bathtub or playing with kids or pet.	1	Yes, without difficulty
PF	28	Basic Mobility	Are you able to kneel on the floor for a long time? For example when cleaning the bathtub or playing with kids or pet.	2	Yes, with a little difficulty
PF	28	Basic Mobility	Are you able to kneel on the floor for a long time? For example when cleaning the bathtub or playing with kids or pet.	3	Yes, with some difficulty
PF	28	Basic Mobility	Are you able to kneel on the floor for a long time? For example when cleaning the bathtub or playing with kids or pet.	4	Yes, with a lot of difficulty
PF	28	Basic Mobility	Are you able to kneel on the floor for a long time? For example when cleaning the bathtub or playing with kids or pet.	5	Unable to do
PF	28	Basic Mobility	Are you able to kneel on the floor for a long time? For example when cleaning the bathtub or playing with kids or pet.	6	I don't know
PF	29	Basic Mobility	How long are you able to kneel?	1	20 minutes
PF	29	Basic Mobility	How long are you able to kneel?	2	10 minutes
PF	29	Basic Mobility	How long are you able to kneel?	3	2 minutes
PF	29	Basic Mobility	How long are you able to kneel?	4	unable to do
PF	29	Basic Mobility	How long are you able to kneel?	5	I don't know
PF	30	Basic Mobility	Are you able to remain on your feet for at least 20 minutes?	1	Yes, without difficulty
PF	30	Basic Mobility	Are you able to remain on your feet for at least 20 minutes?	2	Yes, with a little difficulty
PF	30	Basic Mobility	Are you able to remain on your feet for at least 20 minutes?	3	Yes, with some difficulty
PF	30	Basic Mobility	Are you able to remain on your feet for at least 20 minutes?	4	Yes, with a lot of difficulty
PF	30	Basic Mobility	Are you able to remain on your feet for at least 20 minutes?	5	Unable to do
PF	30	Basic Mobility	Are you able to remain on your feet for at least 20 minutes?	6	I don't know
PF	31	Basic Mobility	Are you able to remain on your feet for at least 20 minutes using your walking aid?	1	Yes, without difficulty
PF	31	Basic Mobility	Are you able to remain on your feet for at least 20 minutes using your walking aid?	2	Yes, with a little difficulty
PF	31	Basic Mobility	Are you able to remain on your feet for at least 20 minutes using your walking aid?	3	Yes, with some difficulty
PF	31	Basic Mobility	Are you able to remain on your feet for at least 20 minutes using your walking aid?	4	Yes, with a lot of difficulty
PF	31	Basic Mobility	Are you able to remain on your feet for at least 20 minutes using your walking aid?	5	Unable to do
PF	31	Basic Mobility	Are you able to remain on your feet for at least 20 minutes using your walking aid?	6	I don't know
PF	32	Basic Mobility	Are you able to remain on your feet for 2 hours with short breaks?	1	Yes, without difficulty
PF	32	Basic Mobility	Are you able to remain on your feet for 2 hours with short breaks?	2	Yes, with a little difficulty
PF	32	Basic Mobility	Are you able to remain on your feet for 2 hours with short breaks?	3	Yes, with some difficulty
PF	32	Basic Mobility	Are you able to remain on your feet for 2 hours with short breaks?	4	Yes, with a lot of difficulty
PF	32	Basic Mobility	Are you able to remain on your feet for 2 hours with short breaks?	5	Unable to do
PF	32	Basic Mobility	Are you able to remain on your feet for 2 hours with short breaks?	6	I don't know
PF	33	Basic Mobility	How long are you able to walk without stopping? If you cannot walk without stopping for 15 minutes please select unable.	1	More than an hour
PF	33	Basic Mobility	How long are you able to walk without stopping? If you cannot walk without stopping for 15 minutes please select unable.	2	An hour
PF	33	Basic Mobility	How long are you able to walk without stopping? If you cannot walk without stopping for 15 minutes please select unable.	3	30 minutes
PF	33	Basic Mobility	How long are you able to walk without stopping? If you cannot walk without stopping for 15 minutes please select unable.	4	15 minutes
PF	33	Basic Mobility	How long are you able to walk without stopping? If you cannot walk without stopping for 15 minutes please select unable.	5	unable to do
PF	33	Basic Mobility	How long are you able to walk without stopping? If you cannot walk without stopping for 15 minutes please select unable.	6	I don't know
PF	34	Basic Mobility	How fast are you able to walk?	1	Faster than those around me
PF	34	Basic Mobility	How fast are you able to walk?	2	At a normal pace compared to t
PF	34	Basic Mobility	How fast are you able to walk?	3	At a slower pace than those aro
PF	34	Basic Mobility	How fast are you able to walk?	4	Unable to do
PF	34	Basic Mobility	How fast are you able to walk?	5	I don't know
PF	35	Basic Mobility	Are you able to climb 2 or 3 steps up a step ladder?	1	Yes, without difficulty
PF	35	Basic Mobility	Are you able to climb 2 or 3 steps up a step ladder?	2	Yes, with a little difficulty
PF	35	Basic Mobility	Are you able to climb 2 or 3 steps up a step ladder?	3	Yes, with some difficulty
PF	35	Basic Mobility	Are you able to climb 2 or 3 steps up a step ladder?	4	Yes, with a lot of difficulty
PF	35	Basic Mobility	Are you able to climb 2 or 3 steps up a step ladder?	5	Unable to do
PF	35	Basic Mobility	Are you able to climb 2 or 3 steps up a step ladder?	6	I don't know
PF	36	Basic Mobility	Are you able to walk around one floor of your home without tripping or losing your balance?	1	Yes, without difficulty
PF	36	Basic Mobility	Are you able to walk around one floor of your home without tripping or losing your balance?	2	Yes, with a little difficulty
PF	36	Basic Mobility	Are you able to walk around one floor of your home without tripping or losing your balance?	3	Yes, with some difficulty
PF	36	Basic Mobility	Are you able to walk around one floor of your home without tripping or losing your balance?	4	Yes, with a lot of difficulty
PF	36	Basic Mobility	Are you able to walk around one floor of your home without tripping or losing your balance?	5	Unable to do
PF	36	Basic Mobility	Are you able to walk around one floor of your home without tripping or losing your balance?	6	I don't know
PF	37	Basic Mobility	Are you able to go down one flight of stairs using a handrail? A flight of stairs is 12-15 steps.	1	Yes, without difficulty
PF	37	Basic Mobility	Are you able to go down one flight of stairs using a handrail? A flight of stairs is 12-15 steps.	2	Yes, with a little difficulty
PF	37	Basic Mobility	Are you able to go down one flight of stairs using a handrail? A flight of stairs is 12-15 steps.	3	Yes, with some difficulty
PF	37	Basic Mobility	Are you able to go down one flight of stairs using a handrail? A flight of stairs is 12-15 steps.	4	Yes, with a lot of difficulty
PF	37	Basic Mobility	Are you able to go down one flight of stairs using a handrail? A flight of stairs is 12-15 steps.	5	Unable to do
PF	37	Basic Mobility	Are you able to go down one flight of stairs using a handrail? A flight of stairs is 12-15 steps.	6	I don't know
PF	38	Basic Mobility	Are you able to run fast for 2 minutes?	1	Yes, without difficulty
PF	38	Basic Mobility	Are you able to run fast for 2 minutes?	2	Yes, with a little difficulty
PF	38	Basic Mobility	Are you able to run fast for 2 minutes?	3	Yes, with some difficulty
PF	38	Basic Mobility	Are you able to run fast for 2 minutes?	4	Yes, with a lot of difficulty
PF	38	Basic Mobility	Are you able to run fast for 2 minutes?	5	Unable to do
PF	38	Basic Mobility	Are you able to run fast for 2 minutes?	6	I don't know
PF	39	Basic Mobility	Are you able to bend over from a sitting position to pick up an object you dropped on the floor?	1	Yes, without difficulty
PF	39	Basic Mobility	Are you able to bend over from a sitting position to pick up an object you dropped on the floor?	2	Yes, with a little difficulty
PF	39	Basic Mobility	Are you able to bend over from a sitting position to pick up an object you dropped on the floor?	3	Yes, with some difficulty
PF	39	Basic Mobility	Are you able to bend over from a sitting position to pick up an object you dropped on the floor?	4	Yes, with a lot of difficulty
PF	39	Basic Mobility	Are you able to bend over from a sitting position to pick up an object you dropped on the floor?	5	Unable to do
PF	39	Basic Mobility	Are you able to bend over from a sitting position to pick up an object you dropped on the floor?	6	I don't know
PF	40	Basic Mobility	Are you able to remain on your feet for 6 hours with short breaks?	1	Yes, without difficulty
PF	40	Basic Mobility	Are you able to remain on your feet for 6 hours with short breaks?	2	Yes, with a little difficulty









PF	183	Fine Motor Function	Are you able to use a lever handle to open a door? Hint: A lever handle is a handle that you push down to open a door.	6	I don't know
PF	184	Fine Motor Function	Are you able to hold a full glass of water in one hand?	1	Yes, without difficulty
PF	184	Fine Motor Function	Are you able to hold a full glass of water in one hand?	2	Yes, with a little difficulty
PF	184	Fine Motor Function	Are you able to hold a full glass of water in one hand?	3	Yes, with some difficulty
PF	184	Fine Motor Function	Are you able to hold a full glass of water in one hand?	4	Yes, with a lot of difficulty
PF	184	Fine Motor Function	Are you able to hold a full glass of water in one hand?	5	Unable to do
PF	184	Fine Motor Function	Are you able to hold a full glass of water in one hand?	6	I don't know
PF	185	Fine Motor Function	Are you able to cut a piece of paper with scissors?	1	Yes, without difficulty
PF	185	Fine Motor Function	Are you able to cut a piece of paper with scissors?	2	Yes, with a little difficulty
PF	185	Fine Motor Function	Are you able to cut a piece of paper with scissors?	3	Yes, with some difficulty
PF	185	Fine Motor Function	Are you able to cut a piece of paper with scissors?	4	Yes, with a lot of difficulty
PF	185	Fine Motor Function	Are you able to cut a piece of paper with scissors?	5	Unable to do
PF	185	Fine Motor Function	Are you able to cut a piece of paper with scissors?	6	I don't know
PF	186	Fine Motor Function	Are you able to turn faucets on and off?	1	Yes, without difficulty
PF	186	Fine Motor Function	Are you able to turn faucets on and off?	2	Yes, with a little difficulty
PF	186	Fine Motor Function	Are you able to turn faucets on and off?	3	Yes, with some difficulty
PF	186	Fine Motor Function	Are you able to turn faucets on and off?	4	Yes, with a lot of difficulty
PF	186	Fine Motor Function	Are you able to turn faucets on and off?	5	Unable to do
PF	186	Fine Motor Function	Are you able to turn faucets on and off?	6	I don't know
PF	187	Fine Motor Function	Are you able to address an envelope with a pen?	1	Yes, without difficulty
PF	187	Fine Motor Function	Are you able to address an envelope with a pen?	2	Yes, with a little difficulty
PF	187	Fine Motor Function	Are you able to address an envelope with a pen?	3	Yes, with some difficulty
PF	187	Fine Motor Function	Are you able to address an envelope with a pen?	4	Yes, with a lot of difficulty
PF	187	Fine Motor Function	Are you able to address an envelope with a pen?	5	Unable to do
PF	187	Fine Motor Function	Are you able to address an envelope with a pen?	6	I don't know
PF	188	Fine Motor Function	Are you able to remove wrappings from small objects? For example: Like removing the packaging from a pack of batteries.	1	Yes, without difficulty
PF	188	Fine Motor Function	Are you able to remove wrappings from small objects? For example: Like removing the packaging from a pack of batteries.	2	Yes, with a little difficulty
PF	188	Fine Motor Function	Are you able to remove wrappings from small objects? For example: Like removing the packaging from a pack of batteries.	3	Yes, with some difficulty
PF	188	Fine Motor Function	Are you able to remove wrappings from small objects? For example: Like removing the packaging from a pack of batteries.	4	Yes, with a lot of difficulty
PF	188	Fine Motor Function	Are you able to remove wrappings from small objects? For example: Like removing the packaging from a pack of batteries.	5	Unable to do
PF	188	Fine Motor Function	Are you able to remove wrappings from small objects? For example: Like removing the packaging from a pack of batteries.	6	I don't know
PF	189	Fine Motor Function	Are you able to pick out one key from group of keys?	1	Yes, without difficulty
PF	189	Fine Motor Function	Are you able to pick out one key from group of keys?	2	Yes, with a little difficulty
PF	189	Fine Motor Function	Are you able to pick out one key from group of keys?	3	Yes, with some difficulty
PF	189	Fine Motor Function	Are you able to pick out one key from group of keys?	4	Yes, with a lot of difficulty
PF	189	Fine Motor Function	Are you able to pick out one key from group of keys?	5	Unable to do
PF	189	Fine Motor Function	Are you able to pick out one key from group of keys?	6	I don't know
PF	190	Fine Motor Function	Are you able to pick out a paper clip from group of clips?	1	Yes, without difficulty
PF	190	Fine Motor Function	Are you able to pick out a paper clip from group of clips?	2	Yes, with a little difficulty
PF	190	Fine Motor Function	Are you able to pick out a paper clip from group of clips?	3	Yes, with some difficulty
PF	190	Fine Motor Function	Are you able to pick out a paper clip from group of clips?	4	Yes, with a lot of difficulty
PF	190	Fine Motor Function	Are you able to pick out a paper clip from group of clips?	5	Unable to do
PF	190	Fine Motor Function	Are you able to pick out a paper clip from group of clips?	6	I don't know
PF	191	Fine Motor Function	Are you able to turn a key in a door lock?	1	Yes, without difficulty
PF	191	Fine Motor Function	Are you able to turn a key in a door lock?	2	Yes, with a little difficulty
PF	191	Fine Motor Function	Are you able to turn a key in a door lock?	3	Yes, with some difficulty
PF	191	Fine Motor Function	Are you able to turn a key in a door lock?	4	Yes, with a lot of difficulty
PF	191	Fine Motor Function	Are you able to turn a key in a door lock?	5	Unable to do
PF	191	Fine Motor Function	Are you able to turn a key in a door lock?	6	I don't know
PF	192	Fine Motor Function	Are you able to remove a gas cap from a car?	1	Yes, without difficulty
PF	192	Fine Motor Function	Are you able to remove a gas cap from a car?	2	Yes, with a little difficulty
PF	192	Fine Motor Function	Are you able to remove a gas cap from a car?	3	Yes, with some difficulty
PF	192	Fine Motor Function	Are you able to remove a gas cap from a car?	4	Yes, with a lot of difficulty
PF	192	Fine Motor Function	Are you able to remove a gas cap from a car?	5	Unable to do
PF	192	Fine Motor Function	Are you able to remove a gas cap from a car?	6	I don't know
PF	193	Fine Motor Function	Are you able to change the bulb in a table lamp?	1	Yes, without difficulty
PF	193	Fine Motor Function	Are you able to change the bulb in a table lamp?	2	Yes, with a little difficulty
PF	193	Fine Motor Function	Are you able to change the bulb in a table lamp?	3	Yes, with some difficulty
PF	193	Fine Motor Function	Are you able to change the bulb in a table lamp?	4	Yes, with a lot of difficulty
PF	193	Fine Motor Function	Are you able to change the bulb in a table lamp?	5	Unable to do
PF	193	Fine Motor Function	Are you able to change the bulb in a table lamp?	6	I don't know
PF	194	Fine Motor Function	Are you able to reach behind you to get your seatbelt? Hint: A shoulder harness seatbelt.	1	Yes, without difficulty
PF	194	Fine Motor Function	Are you able to reach behind you to get your seatbelt? Hint: A shoulder harness seatbelt.	2	Yes, with a little difficulty
PF	194	Fine Motor Function	Are you able to reach behind you to get your seatbelt? Hint: A shoulder harness seatbelt.	3	Yes, with some difficulty
PF	194	Fine Motor Function	Are you able to reach behind you to get your seatbelt? Hint: A shoulder harness seatbelt.	4	Yes, with a lot of difficulty
PF	194	Fine Motor Function	Are you able to reach behind you to get your seatbelt? Hint: A shoulder harness seatbelt.	5	Unable to do
PF	194	Fine Motor Function	Are you able to reach behind you to get your seatbelt? Hint: A shoulder harness seatbelt.	6	I don't know
PF	195	Fine Motor Function	Are you able to remove something from your back pocket?	1	Yes, without difficulty
PF	195	Fine Motor Function	Are you able to remove something from your back pocket?	2	Yes, with a little difficulty
PF	195	Fine Motor Function	Are you able to remove something from your back pocket?	3	Yes, with some difficulty
PF	195	Fine Motor Function	Are you able to remove something from your back pocket?	4	Yes, with a lot of difficulty
PF	195	Fine Motor Function	Are you able to remove something from your back pocket?	5	Unable to do
PF	195	Fine Motor Function	Are you able to remove something from your back pocket?	6	I don't know
PF	196	Fine Motor Function	Are you able to hold a book while reading?	1	Yes, without difficulty
PF	196	Fine Motor Function	Are you able to hold a book while reading?	2	Yes, with a little difficulty
PF	196	Fine Motor Function	Are you able to hold a book while reading?	3	Yes, with some difficulty
PF	196	Fine Motor Function	Are you able to hold a book while reading?	4	Yes, with a lot of difficulty
PF	196	Fine Motor Function	Are you able to hold a book while reading?	5	Unable to do
PF	196	Fine Motor Function	Are you able to hold a book while reading?	6	I don't know
PF	197	Fine Motor Function	Are you able to pick up coins from a table top?	1	Yes, without difficulty
PF	197	Fine Motor Function	Are you able to pick up coins from a table top?	2	Yes, with a little difficulty
PF	197	Fine Motor Function	Are you able to pick up coins from a table top?	3	Yes, with some difficulty
PF	197	Fine Motor Function	Are you able to pick up coins from a table top?	4	Yes, with a lot of difficulty
PF	197	Fine Motor Function	Are you able to pick up coins from a table top?	5	Unable to do
PF	197	Fine Motor Function	Are you able to pick up coins from a table top?	6	I don't know
PF	198	Fine Motor Function	How long are you able to use a computer keyboard?	1	6 hours

PF	198	Fine Motor Function	How long are you able to use a computer keyboard?	2	4 hours
PF	198	Fine Motor Function	How long are you able to use a computer keyboard?	3	2 hours
PF	198	Fine Motor Function	How long are you able to use a computer keyboard?	4	Less than 2 hours
PF	198	Fine Motor Function	How long are you able to use a computer keyboard?	5	Unable to do
PF	198	Fine Motor Function	How long are you able to use a computer keyboard?	6	I don't know
PF	199	Fine Motor Function	Are you able to sew on a button?	1	Yes, without difficulty
PF	199	Fine Motor Function	Are you able to sew on a button?	2	Yes, with a little difficulty
PF	199	Fine Motor Function	Are you able to sew on a button?	3	Yes, with some difficulty
PF	199	Fine Motor Function	Are you able to sew on a button?	4	Yes, with a lot of difficulty
PF	199	Fine Motor Function	Are you able to sew on a button?	5	Unable to do
PF	199	Fine Motor Function	Are you able to sew on a button?	6	I don't know
PF	200	Fine Motor Function	Are you able to turn a door knob?	1	Yes, without difficulty
PF	200	Fine Motor Function	Are you able to turn a door knob?	2	Yes, with a little difficulty
PF	200	Fine Motor Function	Are you able to turn a door knob?	3	Yes, with some difficulty
PF	200	Fine Motor Function	Are you able to turn a door knob?	4	Yes, with a lot of difficulty
PF	200	Fine Motor Function	Are you able to turn a door knob?	5	Unable to do
PF	200	Fine Motor Function	Are you able to turn a door knob?	6	I don't know
PF	201	Fine Motor Function	Are you able to tighten screws by hand with a screwdriver?	1	Yes, without difficulty
PF	201	Fine Motor Function	Are you able to tighten screws by hand with a screwdriver?	2	Yes, with a little difficulty
PF	201	Fine Motor Function	Are you able to tighten screws by hand with a screwdriver?	3	Yes, with some difficulty
PF	201	Fine Motor Function	Are you able to tighten screws by hand with a screwdriver?	4	Yes, with a lot of difficulty
PF	201	Fine Motor Function	Are you able to tighten screws by hand with a screwdriver?	5	Unable to do
PF	201	Fine Motor Function	Are you able to tighten screws by hand with a screwdriver?	6	I don't know
PF	202	Fine Motor Function	How long are you able to use a computer mouse?	1	6 hours
PF	202	Fine Motor Function	How long are you able to use a computer mouse?	2	4 hours
PF	202	Fine Motor Function	How long are you able to use a computer mouse?	3	2 hours
PF	202	Fine Motor Function	How long are you able to use a computer mouse?	4	Less than 2 hours
PF	202	Fine Motor Function	How long are you able to use a computer mouse?	5	Unable to do
PF	202	Fine Motor Function	How long are you able to use a computer mouse?	6	I don't know
PF	203	Fine Motor Function	Are you able to write for 20 minutes?	1	Yes, without difficulty
PF	203	Fine Motor Function	Are you able to write for 20 minutes?	2	Yes, with a little difficulty
PF	203	Fine Motor Function	Are you able to write for 20 minutes?	3	Yes, with some difficulty
PF	203	Fine Motor Function	Are you able to write for 20 minutes?	4	Yes, with a lot of difficulty
PF	203	Fine Motor Function	Are you able to write for 20 minutes?	5	Unable to do
PF	203	Fine Motor Function	Are you able to write for 20 minutes?	6	I don't know
PF	204	Fine Motor Function	Are you able to put batteries in a flashlight, or remote control for your television?	1	Yes, without difficulty
PF	204	Fine Motor Function	Are you able to put batteries in a flashlight, or remote control for your television?	2	Yes, with a little difficulty
PF	204	Fine Motor Function	Are you able to put batteries in a flashlight, or remote control for your television?	3	Yes, with some difficulty
PF	204	Fine Motor Function	Are you able to put batteries in a flashlight, or remote control for your television?	4	Yes, with a lot of difficulty
PF	204	Fine Motor Function	Are you able to put batteries in a flashlight, or remote control for your television?	5	Unable to do
PF	204	Fine Motor Function	Are you able to put batteries in a flashlight, or remote control for your television?	6	I don't know
PF	205	Fine Motor Function	Are you able to staple 2 sheets of paper together?	1	Yes, without difficulty
PF	205	Fine Motor Function	Are you able to staple 2 sheets of paper together?	2	Yes, with a little difficulty
PF	205	Fine Motor Function	Are you able to staple 2 sheets of paper together?	3	Yes, with some difficulty
PF	205	Fine Motor Function	Are you able to staple 2 sheets of paper together?	4	Yes, with a lot of difficulty
PF	205	Fine Motor Function	Are you able to staple 2 sheets of paper together?	5	Unable to do
PF	205	Fine Motor Function	Are you able to staple 2 sheets of paper together?	6	I don't know
PF	206	Fine Motor Function	Are you able to pull a pillow case off a pillow?	1	Yes, without difficulty
PF	206	Fine Motor Function	Are you able to pull a pillow case off a pillow?	2	Yes, with a little difficulty
PF	206	Fine Motor Function	Are you able to pull a pillow case off a pillow?	3	Yes, with some difficulty
PF	206	Fine Motor Function	Are you able to pull a pillow case off a pillow?	4	Yes, with a lot of difficulty
PF	206	Fine Motor Function	Are you able to pull a pillow case off a pillow?	5	Unable to do
PF	206	Fine Motor Function	Are you able to pull a pillow case off a pillow?	6	I don't know
PF	207	Fine Motor Function	Are you able to tie a knot?	1	Yes, without difficulty
PF	207	Fine Motor Function	Are you able to tie a knot?	2	Yes, with a little difficulty
PF	207	Fine Motor Function	Are you able to tie a knot?	3	Yes, with some difficulty
PF	207	Fine Motor Function	Are you able to tie a knot?	4	Yes, with a lot of difficulty
PF	207	Fine Motor Function	Are you able to tie a knot?	5	Unable to do
PF	207	Fine Motor Function	Are you able to tie a knot?	6	I don't know
PF	208	Fine Motor Function	Are you able to buckle a strap (e.g. on a bicycle helmet, child's car seat, or backpack)?	1	Yes, without difficulty
PF	208	Fine Motor Function	Are you able to buckle a strap (e.g. on a bicycle helmet, child's car seat, or backpack)?	2	Yes, with a little difficulty
PF	208	Fine Motor Function	Are you able to buckle a strap (e.g. on a bicycle helmet, child's car seat, or backpack)?	3	Yes, with some difficulty
PF	208	Fine Motor Function	Are you able to buckle a strap (e.g. on a bicycle helmet, child's car seat, or backpack)?	4	Yes, with a lot of difficulty
PF	208	Fine Motor Function	Are you able to buckle a strap (e.g. on a bicycle helmet, child's car seat, or backpack)?	5	Unable to do
PF	208	Fine Motor Function	Are you able to buckle a strap (e.g. on a bicycle helmet, child's car seat, or backpack)?	6	I don't know
PF	209	Fine Motor Function	Are you able to hold an umbrella?	1	Yes, without difficulty
PF	209	Fine Motor Function	Are you able to hold an umbrella?	2	Yes, with a little difficulty
PF	209	Fine Motor Function	Are you able to hold an umbrella?	3	Yes, with some difficulty
PF	209	Fine Motor Function	Are you able to hold an umbrella?	4	Yes, with a lot of difficulty
PF	209	Fine Motor Function	Are you able to hold an umbrella?	5	Unable to do
PF	209	Fine Motor Function	Are you able to hold an umbrella?	6	I don't know
PF	210	Fine Motor Function	Are you able to use tweezers?	1	Yes, without difficulty
PF	210	Fine Motor Function	Are you able to use tweezers?	2	Yes, with a little difficulty
PF	210	Fine Motor Function	Are you able to use tweezers?	3	Yes, with some difficulty
PF	210	Fine Motor Function	Are you able to use tweezers?	4	Yes, with a lot of difficulty
PF	210	Fine Motor Function	Are you able to use tweezers?	5	Unable to do
PF	210	Fine Motor Function	Are you able to use tweezers?	6	I don't know
PF	211	Fine Motor Function	Are you able to remove a dollar bill from your wallet?	1	Yes, without difficulty
PF	211	Fine Motor Function	Are you able to remove a dollar bill from your wallet?	2	Yes, with a little difficulty
PF	211	Fine Motor Function	Are you able to remove a dollar bill from your wallet?	3	Yes, with some difficulty
PF	211	Fine Motor Function	Are you able to remove a dollar bill from your wallet?	4	Yes, with a lot of difficulty
PF	211	Fine Motor Function	Are you able to remove a dollar bill from your wallet?	5	Unable to do
PF	211	Fine Motor Function	Are you able to remove a dollar bill from your wallet?	6	I don't know
PF	212	Fine Motor Function	Are you able to put coins into a slot? For example a vending machine.	1	Yes, without difficulty
PF	212	Fine Motor Function	Are you able to put coins into a slot? For example a vending machine.	2	Yes, with a little difficulty
PF	212	Fine Motor Function	Are you able to put coins into a slot? For example a vending machine.	3	Yes, with some difficulty
PF	212	Fine Motor Function	Are you able to put coins into a slot? For example a vending machine.	4	Yes, with a lot of difficulty
PF	212	Fine Motor Function	Are you able to put coins into a slot? For example a vending machine.	5	Unable to do
PF	212	Fine Motor Function	Are you able to put coins into a slot? For example a vending machine.	6	I don't know
PF	213	Fine Motor Function	Are you able to push the correct buttons on a remote control?	1	Yes, without difficulty
PF	213	Fine Motor Function	Are you able to push the correct buttons on a remote control?	2	Yes, with a little difficulty
PF	213	Fine Motor Function	Are you able to push the correct buttons on a remote control?	3	Yes, with some difficulty
PF	213	Fine Motor Function	Are you able to push the correct buttons on a remote control?	4	Yes, with a lot of difficulty













# Appendix E

Survey 1 Follow-up Questions

## **APPENDIX E. SURVEY 1 FOLLOW-UP QUESTIONS**

### **CDR Pilot Study Measures**

#### **Follow up questions to the WD-FAB administration**

Thank you for completing the Work Disability Functional Assessment Battery (WD-FAB) portion of the survey. We now have a few follow-up questions. Please think about the WD-FAB questions you just answered as you respond to these follow-up questions.

1. Did you find the questions to be burdensome?
  - a. If yes, in what ways were they burdensome?
2. Was there anything that was confusing about the questions?
3. How comfortable did you feel answering these questions?
  - a. Can you elaborate on the ways you felt uncomfortable?
4. How difficult was it to answer the questions?
5. Do you have any feedback or impressions about the questions?

Thank you for completing the survey. You will receive your Visa pre-paid debit card by mail.

# Appendix F

## Survey 2 Follow-up Questions

## APPENDIX F. SURVEY 2 FOLLOW-UP QUESTIONS

<b>Item and Response Option</b>
In the past 7 days I have had a fatal heart attack while watching TV.
Never Rarely Sometimes Often Always I don't know
In the past 7 days I have walked a mile in three minutes.
Never Rarely Sometimes Often Always I don't know
In the past 7 days I have not woken up.
Never Rarely Sometimes Often Always I don't know
In the past 7 days I have not communicated with a single person.
Never Rarely Sometimes Often Always I don't know

## APPENDIX F. SURVEY 2 FOLLOW-UP QUESTIONS

Are you able to urinate?

- Yes, without difficulty
- Yes, with a little difficulty
- Yes, with some difficulty
- Yes, with a lot of difficulty
- Unable to do
- I don't know

Are you able to drink water?

- Yes, without difficulty
- Yes, with a little difficulty
- Yes, with some difficulty
- Yes, with a lot of difficulty
- Unable to do
- I don't know

Are you able to consume food?

- Yes, without difficulty
- Yes, with a little difficulty
- Yes, with some difficulty
- Yes, with a lot of difficulty
- Unable to do
- I don't know

Please specify your level of agreement: I never drink liquid.

- Strongly agree
- Agree
- Disagree
- Strongly disagree
- I don't know

Please specify your level of agreement: I blink many times a day.

- Strongly agree
- Agree

## APPENDIX F. SURVEY 2 FOLLOW-UP QUESTIONS

Disagree

Strongly disagree

I don't know

Please specify your level of agreement: I drink 8 or more glasses of milk per day.

Strongly agree

Agree

Disagree

Strongly disagree

I don't know

In the past 7 days I have not swallowed anything.

Never

Rarely

Sometimes

Often

Always

I don't know

Please specify your level of agreement: I faint nearly every day.

Strongly agree

Agree

Disagree

Strongly disagree

I don't know

Please specify your level of agreement: I have very itchy teeth.

Strongly agree

Agree

Disagree

Strongly disagree

I don't know

Are you able to stick out your tongue?

## APPENDIX F. SURVEY 2 FOLLOW-UP QUESTIONS

Yes, without difficulty

Yes, with a little difficulty

Yes, with some difficulty

Yes, with a lot of difficulty

Unable to do

I don't know

Are you able to sleep at least 60 minutes at a time?

Yes, without difficulty

Yes, with a little difficulty

Yes, with some difficulty

Yes, with a lot of difficulty

Unable to do

I don't know

Are you able to feel anything below your elbows?

Yes, without difficulty

Yes, with a little difficulty

Yes, with some difficulty

Yes, with a lot of difficulty

Unable to do

I don't know

In the past 7 days I have not been able to stand up without fainting.

Never

Rarely

Sometimes

Often

Always

I don't know

In the past 7 days I have not been able to eat or drink anything for days.

Never

Rarely



## APPENDIX F. SURVEY 2 FOLLOW-UP QUESTIONS

Sometimes

Often

Always

I don't know

Are you able to sit for at least 5 minutes?

Yes, without difficulty

Yes, with a little difficulty

Yes, with some difficulty

Yes, with a lot of difficulty

Unable to do

I don't know

## APPENDIX F. SURVEY 2 FOLLOW-UP QUESTIONS

Are you able to lie down for at least 5 minutes?

Yes, without difficulty

Yes, with a little difficulty

Yes, with some difficulty

Yes, with a lot of difficulty

Unable to do

I don't know

Are you able to drive a car?

Yes, without difficulty

Yes, with a little difficulty

Yes, with some difficulty

Yes, with a lot of difficulty

Unable to do

I don't know

Are you able to walk 10 feet?

Yes, without difficulty

Yes, with a little difficulty

Yes, with some difficulty

Yes, with a lot of difficulty

Unable to do

I don't know

Are you able to roll over in bed?

Yes, without difficulty

Yes, with a little difficulty

Yes, with some difficulty

Yes, with a lot of difficulty

Unable to do

I don't know

Are you able to put on a hat?

## APPENDIX F. SURVEY 2 FOLLOW-UP QUESTIONS

Yes, without difficulty  
Yes, with a little difficulty  
Yes, with some difficulty  
Yes, with a lot of difficulty  
Unable to do  
I don't know

In the past 7 days I have had trouble remembering my name.

Never  
Rarely  
Sometimes  
Often  
Always  
I don't know

In the past 7 days I have frequently woken up wondering where I was.

Never  
Rarely  
Sometimes  
Often  
Always  
I don't know

Please specify your level of agreement: I remember nothing from my childhood.

Strongly agree  
Agree  
Disagree  
Strongly disagree  
I don't know

Please specify your level of agreement: I have vivid memories of my first birthday.

Strongly agree  
Agree  
Disagree

## APPENDIX F. SURVEY 2 FOLLOW-UP QUESTIONS

Strongly disagree I don't know
Are you able to count to 100?
Yes, without difficulty Yes, with a little difficulty Yes, with some difficulty Yes, with a lot of difficulty Unable to do I don't know
Are you able to look up a phone number and dial it?
Yes, without difficulty Yes, with a little difficulty Yes, with some difficulty Yes, with a lot of difficulty Unable to do I don't know
Are you able to remember events from your teen years?
Yes, without difficulty Yes, with a little difficulty Yes, with some difficulty Yes, with a lot of difficulty Unable to do I don't know
Please specify your level of agreement: At times I have such trouble concentrating that I forget my address.
Strongly agree Agree Disagree Strongly disagree I don't know
Please specify your level of agreement: I can say the alphabet in the proper order.

## APPENDIX F. SURVEY 2 FOLLOW-UP QUESTIONS

Strongly agree

Agree

Disagree

Strongly disagree

I don't know

Please specify your level of agreement: At times I have forgotten how to read.

Strongly agree

Agree

Disagree

Strongly disagree

I don't know

Are you able to count coins to pay for a purchase less than one dollar?

Yes, without difficulty

Yes, with a little difficulty

Yes, with some difficulty

Yes, with a lot of difficulty

Unable to do

I don't know

Are you able to remember your telephone number?

Yes, without difficulty

Yes, with a little difficulty

Yes, with some difficulty

Yes, with a lot of difficulty

Unable to do

I don't know

Please specify your level of agreement: Lately I have had trouble getting lost in my own neighborhood.

Strongly agree

Agree

Disagree

Strongly disagree

## APPENDIX F. SURVEY 2 FOLLOW-UP QUESTIONS

I don't know

In the past 7 days I have had trouble finding my way around my home.

Never

Rarely

Sometimes

Often

Always

I don't know

In the past 7 days I have gotten into fistfights nearly every day.

Never

Rarely

Sometimes

Often

Always

I don't know

In the past 7 days I have cried in my sleep every night.

Never

Rarely

Sometimes

Often

Always

I don't know

Please specify your level of agreement: I have never had an argument with anyone.

Strongly agree

Agree

Disagree

Strongly disagree

I don't know

## APPENDIX F. SURVEY 2 FOLLOW-UP QUESTIONS

Please specify your level of agreement: I smell strange things that others do not smell.

Strongly agree

Agree

Disagree

Strongly disagree

I don't know

Please specify your level of agreement: I hear voices every time I get dressed.

Strongly agree

Agree

Disagree

Strongly disagree

I don't know

Are you able to listen to music without hallucinating?

Yes, without difficulty

Yes, with a little difficulty

Yes, with some difficulty

Yes, with a lot of difficulty

Unable to do

I don't know

Are you able to watch TV without crying?

Yes, without difficulty

Yes, with a little difficulty

Yes, with some difficulty

Yes, with a lot of difficulty

Unable to do

I don't know

Are you able to dream in color?

Yes, without difficulty

Yes, with a little difficulty

Yes, with some difficulty

## APPENDIX F. SURVEY 2 FOLLOW-UP QUESTIONS

Yes, with a lot of difficulty

Unable to do

I don't know

Are you able to eat without having a panic attack?

Yes, without difficulty

Yes, with a little difficulty

Yes, with some difficulty

Yes, with a lot of difficulty

Unable to do

I don't know

In the past 7 days I have felt so keyed up that I got into a physical fight with a stranger.

Never

Rarely

Sometimes

Often

Always

I don't know

Please specify your level of agreement: I have flashbacks multiple times a day.

Strongly agree

Agree

Disagree

Strongly disagree

I don't know

In the past 7 days I have had memories so distressing that I fainted or passed out.

Never

Rarely

Sometimes

Often

Always

I don't know



## APPENDIX F. SURVEY 2 FOLLOW-UP QUESTIONS

Please specify your level of agreement: At times I am so anxious that I can't move.
Strongly agree Agree Disagree Strongly disagree I don't know
In the past 7 days I have become so overwhelmed by memories that I couldn't do simple things like walk or dress myself.
Never Rarely Sometimes Often Always I don't know

Thank you for completing the survey. You will receive your Visa pre-paid debit card by mail.

# Appendix G

Survey 1 Advance Letter



SOCIAL SECURITY ADMINISTRATION  
Work Disability Functional Assessment Battery Research Study

\*012345\* 012345 «MailingID» «SEQ»  
«FirstName» «LastName» «Suffix»  
«Addr1»  
«Addr2»  
«City», «State» «Zip»

«Date»

Dear «FirstName» «LastName»:

I am writing to invite you to take part in the Social Security Administration's (SSA) Work Disability Functional Assessment Battery (WD-FAB) Research Study. Westat, a survey research company located in Rockville, MD, will contact current Social Security Disability Insurance (SSDI) and Supplemental Security Income (SSI) beneficiaries and invite them to take part in the study.

Your name was selected from a large group of SSA beneficiaries. The purpose of the study is to test a new set of questions that could improve SSA's continuing disability review process.

In the next few days, an interviewer from Westat will call you. If you would like to make an appointment to be called on a specific day/time, please call Westat at 1-855-440-4978. If you are interested, the interviewer will ask you a few questions to make sure you are able to take part in the study. If you are able to take part in the study, then we will ask you to complete two surveys.

1. Survey 1 can be completed on the same day that you speak to the Westat interviewer or at a time that is more convenient. You may decide to do Survey 1 by phone or over the internet. After you complete Survey 1, you will receive a MasterCard pre-paid debit card for \$50.
2. Survey 2 will be completed 6 months after you complete Survey 1. You may also decide to do Survey 2 by phone or over the internet. After you complete Survey 2, you will receive another MasterCard pre-paid debit card, this time for \$75.

Your decision to take part in the study is voluntary. It will not affect your benefits.

More information about the study is available at:  
<https://www.ssa.gov/disabilityresearch/research.htm>

You may also contact Westat with questions about the study by calling 1-855-940-0151.

Thank you again for your assistance.

Sincerely,

*Susan Wilschke*

Acting Associate Commissioner, Office of Research, Demonstration and Employment Support,  
Social Security Administration

Please see the backside of this letter for the Privacy Act statement.

**Privacy Act Statement  
Collection and Use of Personal Information**

Section 1110(a) of the Social Security Act, as amended, allows us to collect this information. Furnishing us this information is voluntary. However, failing to provide all or part of the information may only affect your eligibility to receive the study participation reimbursement amount.

We will use the information you provide for research purposes. We may also share the information for the following purposes, called routine uses:

- To a contractor under contract to the SSA, or under contract to another agency with funds provided by SSA, for the performance of research and statistical activities directly related to the Extramural Surveys (Statistics) system of records; and
- To the General Services Administration and the National Archives Records Administration (NARA) under 44 U.S.C. 2904 and 2906, as amended by the NARA Act of 1984, information which is not restricted from disclosure by Federal law for the use of those agencies in conducting records management studies.

In addition, we may share this information in accordance with the Privacy Act and other Federal laws. For example, where authorized, we may use and disclose this information in computer matching programs, in which our records are compared with other records to establish or verify a person's eligibility for Federal benefit programs and for repayment of incorrect or delinquent debts under these programs.

A list of additional routine uses is available in our Privacy Act System of Records Notice (SORN) 60-0199, entitled Extramural Surveys (Statistics), as published in the Federal Register (FR) on January 11, 2006, at 71 FR 1835. Additional information, and a full listing of all of our SORNs, is available on our website at [www.ssa.gov/privacy](http://www.ssa.gov/privacy).

# Appendix H

Survey 2 Advance Letter



SOCIAL SECURITY ADMINISTRATION  
Work Disability Functional Assessment Battery Research Study

«FirstName» «LastName» «Suffix»  
«Addr1»  
«Addr2»  
«City», «State» «Zip»

«Date»

Dear «FirstName» «LastName»:

Thank you for being such an important part of the Social Security Administration (SSA) Work Disability Functional Assessment Battery (WD-FAB) Research Study! Westat, a survey research company located in Rockville, MD, contacted you about six months ago to invite you to complete Survey 1 for the study.

We are now inviting you to complete Survey 2. You may complete Survey 2 **online** or **over the phone** with a telephone interviewer. After you complete the survey, you will receive a MasterCard pre-paid debit card in the amount of **\$75** for your time.

To complete the Survey 2 online, visit the website link below and use the PIN to log in and get started.

**Website:** <https://ssasurvey.org>

**PIN:** XXXXXX

To complete Survey 2 over the phone, please call Westat at 1-855-440-4978 to speak with an interviewer. If no one is available to answer your call, please leave a message with your name and the best telephone number to reach you.

Your decision to take part in the study is voluntary. It will not affect your benefits.

Visit the SSA website for more detailed information about the study:

<https://www.ssa.gov/disabilityresearch/research.htm>

You may also contact Westat with questions about the study by calling 1-855-940-0151.

Thank you again for your assistance.

Sincerely,

*Susan Wilschke*

Acting Associate Commissioner, Office of Research, Demonstration and Employment Support,  
Social Security Administration

Please see the backside of this letter for the Privacy Act statement.

**Privacy Act Statement  
Collection and Use of Personal Information**

Section 1110(a) of the Social Security Act, as amended, allows us to collect this information. Furnishing us this information is voluntary. However, failing to provide all or part of the information may only affect your eligibility to receive the study participation reimbursement amount.

We will use the information you provide for research purposes. We may also share the information for the following purposes, called routine uses:

- To a contractor under contract to the SSA, or under contract to another agency with funds provided by SSA, for the performance of research and statistical activities directly related to the Extramural Surveys (Statistics) system of records; and
- To the General Services Administration and the National Archives Records Administration (NARA) under 44 U.S.C. 2904 and 2906, as amended by the NARA Act of 1984, information which is not restricted from disclosure by Federal law for the use of those agencies in conducting records management studies.

In addition, we may share this information in accordance with the Privacy Act and other Federal laws. For example, where authorized, we may use and disclose this information in computer matching programs, in which our records are compared with other records to establish or verify a person's eligibility for Federal benefit programs and for repayment of incorrect or delinquent debts under these programs.

A list of additional routine uses is available in our Privacy Act System of Records Notice (SORN) 60-0199, entitled Extramural Surveys (Statistics), as published in the Federal Register (FR) on January 11, 2006, at 71 FR 1835. Additional information, and a full listing of all of our SORNs, is available on our website at [www.ssa.gov/privacy](http://www.ssa.gov/privacy).

# Appendix I

Consent Form



## RESEARCH CONSENT FORM

**The Social Security Administration's Work Disability Functional Assessment Battery (WD-FAB) Study**  
**Principal Investigator: Mustafa Karakus**  
**Project Director: Erika Bonilla**

---

### Background

The Social Security Administration (SSA) is conducting a research study through our contractor Westat. This study will test a new set of questions about how applicants are functioning and see if it can improve SSA's continuing disability review process. If you are able to participate in the study, then we will ask you to complete two surveys six months apart.

### What Happens In This Research Study

As a study participant, you will be asked to answer questions about your functioning (activities) in two separate surveys six months apart.

- The first survey (Survey # 1) will take about 50 minutes to complete. You may choose to do the survey on your own using the internet, or you can do it over the telephone with an interviewer. When you have completed all the survey questions, we will send you a pre-paid debit card in the amount of \$50 for your time. Six months after you complete Survey # 1, we will ask you complete a second survey (Survey # 2).
- Survey # 2 will take about 75 minutes to complete. Again, you may choose to do the survey on your own using the internet or you can do it over the telephone with an interviewer. When you have completed all the Survey # 2 questions, we will send you a second pre-paid debit card in the amount \$75 for your time.

### Risks and Benefits

There are no costs to you to be in this research study. You will receive the reimbursement amounts mentioned above for your participation in the study. You will receive no direct benefit from your participation in this study. However, your participation may help the researchers better understand how to improve the SSA's continuing disability review process.

### Your Rights

By consenting to take part in this study, you do not waive any of your legal rights. Giving consent means that you have heard or read the information about this study and that you agree to take part in the study. This copy of the consent form is yours to keep. You may obtain further information about your rights as a research subject by calling the Westat Institutional Review Board at 1-888-920-7631. The investigator or a member of the research team will try to answer all of your questions. If you have questions or concerns at any time, contact Erika Bonilla at (301) 610-4879.

Taking part in this study is voluntary. You have the right to refuse to take part in this study. If you decide to be in the study and then change your mind, you can withdraw from the research. **Your participation is completely up to you. Your decision will not affect your current or future benefits.** If you choose to take part, you have the right to stop at any time.

# Appendix J

Survey 1 Additional Sample Advance Letter



SOCIAL SECURITY ADMINISTRATION  
Work Disability Functional Assessment Battery Research Study

\*0123456-7\*      «0123456-7» «SEQ»  
«FirstName» «LastName»  
«Address1»  
«Address2»  
«City», «State» «Zip»

«Date»

Dear <<FirstName>> <<LastName>>,

I am writing to invite you to take part in the Social Security Administration’s (SSA) Work Disability Functional Assessment Battery (WD-FAB) Research Study. Westat, a survey research company located in Rockville, MD, is inviting Social Security Disability Insurance (SSDI) and Supplemental Security Income (SSI) beneficiaries to take part in the study.

Your name was selected from a large group of SSA beneficiaries. The purpose of the study is to test a new set of questions that could improve SSA’s continuing disability review process. If you are interested, you will need to first answer a few questions to make sure you are able to take part in the study. If you are able to take part in the study, then you will be asked to complete one survey today and one survey in six months.

1. Survey #1 is available for you to complete online now. After you complete Survey #1, you will receive a MasterCard pre-paid debit card for \$50.
2. Survey #2 will be completed six months after you complete Survey #1. This survey will also be available for you to complete online. After you complete Survey #2, you will receive another MasterCard pre-paid debit card, this time for \$75.

**To get started, visit the link below to take part in Survey #1.**

**Website:** <https://ssasurvey.org>

**PIN:** XXXXXXXXXX

Your decision to take part in this research study is voluntary. It will not affect your benefits.

More information about the study is available at: <https://www.ssa.gov/disabilityresearch/research.htm>

You may also contact Westat with questions about the study by calling 1-855-940-0151.

Thank you again for your assistance.

Sincerely,

*Susan Wilschke*

Acting Associate Commissioner, Office of Research, Demonstration and Employment Support,  
Social Security Administration

Please see the backside of this letter for the Privacy Act statement.

## **Privacy Act Statement Collection and Use of Personal Information**

Section 1110(a) of the Social Security Act, as amended, allows us to collect this information. Furnishing us this information is voluntary. However, failing to provide all or part of the information may only affect your eligibility to receive the study participation reimbursement amount.

We will use the information you provide for research purposes. We may also share the information for the following purposes, called routine uses:

- To a contractor under contract to the SSA, or under contract to another agency with funds provided by SSA, for the performance of research and statistical activities directly related to the Extramural Surveys (Statistics) system of records; and
- To the General Services Administration and the National Archives Records Administration (NARA) under 44 U.S.C. 2904 and 2906, as amended by the NARA Act of 1984, information which is not restricted from disclosure by Federal law for the use of those agencies in conducting records management studies.

In addition, we may share this information in accordance with the Privacy Act and other Federal laws. For example, where authorized, we may use and disclose this information in computer matching programs, in which our records are compared with other records to establish or verify a person's eligibility for Federal benefit programs and for repayment of incorrect or delinquent debts under these programs.

A list of additional routine uses is available in our Privacy Act System of Records Notice (SORN) 60-0199, entitled Extramural Surveys (Statistics), as published in the Federal Register (FR) on January 11, 2006, at 71 FR 1835. Additional information, and a full listing of all of our SORNs, is available on our website at [www.ssa.gov/privacy](http://www.ssa.gov/privacy).

# Appendix K

Survey 1 Postcard



SOCIAL SECURITY ADMINISTRATION  
Work Disability Functional Assessment Battery Research Study  
1600 Research Blvd, TB 135  
Rockville, MD 20850-3129

First Class Mail  
U. S. Postage  
PAID  
Suburban MD  
Permit No. 6379

\*1234567\* 1234567 <M\_NUM> <SEQ>  
<FIRST NAME> <LAST NAME>  
<ADDRESS1> <ADDRESS2>  
<CITY>, <STATE> <ZIP>

**See Inside to Earn \$125!**



SOCIAL SECURITY ADMINISTRATION  
Work Disability Functional Assessment Battery Research Study

**Earn \$125!**

### **Your Voice is Important! Help us Make Improvements!**

The Social Security Administration wants to hear from current beneficiaries to improve their business processes.

To get started, go online to take part in the survey.

Website: <<URL>>

PIN: <<PIN#>>

When you complete the survey, we will immediately send you **\$50**.

In six months, we will contact you to complete a second survey and we will send you an additional **\$75**.

Thank you for your help!

For more information about the study, please go to  
[https://www.ssa.gov/disabilityresearch/WD-FAB\\_Research\\_Study.htm](https://www.ssa.gov/disabilityresearch/WD-FAB_Research_Study.htm)  
or call us at **1-855-940-0151**.

# Appendix L

Survey 2 Postcard





SOCIAL SECURITY ADMINISTRATION  
Work Disability Functional Assessment Battery Research Study  
1600 Research Blvd, RC B16  
Rockville, MD 20850-3129

First Class Mail  
U. S. Postage  
PAID  
Suburban MD  
Permit No. 6379

\*1234567\* 1234567 <M\_NUM> <SEQ>  
<FIRST NAME> <LAST NAME>  
<ADDRESS1> <ADDRESS2>  
<CITY>, <STATE> <ZIP>

**See Inside to Earn \$75!**



SOCIAL SECURITY ADMINISTRATION  
Work Disability Functional Assessment Battery Research Study

**Earn \$75!**

## Your Voice is Important! Help us Make Improvements!

The Social Security Administration wants to hear from current beneficiaries to improve their business processes. If you have already provided your information, thank you!

If you have not responded, please go online to take part in the survey.



Website: <<URL>>



PIN: <<PIN#>>

When you complete the survey, we will immediately send you **\$75**.

Thank you for your help!

For more information about the study call us at 1-855-940-0151, or please go to [https://www.ssa.gov/disabilityresearch/WD-FAB\\_Research\\_Study.htm](https://www.ssa.gov/disabilityresearch/WD-FAB_Research_Study.htm)

# Appendix M

Due to data confidentiality issues, Appendix M has been removed.

# Appendix N

## Nonresponse Bias Analysis

## Appendix N

### Nonresponse Bias Analysis (NRBA) Addendum

#### N.1 Introduction

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This appendix contains a description of the methods and results of a nonresponse bias analysis conducted for the WD/FAB study. When the characteristics of nonrespondents to a survey invitation differ from those of respondents, the survey estimates may be subject to bias (*nonresponse bias*). Weighting adjustments may mitigate the nonresponse bias. A nonresponse bias analysis uses statistical methods to examine the potential for bias in survey, estimates and the extent to which that bias may have been reduced through weighting adjustments.

For WD/FAB, three approaches to nonresponse bias analysis were used:

- Examination of response rates by subgroup;
- Chi-square tests to examine associations between variables and the response status; and
- T-tests to compare unweighted, base weighted, and nonresponse adjusted weighted estimates, all based on the set of respondents to the survey.

For the first two approaches, sampling frame variables were used (because these approaches require variables that are available for both respondents and nonrespondents). For the third approach, both frame variables and questionnaire items were used. Base weights provide population estimates prior to any adjustments made to correct for nonresponse. The nonresponse adjusted weights include adjustments for unknown eligibility and nonresponse.

Findings of bias in the nonresponse bias analysis only indicate potential for bias in the study results. These findings only indicate biases in estimates computed from the variables used in the nonresponse bias analysis, primarily demographic variables. If the study variables of interest are correlated with the demographic variables that are found to potentially have biases, then there is likely a bias in the study variable.

For WD/FAB, separate nonresponse bias analyses were conducted for Survey 1 and Survey 2, since the two surveys have different sets of respondents. Chi-square tests used the Rao-Scott adjusted chi-square, and all tests were performed at the 0.05 level of significance. For the third approach, the tests appropriately account for the correlation between the estimates resulting from the fact that the same observations (i.e., the same set of respondents) were used in computing the estimates.

#### N.2 Methods 1 and 2: Response Rates by Subgroup and Association Between Variables and Response Status

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The first method consists of an examination of response rates by subgroup, where the subgroups are defined based on variables available for both respondents and nonrespondents. In our analysis, we paired this method with the second method, a chi-square test of association between the variable and response status. The variables we used in this analysis include the following variables from the sampling frame: AGE\_CAT (age category), GENDER\_CAT (gender), SSIORDI\_CAT (indicator of whether the beneficiary receives SSDI only vs. SSI or both), TIME\_BENEFITS\_CAT (the total number of months the beneficiary has been receiving benefits), STATE\_CAT (census region), and IMPTYPE\_CAT (indicator of whether primary impairment is mental or physical). All response rates are weighted overall response rates. While unweighted response rates may be useful for

operational purposes (i.e., to gauge the success of the operational procedures and protocol), weighted response rates are more accurate indicators of the representativeness of the sample. All weighted response rates used the unknown eligibility adjusted weights. The results are given in Tables 1 and 2, for Survey 1 and Survey 2, respectively.

## N.2.1 Survey 1

Table N-1 contains the Survey 1 weighted response rates for each level of each of the frame variables included in the analysis. These results indicate that the propensity to respond to Survey 1 is not significantly associated with age, time on benefits, or region. However, there are significant associations between Survey 1 response and gender, beneficiary type category, and primary type of impairment. As indicated in Figure O-1 in Appendix O, gender was selected as the first (i.e., most significant) split in the classification tree that formed the cells for Survey 1 nonresponse adjustment, and beneficiary type category and primary type of impairment each were used in forming the cells, in order to reduce the bias due to differential response among these subgroups.

Table N-1. Response rates and chi-square tests of association between variables and response status: Survey 1				
Variable	Description	Level	Weighted RR (%)	Chi-square (p-value)
<b>Overall</b>			15.9	N/A
<b>AGE_CAT</b>	Age Category (in years)	18-29	12.7	6.88 (0.0632)
		30-39	16.0	
		49-49	17.1	
		50 and older	16.8	
<b>GENDER_CAT*</b>	Gender	Male	12.7	52.01 (<0.0001)
		Female	19.2	
<b>SSIORDI_CAT*</b>	Beneficiary Type Category	SSDI	12.0	36.86 (<0.0001)
		SSI or Both	19.6	
<b>TIME_BENEFITS_CAT</b>	Time on benefits Category (in months)	0-31	14.2	0.56 (0.6546)
		32-41	16.1	
		42-57	16.5	
		58 or more	15.8	
<b>STATE_CAT</b>	Census Region	Midwest	15.9	4.1915 (0.2821)
		Northeast	14.1	
		South	17.4	
		West	15.4	
		Outside Regional Definitions	9.5	
<b>IMPTYPE_CAT*</b>	Primary Impairment Type	Mental	14.5	4.9563 (0.0260)
		Physical	17.2	

\* Significant at  $\alpha = 0.05$

**Note:** Response rates were computed using Response Rate 3 (RR3) in the American Association for Public Opinion Research (AAPOR) Standard Definitions.

## N.2.2 Survey 2

Table N-2 contains the Survey 2 weighted response rates (conditional on having responded to Survey 1) for each level of each of the variables included in the analysis. In addition to the frame variables described above, a few outcome variables from Survey 1 were also included in this analysis. These results indicate that the propensity to respond to Survey 2 is not significantly associated with gender, beneficiary type category, region, primary type of impairment, or the Survey 1 variables general health rating (S1\_GH1), days poor health kept from doing usual activities (S1\_HRQOL4\_4\_CAT), worked for someone/self-employed in last 2 years (S1\_SSA445\_1), doctor said return to work in last 2 years (S1\_SSA445\_3), or interest in rehab/other services (S1\_SSA445\_5). However, there are significant associations between Survey 2 response and age and time on benefits. As indicated in Figure O-2 in Appendix O, the variable STRATA (which is a combination of diary, score, and age) was selected as the first (i.e., most significant) split in the classification tree that formed the cells for Survey 2 nonresponse adjustment, and time on benefits was also used in forming the cells, in order to reduce the bias due to differential response among these subgroups.

Table N-2. Response rates and chi-square tests of association between variables and response status: Survey 2				
Variable	Description	Level	Weighted RR (%)	Chi-square (p-value)
Overall			74.4	N/A
AGE_CAT*	Age Category (in years)	18-29	58.8	18.5036 (0.0002)
		30-39	71.2	
		49-49	79.3	
		50 and older	82.1	
GENDER_CAT	Gender	Male	72.5	1.1441 (0.2848)
		Female	76.3	
SSIORDI_CAT	Beneficiary Type Category	SSDI	74.2	0.0086 (0.9261)
		SSI or Both	74.5	
TIME_BENEFITS_CAT*	Time on benefits Category (in months)	0-31	58.1	12.5881 (0.0024)
		32-41	71.9	
		42-57	73.9	
		58 or more	79.3	
STATE_CAT	Census Region	Midwest	75.9	1.4928 (0.6381)
		Northeast	73.9	
		South	76.6	
		West	69.6	
		Outside Regional Definitions	64.0	
IMPTYPE_CAT	Primary Impairment Type	Mental	72.4	1.0113 (0.3146)
		Physical	75.9	
S1_GH1	Survey 1 GH1: General Health Rating	Excellent	59.2	4.1103 (0.2395)
		Very Good	87.6	
		Good	68.5	
		Fair	75.7	
		Poor	74.8	

**Table N-2. Response rates and chi-square tests of association between variables and response status: Survey 2 (continued)**

Variable	Description	Level	Weighted RR (%)	Chi-square (p-value)
S1_HRQOL4_4_CAT	Survey 1 HRQOL4_4 (categorized): Number of Days in Last 30 Poor Health Kept from Doing Usual Activities	0 – 10	74.4	0.0189 (0.9790)
		11 – 29	74.9	
		21 – 30	74.4	
S1_SSA445_1	Survey 1 SSA445_1: Worked for Someone/Self-Employed Last 2 Years	Yes	70.2	0.8851 (0.3468)
		No	75.3	
S1_SSA445_3	Survey 1 SSA445_3: Doctor Said Return to Work Last 2 Years	Yes	69.9	1.0000 (0.3173)
		No	74.8	
S1_SSA445_5	Survey 1 SSA445_5: Rehab/Other Services Interest	Yes	72.4	1.1614 (0.2812)
		No	75.3	

\* Significant at  $\alpha = 0.05$ .

**Note:** Response rates were computed using Response Rate 3 (RR3) in the American Association for Public Opinion Research (AAPOR) Standard Definitions. Response rates shown in this table are conditional on having completed Survey 1.

### N.3 Method 3: Tests for Differences Between Unweighted and Nonresponse Adjusted Weighted Estimates for Respondents

The third method gauges the effects weighting had on the estimates of frame variables and substantive survey variables. The variables used in this analysis include those available on the sampling frame, specifically, AGE\_CAT (age category), GENDER\_CAT (gender), SSIORDI\_CAT (indicator of whether the beneficiary receives SSDI only vs. SSI or both), TIME\_BENEFITS\_CAT (the total number of months the beneficiary has been receiving benefits), STATE\_CAT (census region), and IMPTYPE\_CAT (indicator of whether primary impairment is mental or physical. This analysis also includes select questionnaire items, specifically general health rating (S1\_GH1 and S2\_GH1), days poor health kept from doing usual activities (S1\_HRQOL4\_4\_CAT and S2\_HRQOL4\_4\_CAT), worked for someone/self-employed in last 2 years (S1\_SSA445\_1 and S2\_SSA445\_1), doctor said return to work in last 2 years (S1\_SSA445\_3 and S2\_SSA445\_3), or interest in rehab/other services (S1\_SSA445\_5 and S2\_SSA445\_5).

Here, we restrict the analyses to survey respondents only (as data users would do when producing survey estimates). For Survey 1, we compare three sets of estimates:

- **Unweighted:** Estimates are computed with no weights at all (i.e., a weight of 1 assigned to each respondent);
- **Base Weighted:** Estimates are computed using weights that account for differential probabilities of selection but do not have any adjustment for nonresponse; and
- **Nonresponse Adjusted Weighted:** Estimates are computed using the final, nonresponse adjusted survey weights.



Differences between unweighted estimates and base weighted estimates are indicative of biases in the unweighted estimates due to failure to account for differential selection probabilities.

Differences between base weighted estimates and nonresponse adjusted weighted estimates are indicative of likely reductions in biases due to differential nonresponse when the final, adjusted weights are used. For the select group of items available on the sampling frame, we also compare the base weighted estimates for the full sample to nonresponse adjusted estimates for respondents, as a measure of the effect the nonresponse adjustment has on nonresponse bias.

For Survey 2, we compare two sets of estimates:

- **Unadjusted:** Estimates are computed using the Survey 1 nonresponse adjusted weights, which adjust for differential probabilities of selection and differential nonresponse to Survey 1, but do not have any adjustment for nonresponse to Survey 2; and
- **Nonresponse Adjusted Weighted:** Estimates are computed using the final, nonresponse adjusted survey weights for Survey 2.

### N.3.1 Survey 1

The results of the comparison of unweighted, base weighted, and nonresponse adjusted weighted estimates for Survey 1 respondents, as well as the comparison of base weighted estimates for the full sample to nonresponse adjusted weighted estimates for respondents for frame variables, are given in Table N-3. These results demonstrate that when base weights are applied, versus unweighted estimates, there are significant differences in the proportions in two of the four age categories, three of the four time on benefits categories, in both impairment type categories, and in the South region. Additionally, there were differences between the unweighted and base weighted estimates of whether the beneficiary worked for someone/was self-employed and whether a doctor said to return to work in the last 2 years. These findings indicate that failure to adjust for differential probabilities of selection will result in **overrepresentation** of persons ages 18-29, beneficiaries with the shortest duration on the program (0-31 months or 32-40 months), and beneficiaries whose primary impairment is physical, and **underrepresentation** of persons ages 40-49, beneficiaries with the longest duration on the program (58 months or more), beneficiaries in the South region, beneficiaries whose primary impairment is mental.

The results in Table N-3 also show that, with the respondent data, when the weights are adjusted for nonresponse to Survey 1, versus using the unadjusted base weights, there are significant differences in the proportions in two of the four age categories, in the gender distribution, in those with a duration of 42-57 months on the program, and in those reporting a general health rating of 'very good' or 'poor'. Additionally, there were differences between the unadjusted (base weighted) and nonresponse adjusted estimates of whether the beneficiary worked for someone/was self-employed, whether a doctor said to return to work in the last 2 years, and interest in rehab/other services.

For variables available from the sampling frame, the comparison of the base weighted estimates for the full sample to the nonresponse adjusted estimates for respondents reveals that the nonresponse adjustment reduced the biases in the respondent sample for the youngest and oldest age categories, in the gender distribution, and in those with a duration of 42-57 months on the program. However, the nonresponse adjustment had only a small effect in reducing bias in estimates of beneficiary type (SSDI only vs. SSI or both).

**Table N-3. Comparison of base weighted estimates for the full sample and unweighted, base weighted, and nonresponse adjusted weighted estimates for respondents: Survey 1**

Variable	Description	Level	Full sample, base weighted estimate (i.e.)	Respondents		
				Unweighted estimate, (s.e.)	Base weighted estimate (s.e.)	Nonresponse adjusted weighted estimate (s.e.)
AGE_CAT	Age Category (in years)	18-29 <sup>1,2</sup>	20.2 (0.50)	26.0 (0.92)	16.2 (0.88)	20.3 (0.76)
		30-39	19.1 (1.20)	21.6 (0.81)	19.3 (1.51)	20.2 (0.94)
		49-49 <sup>1</sup>	28.3 (0.98)	19.7 (0.73)	30.4 (1.46)	28.4 (1.06)
		50 and older <sup>2</sup>	32.4 (0.13)	32.7 (0.72)	34.2 (1.40)	31.1 (1.29)
GENDER_CAT	Gender	Male <sup>2,3</sup>	51.3 (0.60)	42.5 (1.09)	41.1 (1.44)	50.1 (0.86)
		Female <sup>2,3</sup>	48.7 (0.60)	57.5 (1.09)	58.9 (1.44)	49.9 (0.86)
SSIORDI_CAT	Beneficiary Type Category	SSDI <sup>3</sup>	48.2 (0.54)	36.6 (1.04)	36.3 (1.70)	36.5 (1.75)
		SSI or Both <sup>3</sup>	51.8 (0.54)	63.4 (1.04)	63.7 (1.70)	63.5 (1.75)
TIME_BENEFITS_CAT	Time on benefits Category (in months)	0-31 <sup>1</sup>	9.9 (0.15)	24.6 (0.88)	8.9 (0.49)	9.1 (0.45)
		32-41 <sup>1</sup>	22.0 (0.52)	28.0 (0.87)	22.2 (1.47)	22.5 (1.23)
		42-57 <sup>2</sup>	24.7 (0.58)	23.4 (0.75)	25.6 (1.29)	24.2 (1.02)
		58 or more <sup>1</sup>	43.5 (0.82)	24.0 (0.84)	43.3 (1.76)	44.2 (1.54)
STATE_CAT	Census Region	Midwest	21.3 (0.41)	21.0 (0.87)	21.3 (1.58)	20.4 (1.35)
		Northeast	20.4 (0.21)	20.9 (0.80)	18.0 (1.44)	19.1 (1.26)
		South <sup>1</sup>	36.7 (0.25)	35.9 (0.96)	40.1 (1.45)	39.0 (1.23)
		West	20.5 (0.38)	21.9 (0.88)	19.9 (1.35)	20.9 (1.35)
		Outside Regional Definitions	1.0 (0.11)	0.4 (0.11)	0.6 (0.22)	0.7 (0.24)
IMPTYPE_CAT	Primary Impairment Type	Mental <sup>1</sup>	47.8 (0.56)	39.0 (0.86)	43.6 (1.86)	44.2 (1.97)
		Physical <sup>1</sup>	52.2 (0.56)	61.0 (0.86)	56.4 (1.86)	55.8 (1.97)
S1_GH1	Survey 1 GH1: General Health Rating	Excellent	--	1.2 (0.22)	1.1 (0.36)	1.3 (0.35)
		Very Good <sup>2</sup>	--	4.0 (0.42)	4.1 (0.60)	4.8 (0.70)
		Good	--	19.7 (0.74)	19.1 (1.92)	19.4 (1.85)
		Fair	--	45.9 (0.87)	45.0 (2.48)	44.7 (2.49)
S1_HRQOL4_4_CAT	Survey 1 HRQOL4_4 (categorized): Number of Days in Last 30 Poor Health Kept from Doing Usual Activities	0 – 10	--	26.2 (0.77)	26.4 (1.39)	26.6 (1.41)
		11 – 29	--	32.2 (0.93)	31.3 (1.45)	31.2 (1.37)
		21 – 30	--	41.5 (0.93)	42.3 (2.32)	42.1 (2.22)
		31 – 40	--	48.8 (0.93)	49.6 (2.32)	49.4 (2.22)
S1_SSA445_1	Survey 1 SSA445_1: Worked for Someone/Self-Employed Last 2 Years	Yes <sup>1,2</sup>	--	20.6 (0.85)	16.7 (1.17)	17.4 (1.20)
		No <sup>1,2</sup>	--	79.4 (0.85)	83.3 (1.17)	82.6 (1.20)
S1_SSA445_3	Survey 1 SSA445_3: Doctor Said Return to Work Last 2 Years	Yes <sup>1,2</sup>	--	9.4 (0.54)	6.9 (0.81)	7.5 (0.85)
		No <sup>1,2</sup>	--	90.6 (0.54)	93.1 (0.81)	92.5 (0.85)

**Table N-3. Comparison of base weighted estimates for the full sample and unweighted, base weighted, and nonresponse adjusted weighted estimates for respondents: Survey 1 (continued)**

Variable	Description	Level	Full sample, base weighted estimate (s.e.)	Respondents		
				Unweighted estimate (s.e.)	Base weighted estimate (s.e.)	Nonresponse adjusted weighted estimate (s.e.)
S1_SSA445_5	Survey 1 SSA445_5: Rehab/Other Services Interest	Yes <sup>2</sup>	--	34.7 (0.96)	32.9 (1.32)	34.5 (1.34)
		No <sup>2</sup>	--	65.3 (0.96)	67.1 (1.32)	65.5 (1.34)

<sup>1</sup> Difference between unweighted estimate for respondents and base weighted estimate for respondents is significant at  $\alpha = 0.05$  (with Bonferroni correction for multiple comparisons).

<sup>2</sup> Difference between base weighted estimate for respondents and nonresponse adjusted weighted estimate for respondents is significant at  $\alpha = 0.05$  (with Bonferroni correction for multiple comparisons).

<sup>3</sup> Difference between base weighted estimate for full sample and nonresponse adjusted weighted estimate for respondents is significant at  $\alpha = 0.05$  (with Bonferroni correction for multiple comparisons).

-- Not applicable; questionnaire item that is available for respondents only

**Note:** s.e. is the standard error of the estimate.

### N.3.2 Survey 2

Table N-4 contains the results of the comparison of unadjusted and nonresponse adjusted weighted estimates for Survey 2 respondents. These results demonstrate that when adjustments for nonresponse to survey 2 are applied, versus unadjusted estimates, there are significant differences in the age distribution (all four categories), the gender distribution, the proportions in three of the four time on benefits categories, and in the proportions in the Northeast and South regions. Additionally, there were differences between the unadjusted and adjusted Survey 2 estimates of whether the beneficiary worked for someone/was self-employed and whether a doctor said to return to work in the last 2 years.

**Table N-4. Comparison of unadjusted and nonresponse adjusted weighted estimates for respondents: Survey 2**

Variable	Description	Level	Unadjusted estimate (s.e.)	Nonresponse adjusted weighted estimate (s.e.)
AGE_CAT	Age Category (in years)	18-29 <sup>1</sup>	16.0 (0.87)	19.2 (0.92)
		30-39 <sup>1</sup>	19.3 (1.03)	20.6 (0.99)
		49-49 <sup>1</sup>	30.3 (1.77)	28.7 (1.49)
		50 and older <sup>1</sup>	34.4 (1.79)	31.5 (1.52)
GENDER_CAT	Gender	Male <sup>1</sup>	48.8 (1.20)	50.3 (0.90)
		Female <sup>1</sup>	51.2 (1.20)	49.7 (0.90)
SSIORDI_CAT	Beneficiary Type Category	SSDI	36.4 (1.93)	36.9 (1.75)
		SSI or Both	63.6 (1.93)	63.1 (1.75)
TIME_BENEFITS_CAT	Time on benefits Category (in months)	0-31 <sup>1</sup>	7.2 (0.49)	9.4 (0.53)
		32-41 <sup>1</sup>	21.7 (1.58)	22.6 (1.49)
		42-57	24.1 (1.17)	23.9 (1.06)
		58 or more <sup>1</sup>	47.0 (2.04)	44.1 (1.86)
STATE_CAT	Census Region	Midwest	20.8 (1.48)	20.2 (1.23)
		Northeast <sup>1</sup>	19.0 (1.47)	20.2 (1.45)
		South <sup>1</sup>	40.1 (1.89)	39.2 (1.69)
		West	19.5 (1.90)	19.9 (1.75)
		Outside Regional Definitions	0.6 (0.30)	0.6 (0.27)
IMPTYPE_CAT	Primary Impairment Type	Mental	43.0 (2.65)	43.3 (2.42)
		Physical	57.0 (2.65)	46.7 (2.42)
S2_GH1	Survey 2 GH1: General Health Rating	Excellent	2.1 (0.48)	2.0 (0.45)
		Very Good	3.7 (0.88)	4.0 (0.85)
		Good	18.9 (2.28)	19.3 (2.15)
		Fair	46.1 (2.06)	45.7 (1.99)
		Poor	29.2 (1.61)	29.0 (1.59)
S2_HRQOL4_4_CAT	Survey 2 HRQOL4_4 (categorized):	0 – 10	28.9 (2.38)	28.9 (2.27)
		11 – 29	32.0 (1.28)	32.1 (1.22)
	Number of Days in Last 30 Poor Health Kept from Doing Usual Activities	21 – 30	39.1 (2.80)	39.0 (2.62)
S2_SSA445_1	Survey 2 SSA445_1: Worked for Someone/Self-Employed Last 2 Years	Yes <sup>1</sup>	16.1 (1.57)	16.7 (1.45)
		No <sup>1</sup>	83.9 (1.57)	83.3 (1.45)
S2_SSA445_3	Survey 2 SSA445_3: Doctor Said Return to Work Last 2 Years	Yes <sup>1</sup>	6.9 (0.86)	7.5 (0.79)
		No <sup>1</sup>	93.1 (0.86)	92.5 (0.79)
S2_SSA445_5	Survey 2 SSA445_5: Rehab/Other Services Interest	Yes	29.9 (3.25)	30.8 (2.90)
		No	70.1 (3.25)	69.2 (2.90)

<sup>1</sup> Difference between unadjusted estimate and nonresponse adjusted weighted estimate is significant at  $\alpha = 0.05$  (with Bonferroni correction for multiple comparisons).

**Note:** s.e. is the standard error of the estimate. “Unadjusted estimate” is the weighted estimate that uses the nonresponse adjusted Survey 1 weight but does not include the adjustment for Survey 2 nonresponse.

## N.4 Summary

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The results presented in this appendix detail the effects the adjustments for differential probabilities of selection and for differential nonresponse (to Survey 1 and Survey 2, separately) have on the survey estimates. Without adjustments for differential probabilities of selection, the sample cannot be considered to be representative of the target population with respect to age, time on benefits, impairment type, nor region. Furthermore, without this adjustment, there is evidence of bias in estimates of whether the beneficiary worked for someone/was self-employed and whether a doctor said to return to work in the last 2 years.

Without adjustments for nonresponse, there is evidence of potential bias in Survey 1 estimates that are associated with age, gender, duration on the program, and general health status. A comparison of the nonresponse adjusted estimates to the base weighted estimates for the full sample using variables available from the sampling frame indicates that the nonresponse adjustments reduced biases to varying degrees. Failure to adjust for nonresponse to Survey 2 may result in biases in Survey 2 estimates associated with age, gender, duration on the program, and region. For both surveys, there is evidence of potential bias reduction in estimates of whether the beneficiary worked for someone/was self-employed and whether a doctor said to return to work in the last 2 years; for Survey 1, there was also evidence of potential bias reduction in the estimate of interest in rehab/other services.

This analysis is limited to variables that were provided to us from the sampling frame and to a select set of questionnaire items chosen for use in this analysis. There may be unexamined biases in estimates associated with other characteristics (not available from the sampling frame) and other variables (not included in this analysis).

# Appendix O

## Weighting Procedures

## Appendix O

### Weighting Procedures

#### O.1 Weighting Procedures

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In general, the purposes of weighting survey data from a complex sample design are to (1) compensate for variable probabilities of selection, (2) account for differential nonresponse rates across subgroups, and (3) adjust for possible under coverage of certain population groups. For the WD-FAB Study, weighting is used to address purposes (1) and (2), but does not address purpose (3) because there is no under coverage of the target population.

Weighting is accomplished by computing an appropriate factor (*sampling weight*) for each responding sampled unit (e.g., a beneficiary); this factor is delivered in the form of a variable that is included on the analytic file, and that sampling weight variable is used to calculate weighted estimates from the sample. The initial component of the sampling weight is the base weight, defined as the reciprocal of the probability of including a unit in the sample. The base weights are used to inflate the responses of the sampled units to population levels and are generally unbiased or consistent if there is no nonresponse or noncoverage in the sample (e.g., see Kish, 1965, p. 67). When nonresponse or noncoverage occurs in the survey, weighting adjustments are applied to the base weights to compensate for these types of sample omissions.

Nonresponse is unavoidable in virtually all surveys of human populations. For WD-FAB, nonresponse occurred at both the screener stage and the extended survey (Survey 1 and Survey 2) stages. The procedures used to compute the survey weights are described in this section.

#### Overview of the Weighting Process

The computation of weights for the WD-FAB Study includes these steps:

**Creation of Base Weights.** The base weights were computed as the inverse of the probability of selection. Because a stratified random sample was selected for WD-FAB (i.e., with equal probabilities of selection for each beneficiary in a given stratum), the probability of selection is computed by dividing the total sample size in the stratum by the size of the frame in each stratum (i.e., the total number of beneficiaries in the stratum in the frame).

**Calculation of Adjustments to the Weights.** The first phase adjustment is to adjust the base weights for any sampled beneficiaries whose eligibility is unknown. After the adjustment for unknown eligibility, these individual weights are then adjusted for nonresponse. The weights were adjusted separately for nonresponse to Survey 1 and to Survey 2.

The data file contains records for all sampled or collected cases, irrespective of response and eligibility status. At the time of creating weight delivery files the ineligible cases were returned to the delivery files; however they have missing values for the weight variables.

#### Creation of Variables for Variance Estimation

With complex samples such as the WD-FAB sample, there are two approaches for computing measures involving estimates of precision (e.g., standard errors, variance estimates, test statistics, confidence intervals): Taylor series linearization and replication (Wolter 2007). Replication methods can correctly account for the precision effects of stratification, clustering, and sample weighting, including nonresponse weighting adjustment. For WD-FAB, the jackknife replication

method was used. All of the adjustment processes are applied to the full sample and the replicate samples so that the final set of full sample and replicate weights used for variance estimation consider the complex sample design and the effect of every step of the weighting process.

In order to implement the jackknife method, certain variables required for variance estimation must be included in the weighted data files. In the case of jackknife replication, the required variables are a series of weights that correspond to each of the jackknife replicates. This series of weights, referred to as jackknife replicate weights, are attached to each record in the data file, along with the corresponding final full-sample weight. Calculation of the replicate weights first requires the construction of a set of subsamples of the full sample referred to as “jackknife replicates.”

For the WB-FAB, 18 variance estimation strata were created based on the sampling strata. We utilized the stratified jackknife method (JKn) with a total of 120 jackknife replicates. Using the stratified jackknife in analysis of survey data requires the specification of a file of “jackknife factors”; these are provided in the file “varfacts.dat.”

## Development of Weights

### Base Weights

The initial weighting step was to calculate person base weights for the full sample. The full-sample base weight was computed as:

$$WW_h = 1/PP_h$$

where  $PP_h$  = probability of selection for beneficiaries in sampling stratum  $h$ . Next, 120 jackknife replicates were formed from the 16,460 sampled individuals, and replicate base weights,  $WW_{(rr)h}$ ,  $r = 1, 2, \dots, 120$  were created to provide the basis for calculating the required replicate weights in subsequent stages of the weighting process. Table O-1 shows the probabilities of selection and base weights for beneficiaries sampled from each of the 18 strata. The variable STRATA was created as a combination of the variables DIARY, SCORE, and AGE.

Strata	Diary	Score	Age	Frame size	Sample size	Probability of selection*	Base weight*
1	MIE	High	50+	1762	506	0.28717	3.4822
2	MIE	High	<50	13,222	1,934	0.14627	6.8366
3	MIE	Low	50+	3,608	569	0.15771	6.3409
4	MIE	Low	<50	2,813	431	0.15322	6.5267
5	MIE	Medium	50+	1,919	389	0.20271	4.9332
6	MIE	Medium	<50	9,819	1,278	0.13016	7.6831
7	MINE	High	50+	752	225	0.29920	3.3422
8	MINE	High	<50	11,811	431	0.03649	27.404
9	MINE	Low	50+	35,546	389	0.01094	91.378
10	MINE	Low	<50	20,417	251	0.01229	81.343
11	MINE	Medium	50+	4,352	260	0.05974	16.738
12	MINE	Medium	<50	11,034	247	0.02239	44.672
13	MIP	High	50+	6,139	1,260	0.20525	4.8722
14	MIP	High	<50	75,542	6,206	0.08215	12.172



**Table O-1. Frame size, sample size, probability of selection, and base weight, by stratum – survey 1 (continued)**

Strata	Diary	Score	Age	Frame size	Sample size	Probability of selection*	Base weight*
15	MIP	Low	50+	43,368	652	0.01503	66.515
16	MIP	Low	<50	29,162	433	0.01485	67.349
17	MIP	Medium	50+	15,261	592	0.03879	25.779
18	MIP	Medium	<50	56,975	407	0.00714	139.99
<b>Total</b>				<b>343,502</b>	<b>16,460</b>		

\* The probability of selection and base weight were computed as ratios and stored with maximum precision in the weighting datasets. Rounded values are presented here.

### Adjustments for Unknown Eligibility and Nonresponse

For Survey 1, the nonresponse adjustment was implemented in two phases. In the first phase of adjustment, the base weights were adjusted to compensate for sampled individuals for which eligibility for the survey was unknown. In the second phase of adjustment, the first-phase adjusted weights were further adjusted to compensate for the nonresponding individuals among those known to be eligible for the study. Survey 2 was attempted with all Survey 1 respondents. Thus, the computation of the weights for Survey 2 began with the nonresponse adjusted Survey 1 weights and applied an adjustment to compensate for Survey 2 nonresponse.

Table O-2a. Distribution of the survey 1 status

<b>Table O-2a. Individual status for survey 1</b>			
INDIV_STATUS	Description	Frequency	Percent
1	Respondents	2,407	15%
2	Nonrespondents	1,007	6%
3	Ineligibles	373	2%
4	Unknown eligibility	12,673	77%
<b>Total</b>	–	<b>16,460</b>	<b>100%</b>

Table O-2b. Distribution of the survey 2 status

<b>Table O-2b. Individual status for survey 2</b>			
INDIV_STATUS2	Description	Frequency	Percent
1	Respondents	1,604	67%
2	Nonrespondents	801	33%
3	Ineligibles	2	–
<b>Total</b>	–	<b>2,407</b>	<b>100%</b>

To account for variation in response rates across different types of individuals, the individual nonresponse adjustments were made within weighting cells defined by groups of individuals.

**Phase 1 Adjustment.** The cases in response status group 4 are cases for which final eligibility for the study is not known. In the first-phase adjustment, the weights of these individuals were distributed to the cases in response status groups 1, 2, and 3 (respondents, eligible nonrespondents, and ineligibles, respectively) within weighting classes defined by the combination of sex and age group as described below.

The procedure for computing the first phase adjustment was as follows. For each of the sex-age weighting classes specified for the adjustment, the first-phase interview nonresponse adjustment factor for cell  $c$  is,  $AA_{hcc}^{(1)}$ , was computed as

$$AA_{hcc}^{(1)} = \frac{\sum_{jj=1}^m WW_{hjj}}{\sum_{jj=1}^{nn^{(1)}+nn^{(2)}+nn^{(3)}} WW_{hjj}}$$

where  $WW_{hjj}$  is the base weight for individual  $j$  in sampling stratum  $h$ , and where the sum in the numerator extends over the entire sample of individuals in weighting cell  $c$  in sampling stratum  $h$ , while the sum in the denominator extends over the first three response status groups of individuals (see Table O-2a and O-2b). The sum in the numerator is for all four responding statuses:

$$m_{hcc} = nn_{hcc}^{(1)} + nn_{hcc}^{(2)} + nn_{hcc}^{(3)} + nn_{hcc}^{(4)}$$

The corresponding replicate-specific first-phase interview nonresponse adjustment factors for cell  $c$  were similarly computed for jackknife replicate  $r = 1, 2, \dots, 120$ , using the replicate base weights in place of the full-sample base weights. The first-phase weighted interview response rate for cell  $c$  is  $RR_{cc}^{(1)} = 1/AA_{hcc}^{(1)}$  for the full sample, and  $RR_{(rr)cc}^{(1)} = 1/AA_{(rr)hcc}^{(1)}$  for jackknife replicate  $r = 1, 2, \dots, 120$ .

The full-sample first-phase nonresponse-adjusted weight for person  $k$  in cell  $c$  was then computed as

$$WW_{ccc}^{(1)} = AA_{hcc}^{(1)} WW_{ccc}^{(bbbbbbb)},$$

and the corresponding jackknife replicate weights for replicate  $r = 1, 2, \dots, 120$  were similarly computed as

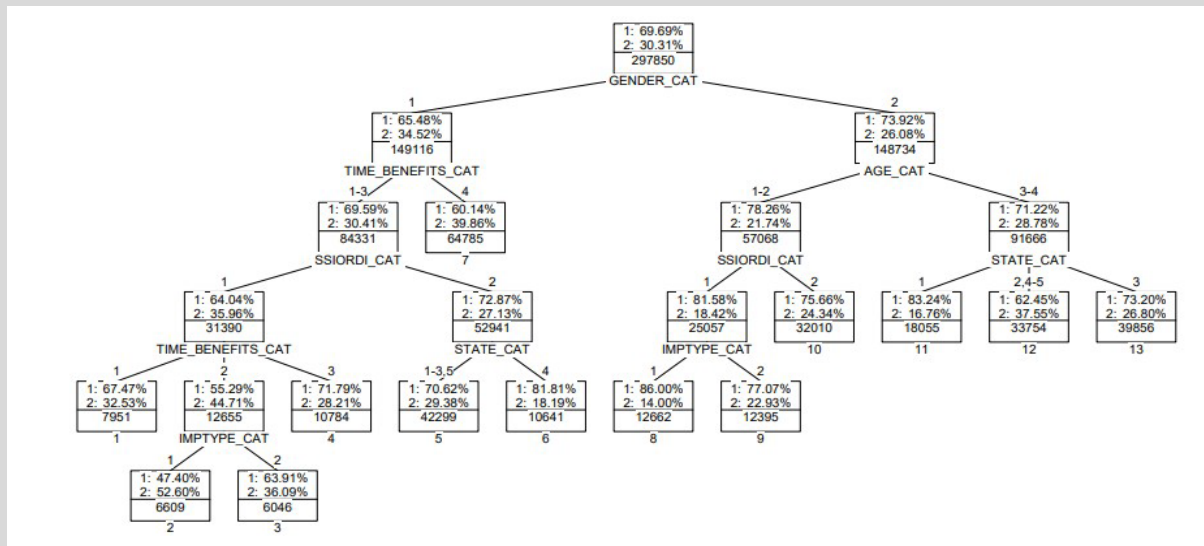
$$WW_{(rr)cccc}^{(1)} = AA_{(rr)hcc}^{(1)} WW_{(rr)cccc}^{(bbbbbbb)}.$$

**Phase 2 Adjustment.** To compensate for nonresponse to the survey, the first-phase nonresponse-adjusted weights,  $WW_{ccc}^{(1)}$ , were further adjusted within cells defined by variables available for both the responding and nonresponding beneficiaries. These variables included data from the frame as well as SSA region (which was derived from state). For Survey 2, the variables also included select Survey 1 questionnaire items. The Chi-square Automatic Interaction Detector (CHAID)—software designed for classification tree analyses (Magidson 2005)—was used to form the final weighting cells for survey nonresponse adjustment.

CHAID classifies the respondents and nonrespondents into weighting cells defined such that persons belonging to the same cell are expected to have similar propensities for responding to the study. CHAID uses a weighted log-linear modeling algorithm for the computation of chi-square statistics associated with each predictor, where the weight is the person first-phase nonresponse-adjusted weight,  $WW_{ccc}^{(1)}$ . An output of the CHAID procedure is a tree diagram that specifies the optimum number of final weighting cells, and their definitions based on the input predictor variables. The depth limit of the tree was set to 5, and the minimum subgroup size required to allow splitting and minimum terminal node size were set to 50 observations (both respondents and nonrespondents).

The CHAID algorithm for Survey 1 identified 7 variables to create the weighting classes for nonresponse adjustment; for Survey 2, 6 variables were identified (several of which had also been used in the Survey 1 nonresponse adjustment). Table 3a lists the variables included in the final CHAID models. The final classification tree produced by the CHAID algorithm for Survey 1 nonresponse adjustment is shown in Figure O-1 and the classification tree for Survey 2 nonresponse adjustment is shown in Figure O-2.

**Figure O-1. Classification tree used to form nonresponse adjustment cells for survey 1 nonresponse adjustment**



**Figure O-2. Classification tree used to form nonresponse adjustment cells for survey 2 nonresponse adjustment**

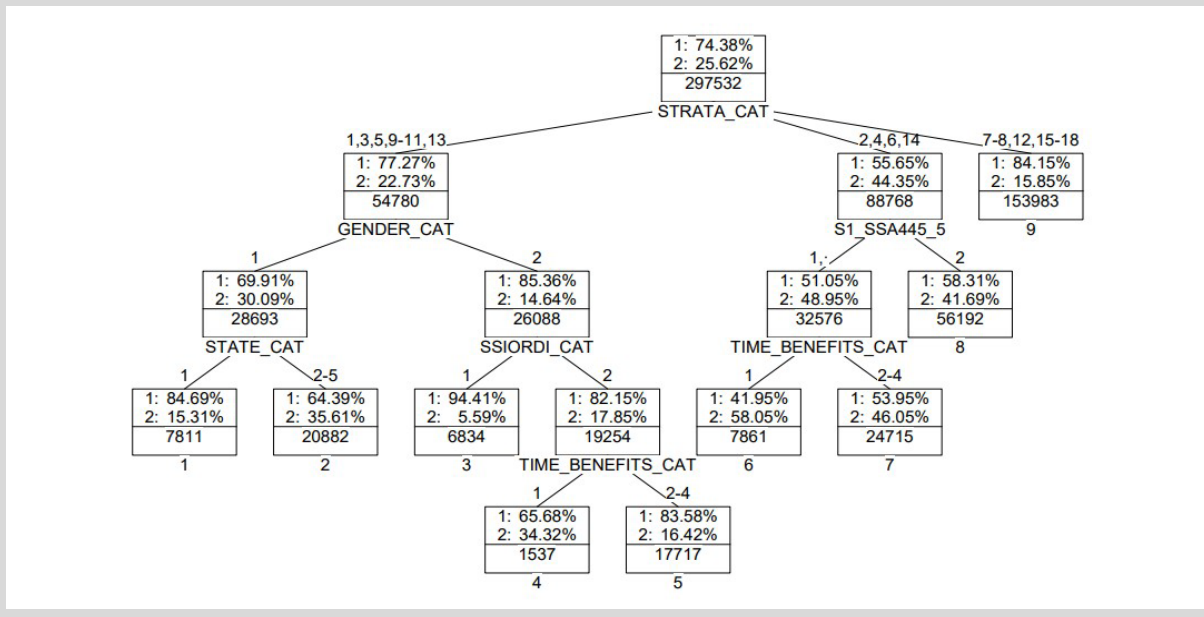


Table O-3. List of the CHAID variables and their definitions, for Survey 1.

Table O-3. Variables selected by CHAID to produce classes for interview nonresponse adjustment for survey 1	
Variable name	Description
GENDER_CAT	Gender (1 = Male, 2 = Female)
AGE_CAT	Age (1 = 18-29, 2 = 30-39, 3 = 40-49, 4 = 50-61)
TIME_BENEFITS_CAT	Time on benefits (1 = 0-31, 2 = 32-41, 3 = 42-57, 4 = 58 +)
IMPTYPE_CAT	Primary Impairment type (1 = Mental, 2 = Physical)
STATE_CAT	Grouped into four Regions (1=Midwest, 2=Northeast, 3=South, 4=West, 5=Other)
SSIORDI_CAT	Beneficiary type: (1 = SSDI, 2 = SSI/Both)
STRATA_CAT	Numeric version of Strata (values 1 – 18) – see Table O-1a for the definition of each stratum

Table O-4. List of the CHAID variables and their definitions, for Survey 2.

Table O-4. Variables selected by CHAID to produce classes for interview nonresponse adjustment for survey 2	
Variable name	Description
STRATA_CAT	Numeric version of Strata (values 1 – 18) – see Table O-1a for the definition of each stratum
GENDER_CAT	Gender (1 = Male, 2 = Female)
S1_SSA445_5	Survey 1: Interest in receiving rehabilitation or other services (1 = Yes, 2 = No)
STATE_CAT	Grouped into four Regions (1=Midwest, 2=Northeast, 3=South, 4=West, 5=Other)
SSIORDI_CAT	Beneficiary type: (1 = SSDI, 2 = SSI/Both)
TIME_BENEFITS_CAT	Time on benefits (1 = 0-31, 2 = 32-41, 3 = 42-57, 4 = 58 +)

The adjusted weight is computed by ratio-adjusting unknown eligibility adjusted weights of responding individuals so that the sum of the adjusted weights of the respondents within the cell is the same as the sum of the unknown eligibility adjusted weight of the respondents and nonrespondents in the cell, while the adjusted weights of nonresponding individuals are set to zero. Ineligible individuals were excluded from the weighting classes.

The general approach for computing the second-phase nonresponse-adjusted person-level survey weights was as follows: Within each of the final adjustment cells (shown in Figures 1 and 2, for Surveys 1 and 2, respectively), the interview nonresponse adjustment factor for cell  $m$ ,  $AA_m^{(iinnii)}$ , was computed as

$$AA_{mm}^{(iinnii)} = \left( \sum_{ii=1}^{nn^{mmmm}} WW_{mcc}^{(1)} + \sum_{ii=1}^{nn^{mm}} WW_{mcc}^{(1)} \right) / \sum_{mmcc} WW_{mcc}^{(1)}$$

where  $m$  denotes the adjustment cell,  $WW_{mcc}^{(1)}$  is the first-phase nonresponse-adjusted weight for person  $k$  in cell  $m$ ,  $nn_{mm}^{rrbbbr}$  = the number of responding persons in cell  $m$ , and  $nn_{mm}^{mmrr}$  = the number of eligible nonresponding persons in cell  $m$ .

The corresponding replicate-specific interview nonresponse adjustment factor for cell  $m$  were similarly computed for jackknife replicate  $r = 1, 2, \dots, 120$  as

$$AA_{(rr)mm}^{(iinnii)} = \left( \sum_{ii=1}^{(rr)mm} WW_{(rr)mcc}^{(1)} + \sum_{ii=1}^{(rr)mm} WW_{(rr)mcc}^{(1)} \right) / \sum_{(rr)mmcc} WW_{(rr)mmcc}^{(1)}$$

The weighted interview response rate for cell  $m$  is  $RR^{(innii)} = 1/AA^{(innii)}$  for the full sample, and  $RR^{(innii)} = 1/AA^{(innii)}$  for jackknife replicate  $r = 1, 2, \dots, 120$ .

The full-sample nonresponse-adjusted interview weight for responding person  $k$  in cell  $m$  was then computed as

$$WW_{nmcc}^{(innii)} = AA_{nm}^{(innii)} WW_{nmcc}^{(1)}$$

and the corresponding jackknife replicate weights for replicate  $r = 1, 2, \dots, 120$  were similarly computed as

$$WW_{(r)nmcc}^{(innii)} = AA_{(r)nm}^{(innii)} WW_{(r)nmcc}^{(1)}$$

The sum of the weights for the responding individuals is an estimate of the total number of eligible individuals. Table O-5 shows a few summary statistics for the nonresponse adjusted survey weights for the responding beneficiaries.

Table O-5. Summary statistics for the nonresponse adjusted survey weights						
Weight	N	Mean	Min	Max	Sum	CV (x100)
Survey 1 NR adj wgt (PNRW0)	2,407	123.74	12.92	1198.80	297,850	132.54
Survey 2 NR adj wgt (PNR2W0)	1,604	185.49	14.26	1424.56	297,532	114.63

The final adjusted full-sample survey weights are provided in the analysis file as the variables PNRW0 (for Survey 1) and PNR2W0 (for Survey 2). The corresponding jackknife replicate weights are PNRW1-120 (for Survey 1) and PNR2W1-120 (for Survey 2).

## References

Kish, L. (1965). *Survey Sampling*. New York, NY: John Wiley & Sons.

Magidson. (2005). SI-CHAID Users Guide. Statistical Innovations.

Wolter, K.M. (2007). Introduction to variance estimation (Vol. 53). New York: Springer.