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Participant ID: ______
Participant Name Code: ______

Date Form Filled Out:			
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Interviewer Code:			
Circle Field Center Location:			
BU	CU	DK	UP

Performance Measures

Examiner:	Where is this test being performed?
	This Form was Administered by Study Personnel in the Home
	Other (Please Specify)

A. SHORT PHYSICAL PERFORMANCE BATTERY (SPPB)

<u>Interviewer</u>: All of the tests should be performed in the same order as they are presented in this protocol. Instructions to the participant are shown in bold italic and should be given exactly as they are written in this script.

Now let's begin the evaluation. I would now like you to try to move your body in different movements. I will first describe and show each movement to you. Then I'd like you to try to do it. If you cannot do a particular movement, or if you feel it would be unsafe to try to do it, tell me and we'll move on to the next one. Let me emphasize that I do not want you to try to do any movement that you feel might be unsafe.

Do you have any questions before we begin?

Measure: Balance Tests

<u>Interviewer</u>: The participant must be able to stand unassisted without the use of a cane or walker. You may help the participant to get up.

Side-by-Side Stand

<u>Interviewer Script</u>: Now I will show you the first movement. (Demonstrate) I want you to try to stand with your feet together, side-by-side, for about 10 seconds. You may use your arms, bend your knees, or move your body to maintain your balance, but try not to move your feet. Try to hold this position until I tell you to stop.

	 Stand next to the participant to help him/her into the side-by-side position. Supply just enough support to the participant's arm to prevent loss of balance. When the participant has his/her feet in position, ask "Are you ready?" Then let go and begin timing as you say, "Ready, begin." Stop the stopwatch and say "Stop" after 10 seconds or when the participant steps out of position or grabs your arm. If participant is unable to hold the position for 10 seconds, record result and go to the gait speed test.
1.	Is the participant able to do a side-by-side stand (balance unaided) for 10 seconds?
	Yes, held for 10 seconds No, not held for 10 seconds Record Result in Q2; End Balance Test; Go to Gait Speed Test Record Result in Q2; End Balance Test; Go to Gait Speed Test End Balance Test/Go to Q3
2.	Number of seconds held, if less than 10: •
3.	If participant did not attempt test, indicate reason with an "X". End Balance Test; Go to Gait Speed Test
	Tried, but unable
	Participant could not hold position unassisted
	Not attempted, interviewer felt unsafe
	4Not attempted, participant felt unsafe
	⁵ Participant unable to understand instructions
	6Other (Please Specify)
	RParticipant Refused
	Semi-Tandem Stand

Participant Name Code:

Interviewer Script: Now I will show you the second movement. (Demonstrate) I want you to try to stand with the side of the heel of one foot touching the big toe of the other foot for about 10 seconds. You may put either foot in front, whichever is more comfortable for you. You may use your arms, bend your knees, or move your body to maintain your balance, but try not to move your feet. Try to hold this position until I tell you to stop.

- Stand next to the participant to help him/her into the semi-tandem position.
- Supply just enough support to the participant's arm to prevent loss of balance.
- When the participant has his/her feet in position, ask "Are you ready?"
- Then let go and begin timing as you say, "Ready, begin."
- Stop the stopwatch and say "Stop" after 10 seconds or when the participant steps out of position or grabs your arm.
- If participant is unable to hold the position for 10 seconds, record result and go to the gait speed test.

Participant ID:

Part	articipant ID: Participant Name Code:		
4.	Is the participant able to	do a semi-tandem stand (balance	ce unaided) for 10 seconds?
	<u> </u>	Yes, held for 10 seconds	
	0	No, not held for 10 seconds	Record Result in Q5; End Balance Test; Go to Gait Speed Test
	R	Not attempted/Refused	End Balance Test; Go to Q6
5.	Number of seconds held	, if less than 10: •	Go to Gait Speed Test
6.	If participant did not att	empt test, indicate reason with a	n "X". End Balance Test; Go to Gait Speed Test
	===	Tried, but unable	
		Participant could not ho	
	$\overline{\square}_{4}$	Not attempted, interview	
	====	Not attempted, participa	
	= 6	Participant unable to un	
	D	Other (Please Specify)_	
		Participant Refused	
		Tandem Stand	1
with may kne poss	 the heel of one foot in fix put either foot in front, wes, or move your body to a stition until I tell you to stop it ition until I tell you to stop it ition until I tell you to stop it it it it is supply just enough supply it is it is stop the stopwatch and grabs your arm. If participant is unable test. 	cont of and touching the toes of whichever is more comfortable maintain your balance, but try p. cipant to help him/her into the toport to the participant's arm to has his/her feet in position, ask timing as you say, "Ready, begind say "Stop" after 10 seconds of to hold the position for 10 seconds of the hold	prevent loss of balance. 'Are you ready?'' in.'' r when the participant steps out of position or onds, record result and go to the gait speed
7.	Is the participant able to	do a tandem stand (balance una	ided) for 10 seconds?
	1	Yes, held for 10 seconds	
	0	Yes, held for 10 secondsNo, not held for 10 seconds	Record Result in Q8; End Balance Test; Go to Gait Speed Test
	R	Not attempted/Refused	End Balance Test; Go to Q9
8.	Number of seconds held	, if less than 10: •	Go to Gait Speed Test

Participant ID: Participant Na	: Participant Name Code:	
9. If participant did not attempt test, indicate reason with an "X".	End Balance Test; Go to Gait Speed Test	
Tried, but unable Participant could not hold positi Not attempted, interviewer felt unable Not attempted, participant felt unable to understand Other (Please Specify) Participant Refused	insafe nsafe instructions	
Measure: Gait Speed Test		
First Gait Speed		
Interviewer Script: Now I am going to observe how you normally walking aid and you feel you need it to walk a short distance, then you	• •	
This is our walking course. I want you to walk to the other end of the if you were walking down the street to go to the store. (Demonstrate		
Walk all the way past the other end of the tape before you stop. I wi would be safe? (Have the participant stand with both feet touching the	• • •	
When I want you to start, I will say: "Ready, begin." When the partsay "Ready, begin."	ticipant acknowledges this instruction	
 Press the start/stop button to start the stopwatch when the par Walk behind and to the side of the participant. Stop timing when one of the participant's feet is completely ac 		
10. Length of walk test course:		
	able)	
11. Time for 3 or 4 meters: Seconds		

Participant ID:	Participant Name Code:
12. If participant did	not attempt test, indicate reason with an "X":
1	Tried, but unable
2	Participant could not walk unassisted
3	Not attempted, interviewer felt unsafe
<u></u> 4	Not attempted, participant felt unsafe
<u>5</u>	Participant unable to understand instructions
<u></u> 6	Other (Please Specify)
□ ^R	Participant Refused
13. Aids used for firs	t walk:
0	None
1	Cane
2	Other (Please Specify)
	Second Gait Speed
When I want you to sto say "Ready, begin."	and with both feet touching the starting line. art, I will say: "Ready, begin." When the participant acknowledges this instruction
 Walk behind an 	stop button to start the stopwatch when the participant steps over the starting line. It is to the side of the participant. It is completely across the end line.
14. Time for 3 or 4 m	eters: Seconds
15. If participant did	not attempt test, indicate reason with an "X":
<u></u> 1	Tried, but unable
<u></u> 2	Participant could not walk unassisted
<u></u> 3	Not attempted, interviewer felt unsafe
<u></u> 4	Not attempted, participant felt unsafe
<u></u> 5	Participant unable to understand instructions
6	Other (Please Specify)
K	Participant Refused

Participant ID:	Participant Name Code:
16. Aids used for Second walk:	
\square^0	Specify)
17. What is the time for the faster of the two was walk done, record that time)	lks? (Record the shorter of the two times; if only one
Measure: Chair Stand Test	
Single	Chair Stand
Interviewer Script: Let's do the last movement te up from a chair?	st. Do you think it would be safe for you to try to stand
The next test measures the strength in your legs. (Demonstrate and explain the procedure.)
First, fold your arms across your chest and sit so t your arms folded across your chest.	hat your feet are on the floor; then stand up keeping
Please stand up keeping your arms folded across y	our chest. (Record result)
If the participant cannot rise without using arms, so end of the test. Record result onto the scoring page	ay ''Okay, try to stand up using your arms.'' This is the
18. Safe to stand without help?	
\square^1	
19. Results:	
Participant stood wing and a Participant used arm Test not completed	ns to stand End Test; Proceed to Section B

Participant ID:	Participant Name Code:
20. If partic	ipant did not attempt test, indicate reason with an "X":
	¹ Tried, but unable
	Participant could not stand unassisted
	Not attempted, interviewer felt unsafe
	4Not attempted, participant felt unsafe
	Participant unable to understand instructions
	6Other (Please Specify)
	RParticipant Refused
Interviewer:	Skip to O24
	Repeated Chair Stand
 up each time, you with a sto When Count Stop if Also s 	the participant is properly seated, say: "Ready? Stand." and begin timing. out loud as the participant rises each time, up to five times. f participant becomes tired or short of breath during repeated chair stands. he stopwatch when he/she has straightened up completely for the fifth time. top: If participant uses his/her arms. After 1 minute, if participant has not completed all 5 rises
0	At your discretion, if concerned for participant's safety.
If the particip ''Can you con	ant stops and appears to be fatigued before completing the five stands, confirm this by asking ntinue?"
21. Safe to s	stand five times?
]¹Yes]⁰No Go to Q23 complete five stands? (Only if participant completes 5 stands)
	Seconds

Participant ID:	Participant Name Code:
23. If participant did not attempt/complet	te test, indicate reason with an "X":
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$, but unable cipant could not stand unassisted ttempted, interviewer felt unsafe ttempted, participant felt unsafe cipant unable to understand instructions (Please Specify)
B. GRIP STRENGTH	
	going to use this instrument to measure the strength in your ons to determine which hand would be better to test.
24. Are you right or left-handed?	
\square^1	
25. Which is your stronger hand?	
\square^1	
If determining safety for right hand:	
26a. Do you have severe pain or severe art	thritis in your right hand ?
1Yes 0No	
26b. Have you had any surgery on your ri g	ght hand or wrist in the past three months?
1Yes 0No	

Participant ID:	Participant Name Code:	
26c. Do you think you could safely squeeze this with your right hand , as hard as you can?		
1Yes 0No	Test right hand; Go to Q28 Do not test right hand, Go to Q27a to evaluate left hand	
If determining safety for left hand:		
27a. Do you have severe pain or severe arthritis	in your left hand ?	
\square^1 Yes \square^0 No		
27b. Have you had any surgery on your left har	nd or wrist in the past three months?	
1Yes	Do not test left hand, Go to Q26a to evaluate right hand, if not already done. If right hand not eligible, Go to Q28.	
No		
27c. Do you think you could safely squeeze this	s with your left hand, as hard as you can?	
1Yes 0No	Test left hand; Go to Q28	
0No	Do not test left hand, Go to Q26a to evaluate right hand, if not already done. If right hand not eligible, Go to Q28.	
28. Which hand was tested?		
\square^1		
Neither	END TEST	
Interviewer Script: I'd like you to sit down an	d take your right/left arm and please place it part to your	

<u>Interviewer Script</u>: I'd like you to sit down and take your right/left arm and please place it next to your body and bend your elbow at a 90° angle. Grip the two bars in your hand, like this. You need to slowly squeeze the bars as hard as you can." (Hand the Dynamometer to the participant. Adjust if needed.)

Now try it once just to get the feel for it. For this practice, just squeeze gently. It won't feel like the bars are moving, but your strength will be recorded. Are the bars the right distance apart for a comfortable grip?

Show dial to participant.

Participant ID:	Participant Name Code:
29. Dynamometer Setting:	
We'll do this twice. This time it counts, so when I say Squeeze! Squeeze! Squeeze! Okay now, STOP.	"Squeeze", squeeze as hard as you can. Ready?
30. Trial 1:	
kg	
Unable to test/exc Participant unable Refused	
Examiner Note: Wait 10 seconds before second tria	1.
Now, one more time. Squeeze as hard as you can. ReSTOP.	ady? Squeeze! Squeeze! Squeeze! Okay now,
31. Trial 2:	
kg	
Unable to test/exc Participant unable Refused	