Variable Name	MR Screen Name	Question type	Question text/description	Code list	Routing
			PHYSICAL MEASURES QUESTIONNAIRE SPECIFICATIONS CRITERIA INTTYPE=C001, C002, C003, C004, C005, C006, C010 SPALIVE=1 SEASON=FALL, SUMMER SPPROXY=SP Other: N/A PLACEMENT If INTTYPE in(C003), administer after HFQ. If INTTYPE in(C001, C002, C004, C005, C006, C010), administer after CPQ.		
PHYSINTRO	PHYSINTRO	no entry	IF R IS IN A WHEELCHAIR OR CANNOT STAND, SELECT "(02) R CANNOT PARTICIPATE" WITHOUT READING TEXT BELOW. Now I am going to ask you to do a few simple activities. Researchers are interested in how performance on these activities relates to some of the other factors I have asked you about in the interview. I will ask you to do these activities: height and weight measurements, a balance test, a walking test, a standing test, and a test of hand strength. My primary concern is for your safety, so I will ask you if you feel it would be safe for you to complete each activity. I will describe these measurements and ask if you would feel comfortable and safe completing each of the measurements. We will then complete the measurements one after the other.	(01) CONTINUE (02) R CANNOT PARTICIPATE (IN WHEELCHAIR, CAN'T STAND)	(01) HWTINTRO (02) GRPSTART
HGTINTRO	HGTINTRO	code one	Let's start by measuring your height. I will ask you to stand up straight against the wall with your feet together. Then, I will mark your height on the wall using a sticky note and ask you to step away. I will then measure from the sticky note to the floor. Is there any reason why you feel you cannot participate? [IF R REFUSES TO ATTEMPT THE MEASURE, CODE (02) R CANNOT OR WILL NOT PARTICIATE]	(01) CONTINUE (02) R CANNOT OR WILL NOT PARTICIPATE	(01) HGTMEASU (02) HGTREASN
HGTMEASU	HGTMEASU	verbatim text	RECORD HEIGHT TO THE NEAREST HALF-INCH.	(01) continuous answer (996) TEST COULD NOT BE COMPLETED	(01) WGTINTRO (996) HGTREASN

HGTREASN	HGTREASN	code one	CODE THE PRIMARY REASON WHY THE TEST COULD NOT BE COMPLETED. [IF THE RESPONDENT REFUSED TO ATTEMPT THE MEASURE, SELECT "REFUSED."]	(01) EQUIPMENT PROBLEM (02) NO SUITABLE SPACE TO CONDUCT THE MEASURE (03) R UNABLE TO UNDERSTAND INSTRUCTIONS (04) NOT ATTEMPTED, FI FELT IT WAS UNSAFE (05) NOT ATTEMPTED, R FELT UNSAFE (06) ATTEMPTED, UNABLE TO DO (91) OTHER (-8) DON'T KNOW (-9) REFUSED	(01) - (06), (-8), (-9) WGTINTRO (91) HGTREAOS
HGTREAOS	HGTREAOS	verbatim text	WHAT IS THE PRIMARY REASON THE RESPONDENT CANNOT OR WILL NOT PARTICIPATE IN THIS MEASURE?	(01) Continuous answer	WGTINTRO
WGTINTRO	WGTINTRO	code one	Now, we will measure your weight. I will ask you to stand on the scale and stand still. Once I have recorded the weight, I will ask you to step off of the scale. Is there any reason why you feel you cannot participate? [IF R REFUSES TO ATTEMPT THE MEASURE, CODE (02) R CANNOT OR WILL NOT PARTICIATE]		(01) WGTMEASU (02) WGTREASN
WGTMEASU	WGTMEASU	verbatim text	RECORD WEIGHT TO THE NEAREST TENTH OF A POUND		(01) BALINTRO (996) WGTREASN
WGTREASN	WGTREASN	code one	CODE THE PRIMARY REASON WHY THE TEST COULD NOT BE COMPLETED.	(01) EQUIPMENT PROBLEM (02) NO SUITABLE SPACE TO CONDUCT THE MEASURE (03) R UNABLE TO UNDERSTAND INSTRUCTIONS (04) NOT ATTEMPTED, FI FELT IT WAS UNSAFE (05) NOT ATTEMPTED, R FELT UNSAFE (06) ATTEMPTED, UNABLE TO DO (91) OTHER (-8) DON'T KNOW (-9) REFUSED	(01) - (06), (-8), (-9) BALINTRO (91) WGTEXCLD

WGTEXCLD	WGTEXCLD	verbatim text	WHAT IS THE PRIMARY REASON THE RESPONDENT CANNOT OR WILLNOT PARTICIPATE IN THIS MEASURE?	(01) Continuous answer	BALINTRO
BALINTRO	BALINTRO	no entry	Next I am going to ask you to do a few simple activities for me, starting with a balance measure. Let me first demonstrate this measure. After I demonstrate the measure, please tell me if you cannot do a particular movement or if you feel it would be unsafe to try and do it. [IF R REFUSES TO ATTEMPT THE MEASURE, CODE (02) R CANNOT OR WILL NOT PARTICIATE]	(01) CONTINUE (02) R CANNOT OR WILL NOT PARTICIPATE	(01) BALPOS1 (02) BALREAS1
BALPOS1	BALPOS1	code one	SHOW CARD PX1 DEMONSTRATE FIRST POSITION WHILE EXPLAINING POSITION STAND WITH FEET TOGETHER, SIDE-BY-SIDE FOR 10 SECONDS TRY NOT TO MOVE YOUR FEET TRY TO HOLD THIS POSITION UNTIL I TELL YOU TO STOP ASK R TO STAND IN FIRST POSITION ONCE R IS IN POSITION, SAY 'BEGIN' AND START TIMING TIME THE FIRST POSITION PUSH 'START/STOP' BUTTON WHEN YOU SAY 'BEGIN' PUSH 'START/STOP' BUTTON AND SAY 'STOP' AFTER 10 SECONDS, OR PUSH 'START/STOP' BUTTON IF RESPONDENT STEPS OUT OF THE POSITION BEFORE 10 SECONDS WHEN R IS IN FIRST POSITION: Are you ready? WHEN R IS READY, PUSH 'START/STOP' AND SAY: Begin	(01) NUMBER OF SECONDS HELD: [996] TEST COULD NOT BE COMPLETED	If (1) >= 10 seconds, go to BALPOS2; (996) BALREAS1
BALREAS1	BALREAS1	code one	CODE THE PRIMARY REASON WHY THE TEST COULD NOT BE COMPLETED	(01) EQUIPMENT PROBLEM (02) NO SUITABLE SPACE TO CONDUCT THE MEASURE (03) R UNABLE TO UNDERSTAND INSTRUCTIONS (04) NOT ATTEMPTED, FI FELT IT WAS UNSAFE (05) NOT ATTEMPTED, R FELT UNSAFE (06) ATTEMPTED, UNABLE TO DO (91) OTHER (-8) DON'T KNOW (-9) REFUSED	(01)-(06), (-8), (-9) WALINTRO (91) BALREOS1
BALREOS1	BALREOS1	verbatim text	OTHER (SPECIFY)	(01) [Continuous answer]	WALINTRO

BALPOS2	BALPOS2	code one	ONCE RIS IN POSITION, SAY BEGIN AND START HIMING	(01) NUMBER OF SECONDS HELD:	If (1) >= 10 seconds, go to BALPOS3; (996) BALREAS2
BALREAS2	BALREAS2	code one	CODE THE PRIMARY REASON WHY THE TEST COULD NOT BE COMPLETED	(01) EQUIPMENT PROBLEM (02) NO SUITABLE SPACE TO CONDUCT THE MEASURE (03) R UNABLE TO UNDERSTAND INSTRUCTIONS (04) NOT ATTEMPTED, FI FELT IT WAS UNSAFE (05) NOT ATTEMPTED, R FELT UNSAFE (06) ATTEMPTED, UNABLE TO DO (91) OTHER (-8) DON'T KNOW (-9) REFUSED	(01)-(06), (-8), (-9) WALINTRO (91) BALREOS2
BALREOS2	BALREOS2	verbatim text	OTHER (SPECIFY)	(01) [Continuous answer]	WALINTRO

BALPOS3	BALPOS3	code one	SHOW CARD PX3 DEMONSTRATE THIRD POSITION WHILE EXPLAINING POSITION STAND WITH THE HEEL OF ONE FOOT IN FRONT OF AND TOUCHING THE TOES OF THE OTHER FOOT FOR 10 SECONDS TRY NOT TO MOVE YOUR FEET TRY TO HOLD THIS POSITION UNTIL I TELL YOU TO STOP ASK R TO STAND IN THIRD POSITION ONCE R IS IN POSITION, SAY 'BEGIN' AND START TIMING TIME THE THIRD POSITION PUSH 'START/STOP' BUTTON WHEN YOU SAY 'BEGIN' PUSH 'START/STOP' BUTTON AND SAY 'STOP' AFTER 10 SECONDS, OR PUSH 'START/STOP' BUTTON IF RESPONDENT STEPS OUT OF THE POSITION BEFORE 10 SECONDS WHEN R IS IN THIRD POSITION: Are you ready? WHEN R IS READY, PUSH 'START/STOP' AND SAY: Begin	(01) NUMBER OF SECONDS HELD: [996] TEST COULD NOT BE COMPLETED	(01)-(06), (-8), (-9) WALINTRO (91) BALREAS3
BALREAS3	BALREAS3	code one	CODE THE PRIMARY REASON WHY THE TEST COULD NOT BE COMPLETED	(01) EQUIPMENT PROBLEM (02) NO SUITABLE SPACE TO CONDUCT THE MEASURE (03) R UNABLE TO UNDERSTAND INSTRUCTIONS (04) NOT ATTEMPTED, FI FELT IT WAS UNSAFE (05) NOT ATTEMPTED, R FELT UNSAFE (06) ATTEMPTED, UNABLE TO DO (91) OTHER (-8) DON'T KNOW (-9) REFUSED	(01)-(06), (-8), (-9) WALINTRO (91) BALREOS3
BALREOS3	BALREOS3	verbatim text	OTHER (SPECIFY)	(01) [Continuous answer]	WALINTRO
WALINTRO	WALINTRO	no entry	Now I am going to observe how you normally walk. If you use a cane or other walking aid and you feel you need it to walk a short distance, then you may use it. First, let me demonstrate this measure. After I demonstrate the measure, please tell me if you cannot do a particular movement or if you feel it would be unsafe to try and do it. [IF R REFUSES TO ATTEMPT THE MEASURE, CODE (02) R CANNOT OR WILL NOT PARTICIATE]	(01) CONTINUE	(01) WALKTIM1 (02) WALKREAS1

WALKTIM1	WALKTIM1	code one	USE PRE-CUT STRING TO MEASURE DISTANCE ON THE FLOOR DEMONSTRATE THE WALK WHILE PROVIDING INSTRUCTIONS STAND WITH TOES TOUCHING THE BEGINNING OF THE STRING START WALKING WHEN I SAY BEGIN WALK AT YOUR USUAL PACE WALK PAST THE END OF THE STRING BEFORE YOU STOP ALLOW R TO USE HIS/HER WALKING AID (CANE OR WALKER) ASK R TO STAND AT BEGINNING OF STRING When I say "Begin" you may start walking. PUSH 'START/STOP' AND SAY: 'Begin' PUSH 'START/STOP' WHEN ONE OF R'S FEET IS COMPLETELY ACROSS THE OTHER END OF THE STRING	(01) ABLE TO DO (SPECIFY SECONDS): [996] TEST COULD NOT BE COMPLETED	(01) WALKTIM2 (996) WALKREAS1
WALKREAS1	WALKREAS1	code one	CODE THE PRIMARY REASON WHY THE TEST COULD NOT BE COMPLETED	(01) EQUIPMENT PROBLEM (02) NO SUITABLE SPACE TO CONDUCT THE MEASURE (03) R UNABLE TO UNDERSTAND INSTRUCTIONS (04) NOT ATTEMPTED, FI FELT IT WAS UNSAFE (05) NOT ATTEMPTED, R FELT UNSAFE (06) ATTEMPTED, UNABLE TO DO (91) OTHER (-8) DON'T KNOW (-9) REFUSED	(01)-(06), (-8), (-9) CSINTRO (91) WALKOS1
WALKOS1	WALKOS1	verbatim text	OTHER (SPECIFY)	(01) [Continuous answer]	CSINTRO
WALKTIM2	WALKTIM2	code one	ASK RESPONDENT TO REPEAT WALK, FROM THE END OF THE STRING BACK TO THE BEGINNING OF THE STRING When I say "Begin" you may start walking. PUSH 'START/STOP' AND SAY: 'Begin' PUSH 'START/STOP' WHEN ONE OF R'S FEET IS COMPLETELY ACROSS THE OTHER END OF THE STRING	(01) ABLE TO DO (SPECIFY SECONDS): [996] TEST COULD NOT BE COMPLETED	(01) WALKPROB (996) WALKREAS2

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WALKREAS2	WALKREAS2	code one	CODE THE PRIMARY REASON WHY THE TEST COULD NOT BE COMPLETED	(01) EQUIPMENT PROBLEM (02) NO SUITABLE SPACE TO CONDUCT THE MEASURE (03) R UNABLE TO UNDERSTAND INSTRUCTIONS (04) NOT ATTEMPTED, FI FELT IT WAS UNSAFE (05) NOT ATTEMPTED, R FELT UNSAFE (06) ATTEMPTED, UNABLE TO DO (91) OTHER (-8) DON'T KNOW (-9) REFUSED	(01)-(06), (-8), (-9) CSINTRO (91) WALKOS2
WALKOS2	WALKOS2	verbatim text	OTHER (SPECIFY)	(01) [Continuous answer]	CSINTRO
WALKPROB	WALKPROB	code all	RECORD YOUR OBSERVATIONS OF THE R'S MEASURE. CHECK ALL THAT APPLY.	(01) R WALKED UNSTEADILY (02) R LIMPED, SHUFFLED OR DRAGGED A LEG (03) R USED A CANE (04) R USED WALKER (05) R STATED IT'S PAINFUL (06) NOTHING APPLIES	CSINTRO
CSINTRO	CSINTRO	no entry	Now I am going to ask you to stand up from a chair without using your arms. First, let me demonstrate this measure. After I demonstrate the measure, please tell me if you cannot do this movement or if you feel it would be unsafe to try. [IF R REFUSES TO ATTEMPT THE MEASURE, CODE (02) R CANNOT OR WILL NOT PARTICIATE]	(01) CONTINUE (02) R CANNOT OR WILL NOT PARTICIPATE	(01) SNGLCS (02) SNGLREAS
SNGLCS	SNGLCS	code one	STAND UP, KEEPING YOUR ARMS FOLDED ACROSS YOUR CHEST	(01) R STOOD WITHOUT USING ARMS [996] TEST COULD NOT BE COMPLETED	(01) CSINTRO2 (03) SNGLREAS

SNGLREAS	SNGLREAS	code one	CODE THE PRIMARY REASON WHY THE TEST COULD NOT BE COMPLETED	(01) EQUIPMENT PROBLEM (02) NO SUITABLE SPACE TO CONDUCT THE MEASURE (03) R UNABLE TO UNDERSTAND INSTRUCTIONS (04) NOT ATTEMPTED, FI FELT IT WAS UNSAFE (05) NOT ATTEMPTED, R FELT UNSAFE (06) ATTEMPTED, UNABLE TO DO (91) OTHER (-8) DON'T KNOW (-9) REFUSED	(01)-(06), (-8), (-9) GRPSTART (91) SNGLCSOS
SNGLCSOS	SNGLCSOS	verbatim text	OTHER (SPECIFY)	(01) [Continuous answer]	GRPSTART
CSINTRO2	CSINTRO2	no entry	Now I'm going to ask you to stand up and sit down as quickly as you can five times, keeping your arms folded across your chest. I'm going to demonstrate one for you.	(01) CONTINUE	RPTDCS
RPTDCS	RPTDCS	code one	DEMONSTRATE 1 CHAIR STAND WHILE PROVIDING INSTRUCTIONS SIT IN CHAIR WITH YOUR FEET ON THE FLOOR FOLD YOUR ARMS ACROSS YOUR CHEST STAND UP AND SIT DOWN ONCE TELL R TO REPEAT THAT 4 MORE TIMES When I say "Begin" you may stand up. PUSH 'START/STOP' AND SAY 'Begin' COUNT OUT LOUD AS RESPONDENT ARISES EACH TIME PUSH 'START/STOP' WHEN R HAS COMPLETELY STOOD UP FROM THE CHAIR FOR THE 5TH TIME STOP THE EXERCISE EARLY IF R CANNOT RISE WITHOUT USING ARMS, R IS TOO TIRED TO CONTINUE, OR R IS UNABLE TO COMPLETE AFTER 1 MINUTE		(01) GRPSTART (996) CSREAS
CSREAS	CSREAS	code one	CODE THE PRIMARY REASON WHY THE TEST COULD NOT BE COMPLETED		(01)-(06), (-8), (-9) GRPSTART (91) CSOS

csos	csos	verbatim text	OTHER (SPECIFY)	(01) [Continuous answer]	GRPSTART
GRPSTART	GRPSTART	code one	IF R IS MISSING BOTH OF THEIR HANDS, SELECT "(02) R CANNOT PARTICIPATE" WITHOUT READING TEXT BELOW. Now I would like to assess the strength of your hand in a gripping action.	(01) CONTINUE (02) R CANNOT PARTICIPATE (MISSING BOTH HANDS)	(01) MSNGHAND (02) BOX PXEND
MSNGHAND	MSNGHAND	code one	IF R IS OBVIOUSLY MISSING ONE HAND, SELECT WHICH HAND IS MISSING. IF R IS NOT OBVIOUSLY MISSING A HAND, SELECT "CONTINUE"	(01) R IS MISSING RIGHT HAND (02) R IS MISSING LEFT HAND (03) CONTINUE	DOMNHAND
DOMNHAND	DOMNHAND	code one	IF SP IS OBVIOUSLY MISSING A HAND OR ARM, SELECT THE REMAINING HAND AND DO NOT ASK. OTHERWISE, ASK: Which is your dominant hand? [If Needed: Which hand do you use to hold a pencil?]	(01) Right (02) Left (03) Both hands equally dominant (-8) DON'T KNOW (-9) REFUSED	GRPINTRO
GRPINTRO	GRPINTRO	code one	Now we will measure your grip strength We will use this machine [SHOW DYNAMOMETER] to measure how strong your hands are. You will squeeze the handle 2 times [per hand], one practice and one test trial, while your arm is at your side and your elbow is bent like this [DEMONSTRATE 90 DEGREES]. The handle won't move, but the machine will show how hard you squeezed. [PRESS RESET AND TEST, THEN SQUEEZE TO DEMONSTRATE]. See? [SHOW RESPONDENT THE FORCE MEASUREMENT].	(01) CONTINUE	(01) BOX PX1
	BOX PX1		If MSNGHAND = 01 (RIGHT) go to LHANDPRC Else, go to RHANDPRC		

RHANDPRC	RHANDPRC	no entry	SHOW CARD PX4 Let's practice with your RIGHT hand. Is there any reason why you feel you cannot participate with your right hand? The items on this card list some examples of reasons why you should not participate. IF RESPONDENT HAS ANY OF THE CONDITIONS LISTED ON SHOWCARD PX4 FOR THEIR RIGHT HAND, SELECT CONTINUE WITHOUT COMPLETING THE PRACTICE TRIAL When I say 'squeeze,' I want you to squeeze the handle hard, but not as hard as you can. [If Needed: We are starting with the right hand, even if you are not right handed.] [SUPPORT DYNAMOMETER DURING PRACTICE] Ready? 3-2-1-squeeze. [HOLD FOR 3-4 SECONDS] Stop. [PRESS RESET AND TEST ON DYNAMOMETER BEFORE CONTINUING]	(01) CONTINUE	(01) BOX PX2
	BOX PX2		If MSNGHAND = 02 (LEFT) go to RHANDTST Else, go to LHANDPRC		
LHANDPRC	LHANDPRC	no entry	SHOW CARD PX4 Let's practice with your LEFT hand. Is there any reason why you feel you cannot participate with your left hand? The items on this card list some examples of reasons why you should not participate. IF RESPONDENT HAS ANY OF THE CONDITIONS LISTED ON SHOWCARD PX4 FOR THEIR LEFT HAND, SELECT CONTINUE WITHOUT COMPLETING THE PRACTICE TRIAL When I say 'squeeze,' I want you to squeeze the handle hard, but not as hard as you can. [SUPPORT DYNAMOMETER DURING PRACTICE.] Ready? 3-2-1-squeeze. [HOLD FOR 3-4 SECONDS] Stop. [PRESS RESET AND TEST ON DYNAMOMETER BEFORE CONTINUING]	(01) CONTINUE	(01) BOX PX3
	BOX PX3		If MSNGHAND = 01 (RIGHT) go to LHANDTST Else, go to RHANTST		

RHANDTST	RHANDTST	code one	[SUPPORT DYNAMOMETER DURING TEST]	(01) continuous answer	(01) BOX PX4 (996) RHDREASN
	BOX PX4		If MSNGHAND = 02 (LEFT) go to BOX PXEND Else, go to LHANDTST		
RHDREASN	RHDREASN	code one	REASON WHY CANNOT BE COMPLETED FOR RIGHT HAND	(01) EQUIPMENT PROBLEM (02) NO SUITABLE SPACE TO CONDUCT THE MEASURE (03) R UNABLE TO UNDERSTAND INSTRUCTIONS (04) NOT ATTEMPTED, FI FELT IT WAS UNSAFE (05) NOT ATTEMPTED, R FELT UNSAFE (06) NOT ATTEMPTED, R MET EXCLUSION CRITERIA (07) ATTEMPTED, UNABLE TO DO (91) OTHER (-8) DON'T KNOW (-9) REFUSED	(01)-(07), (-8), (-9) BOX PX4 (91) RHDRSNOS
RHDRSNOS	RHDRSNOS	verbatim text	OTHER (SPECIFY)	(01) [Continuous answer]	BOX PX4

LHANDTST	LHANDTST	code one	IF RESPONDENT HAS ANY OF THE CONDITIONS LISTED ON SHOWCARD PX4 FOR THEIR LEFT HAND, SELECT "TEST COULD NOT BE COMPLETED" WITHOUT CONDUCTING THE TEST AND TURN OFF THE DYNAMOMETER. Now we're going to test your LEFT hand. When I say 'squeeze,' this time I want you to squeeze the handle as hard as you can. [SUPPORT DYNAMOMETER DURING TEST] Ready? 3-2-1-squeeze! Harder, harder, harder! [HOLD FOR 3-4 SECONDS] Stop. [RECORD FORCE TO NEAREST TENTH OF A POUND] [TURN OFF THE DYNAMOMETER]		(01) BOX PXEND (996) LHDREASN
LHDREASN	LHDREASN	code one	REASON WHY CANNOT BE COMPLETED FOR LEFT HAND		(01)-(07), (-8), (-9) BOX PXEND (91) LHDRSNOS
LHDRSNOS	LHDRSNOS	verbatim text	OTHER (SPECIFY)	(01) [Continuous answer]	BOX PXEND
	BOX PXEND	routing	IF SEASON=FALL, GO TO NAQ. IF SEASON=SUMMER, GO TO IAQ.		