

Enrollment Form Visit 4 Repeat

Office Use Only MrOS ID#		Acro	stic		Staff	ID#	

1 Is participant willing to come in for repeat Visit 4? 1 ○ Yes V4R4FUTM V4R4FYTM	Reason for refusal: Not interested/Too busy Health Problems Out of Area Too many contacts from study Caregiver responsibilities Other
SCREENING QUESTIONS:	
A. Does the participant have a new fracture at the same s scanned at Visit 4 (for HRpQCT)? 10 Yes 00 No	side and at the site where he was
Site of new fracture: 10 Wrist/Forearm 20 A NOT ELIGIBLE FOR REPEAT VISIT. SKIP	
B. Did the participant have any new non-removable hardy site where he was scanned at Visit 4 (for HRpQCT)?	•
Site of new hardware: 10 Wrist/Forearm 20 NOT ELIGIBLE FOR REPEAT VISIT. SKIP	
C. Has the participant been subject to non-weight bearing Visit 4 (for HRpQCT) for 6 weeks or more in the past 12 10 Yes O No	
NOT ELIGIBLE FOR REPEAT VISIT. SKIP	TO QUESTION D.
D. Did the participant complete repeat Visit 4? Yes	Not eligible
a. Date of visit: / Day / Year V4RL	DATE
b. Who completed the majority of the questionnaires (Windows) and the majority of questions)? 10 Participant 20 Spouse 30	-
c. Were there any changes to the list of medications since	ee the Visit 4 MIF was completed?
d. Were any medications listed on the MIF worksheet tak 1 O Yes 0 No	ten in the past 2 weeks?







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The next few questions ask about your physical activity during the last 7 days. If the last 7 days have not been typical because of illness or bad weather, please estimate based on two or three weeks ago.

1 Over the past 7 days, how often did you participate in sitting activities such as

Go to estion 2	What were these activities?
	On average, how many hours per day did you engage in these sitting activities
	1 O Less than 1 hour O Between 1 and 2 hours 3 O 2-4 hours 4 O More than 4 hours PASITT
any rea	ne past 7 days, how often did you take a walk outside your home or yard for ason? For example, for fun or exercise, walking to work, walking the dog, etc.? er1 O Seldom (1-2 days) 2 O Sometimes (3-4 days) 3 O Often (5-7 days) PAWALK PAWALK
estion 3	What were these activities?
	On average, how many hours per day did you spend walking? PAWALKT
	1 O Less than 1 hour O Between 1 and 2 hours 3 O 2-4 hours 4 O More than 4 hours
	ne <u>past 7 days,</u> how often did you engage in light sport or recreational
activitie pier, or	es such as bowling, golf with a cart, shuffleboard, fishing from a boat or other similar activities? er1 O Seldom (1-2 days)2 O Sometimes (3-4 days)3 O Often (5-7 days) PALTE PALTEW







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	es such as doubles t t a cart, softball or o	-	dancing, hunting, ice vities?	e skating, golf	
	-		days) 3 Often (5-7 days)	PAMOD PAMOD	N
Go to luestion 5	What were these a	ictivities?			
	recreational activit	ties? PAMODT	lay did you engage in hours 30 2-4 hours 40 M	•	rt or
recreat exercis	ional activities such se, skiing (downhill d	n as jogging, swi or cross country	gage in strenuous spo mming, cycling, singl) or other similar activ	es tennis, aerobic vities?	
O Never	1 O Seldom (1-2 days)	2 Sometimes (3-4	days) 3 Often (5-7 days)	PASTR PASTRW	"
Go to luestion 6	What were these a	ctivities?			
	recreational activit	ties? PASTRT	day did you engage in	_	ort o
	10 Less than 1 hour 2				
	he <u>past 7 days</u> , how	often did you do	o any exercise specifi ifting weights or push		
muscl	he <u>past 7 days</u> , how e strength and endu 1 O Seldom (1-2 days)	often did you do urance, such as l	ifting weights or push days) 3 O Often (5-7 days)	hups, etc.?	r
muscl	he <u>past 7 days</u> , how e strength and endu 1 O Seldom (1-2 days)	often did you dourance, such as I O Sometimes (3-4	ifting weights or push days) 3 O Often (5-7 days)	hups, etc.?	<u></u>
muscl O O Nevel	he past 7 days, how e strength and enduration (1-2 days) 2 What were these a	often did you dourance, such as I One of the such as I Contact of th	ifting weights or push days) 3 Often (5-7 days) day did you engage in	hups, etc.? PAWGT PAWGTW	; ; ;e



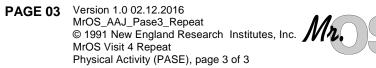




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7	During the <u>past 7 days</u> , have you done any light ho dusting or washing dishes?	usework, such as
	1 O Yes 0 O No PALHW PALHWW	
8	During the past 7 days, have you done any heavy he such as vacuuming, scrubbing floors, washing win $1 \circ \text{Yes } 0 \circ \text{No}$	
9	During the <u>past 7 days</u> , did you engage in any of th (Please answer yes or no for each item.)	e following activities? PAHOMEW
	Home repairs, like painting, wallpapering, electrical work, etc.	? 10 Yes 00 No <i>PAHOME</i>
	Lawn work or yard care, including snow or leaf removal, wood chopping, etc.?	10 Yes 00 No PALAWN PALAWNW
	Outdoor gardening?	10 Yes 00 No PAGARDE
	Caring for another person, such as children, dependent spouse, or another adult?	10 Yes 00 No PACARE
10)	During the past 7 days did you work either for pay of 1 O Yes OO No PAWK PAWKW	
	a. How many hours in the past week did you work for pay and/or as a volunteer?	PAWKHR hours
	 b. Which of the following categories best describes the a required on your job and/or volunteer work? Please mark 1 O Mainly sitting with slight arm movements PAWKPA 	
	Examples: office worker, watchmaker, seated assembly line work	er, bus driver, etc.
	2 Sitting or standing with some walking Examples: cashier, general office worker, light tool and machinery	/ worker
	3○ Walking, with some handling of materials generally weighin Examples: mailman, waiter/waitress, construction worker, heavy to	•
	4 Walking and heavy manual work often requiring handling note than 50 pounds Examples: lumberjack, stone mason, farm or general laborer.	naterial weighing
Į	PASCORE	Draft











General Information Visit 4 Repeat

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)			because of illness or injury, cut down on the ch as going to work or working around the MHRESTR
		last visit, how ma because of illnes days	ny days did you cut down on the things that you s or injury? MHRESDR
	you usually day, becau	last visit, of the nuder do, for how many se of illness or injury.	umber of days that you cut down on the things days did you stay in bed for more than half the ury? (Include any days you spent in bed at as an overnight hospital patient.) MHRESBR





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DXA

Bone Density Form Visit 4 Repeat

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Which hip was scanned at Visit 4? **DXDATA** 1 ○ Right 2 Left 3 No V4 Scan **DXHPSRI** Go to next measure

(2) Can the same hip be scanned at repeat Visit 4?

1 O Yes	0 0 No	DXSAMER
	Record reason:	
	10 Fracture	40 Refused Radiation
	20 Hip replacement	5 0 Unable to lie on table
	³ Other	DXWHYNO
Last 2 characters of Date of scan(s):		ear
Temperature of roo	om during scan:	DXQDTEMP degrees Celsius



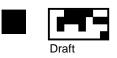


	Н	<i>IWSTAFF</i>
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Was <u>STANDING</u>	HEIGHT measure	•d?1○ Yes	s 0 ○ No → Expla	in:
	HWHEIGHT		·	HWKYPH
a. Is the particip	ant standing sid	leways du	e to kyphosis?	10 Yes 0 0 No
Measurement 1:		mm	Measurement 2:	` <u> </u>
b. Do Measuren	nent 1 and Measi	urement 2	differ by 4 or more	mm? ¹ Yes No
Complete Measu	irements 3 & 4			·
Measurement 3:		mm	Measurement 4:	mm
) Was WEIGHT me	easured? HWW	EIGHT		
<u> </u>				
F	HWWGT .	kg		
HW44RWPC]			
HW44RWT				
HW44RBMI HW44RHT				









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INTRODUCTION/SCREENING QUESTIONS

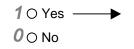
1	Ask the partici	ipant: Do you use any walking aids, such as a cane?	NEALDO
	↑○ No aids	20 Cane or quad cane 30 Walker, wheelchair, leg brace, crutches	NFAIDS

(2) Does the participant have any of the following? If you are uncertain about one of following conditions, ask the participant. (Mark all that apply) NFPARAL 1 Orthosis 1 Missing limbs 1 O Prosthesis 1 O Paralysis of extremity or side of body NFPROTHE

3 Ask the participant: Do you have any problems from recent surgery, injury or other health conditions that might prevent you from standing straight up from a chair or walking quickly?

NFPROB

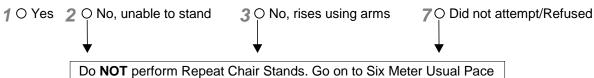
NFORTH



Tell the participant: "Before we do each test, I'll describe it to you. Please tell me if you think that you shouldn't attempt the test because of the problems you described."

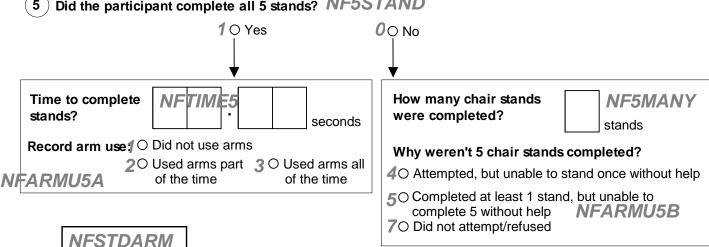
SINGLE CHAIR STAND

Could the participant stand up one time unassisted? NFSTAND1



REPEATED CHAIR STANDS

Did the participant complete all 5 stands? NF5STAND







Six Meter Walk

Visit 4 Repeat

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SIX METER USUAL PACE

(1)	Did the participant complete Trial 1? INFWENNAT
	1 \circ Yes 2 \circ No, participant attempted but unable 3 \circ No, unable to assess
	\downarrow

Record time and number of steps:	NFWLKTM1	seconds	NFWLKST1 steps			
Aid used: <i>0</i> ○ No aid <i>1</i> ○ Straight cane <i>2</i> ○ Quad cane <i>3</i> ○ Walker <i>4</i> ○ Crutch <i>NFWLKAD1</i>						

(2)	Did the	participant	complete	Trial	2?
(participant	complete	IIIai	Z :

NFWLKNA2

1 \bigcirc Yes 2 \bigcirc No, participant attempted but unable 3 \bigcirc No, unable to assess

Record time and number of steps:	NFWLKTIM2	seconds	NFWLKST2 steps
Aid used: 00 No a	aid 10 Straight cane	20 Quad cane 30	Walker 40 Crutch

NFSTPLGT NFWLKSPD NF6MWTM NF6MPACE

NF6MPACA NF6MABLE NF44RSTL NF44RWKS NF44RMT NF44RMP







Blood Collection & Processing Visit 4 Repeat

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1 Was any blood drawn?10 SCBLOOD1	Yes O No	4		orovide consent ³ Unable 4 Other:
Was a fasting sample of Service o			Time of last meal: Date of La Month	Hours Minutes B Processing: Day Year
Vial #1:(Clear/0.5 mL serum)	O Complete	○ Hemolyzed	○ Partial	○ Hemolyzed/partial ○ Not filled
Vial #2:(Clear/0.5 mL serum)	O Complete	○ Hemolyzed	O Partial	○ Hemolyzed/partial ○ Not filled
Vial #3:(Clear/0.5 mL serum)	○ Complete	○ Hemolyzed	○ Partial	○ Hemolyzed/partial ○ Not filled
Vial #4:(Clear/0.5 mL serum)	O Complete	○ Hemolyzed	O Partial	○ Hemolyzed/partial ○ Not filled
Vial #5:(Clear/0.5 mL serum)	O Complete	○ Hemolyzed	○ Partial	○ Hemolyzed/partial ○ Not filled
Vial #6:(Clear/0.5 mL serum)	O Complete	○ Hemolyzed	O Partial	○ Hemolyzed/partial ○ Not filled
Vial #7:(Clear/0.5 mL serum)	O Complete	○ Hemolyzed	O Partial	○ Hemolyzed/partial ○ Not filled
Vial #8:(Clear/0.5 mL serum)	O Complete	○ Hemolyzed	○ Partial	○ Hemolyzed/partial ○ Not filled
Vial #9:(Clear/0.5 mL serum)	O Complete	○ Hemolyzed	O Partial	○ Hemolyzed/partial ○ Not filled
Vial #10:(Clear/0.5 mL serum)	O Complete	O Hemolyzed	○ Partial	○ Hemolyzed/partial ○ Not filled
6 Ending time of laboratory processing:	Hours Minu) am) pm		
8 Did participant provide	consent for f	uture genetic	s studies	?









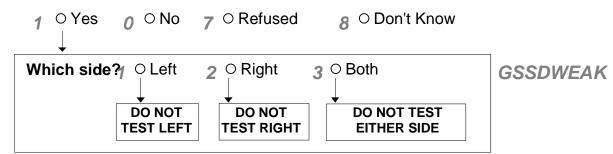
Grip **Strength** Visit 4 Repeat

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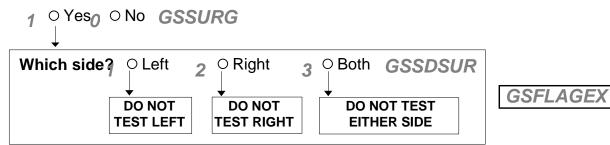
GSSTAFF

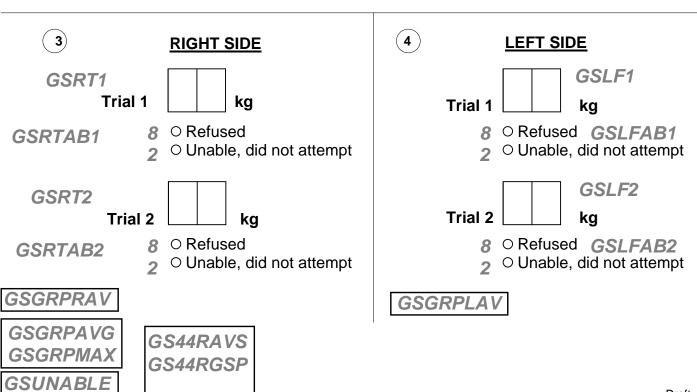
EXCLUSION CRITERIA:

Has any pain or arthritis in your hands gotten worse recently? GSWEAK



(2) Have you had any surgery on your hands or wrists in the past 3 months (12 weeks)?











HRpQCT

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Were any of the HRpQCT scans obtained for this participant? HQWHY
Yes No
1 Patient Number/Sample Number:
Was a DISTAL RADIUS scan obtained? 1 Yes 70 No, refused 00 No, unable HQRAD HQRAD Mark all that apply: 10 History of fracture on both sidesHQRADUF 10 Hardware on both sidesHQRADUH 10 Other: HQRADUO
A. Ulnar length: Date of distal radius scan:
D. Which side was scanned? ○ Left ○ Right E. Was the non-dominant side scanned? ○ Yes ○ No ↓
F. Measurement Number: Mark all that apply: History of fracture Hardware Other:
G. Image Quality: ○1 ○2 ○3 ○4 ○5 Comments:
REPEAT SCAN #1 H. Measurement Number: I. Image Quality: O Refused Comments:
REPEAT SCAN #2 O Refused Comments:









HRpQCT

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Were any of the TIBIA scans obtained? 1 O Yes 7 O No, refused 0 O No, unable HQTIBUF HQTIB Wark all that apply: HQTIBUF O History of fracture on both sides 1 O Hardware on both sides O Injury or surgery related 1 O Other: HQTIBUO non-weight bearing for 6 weeks or more in past 12 months (both sides) HQTIBUS
A. Tibia length: B. Participant's dominant foot: C. Which side was scanned? O Left O Right
D. Was the non-dominant side scanned? O Yes E. Was a DISTAL TIBIA scan obtained? 1 O Yes 7 O No, refused HQTID Mark all that apply: O History of fracture HQTIBDF O Injury or surgery related Non-weight bearing for 6 weeks Or more in past 12 months HQTIBDS
1. Date of distal tibia scan: 2. Measurement
Number:
Month Day Year Comments:
REPEAT SCAN #1 4. Measurement 5. Image Quality:
O Refused Number: 01 02 03 04 05
Comments:
REPEAT SCAN #2 6. Measurement Number: 7. Image Quality: 0.1 0.2 0.3 0.4 0.5 Comments:
F. Was a PROXIMAL TIBIA O Yes O No, refused O No, software/cast unavailable O No, other:scan obtained?
1. Date of proximal tibia scan: 2. Measurement Number:
Month Day Year S. Intage Quanty: 01 02 03 04 05
REPEAT SCAN #1 4. Measurement 5. Image Quality:
○ Refused Number: ○1 ○2 ○3 ○4 ○5
Comments:
REPEAT SCAN #2 6. Measurement 7. Image Quality:
O Refused Number: 01 02 03 04 05
Comments:



