Timed Walking and Hand Grip Assessments
Form 43 – FRAILTY

Effective January 18, 2011, the variable visit number suffix was changed from 2 digits (i.e., VARIABLE_54) to a 3 digit suffix (i.e., VARIABLE_054) and affects ALL visit questionnaire variables from the first visit onward.

<table>
<thead>
<tr>
<th>MACSID</th>
<th>VISIT_52</th>
<th>Date</th>
<th>Examiner's Code</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>MWEXA_52</td>
</tr>
</tbody>
</table>

### Section A: Measured Walk

**A1. Does the participant use an assistive device for walking?**

- **No** [Go to A2]
- **Yes**

  **a. What type of device?**

<table>
<thead>
<tr>
<th>Standard cane</th>
<th>Quad cane</th>
<th>Walker</th>
<th>Wheelchair</th>
<th>White cane</th>
<th>Crutches (1 or 2)</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐</td>
<td>☐</td>
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</tr>
</tbody>
</table>

  Specify: [ ]

**A2. Is the participant wearing a lower extremity orthosis (plastic or metal leg brace at or above the ankle)?**

- **No**
- **Yes**

**A3. Is the participant missing any limbs?**

- **No** [Go to A5]
- **Yes**

  **Which limb(s)?**

<table>
<thead>
<tr>
<th>Left arm</th>
<th>Right arm</th>
<th>Left leg</th>
<th>Right leg</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐</td>
<td>☐</td>
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</tr>
</tbody>
</table>

  Specify: [ ]

**A4. Is the participant wearing a prosthesis (artificial limb)?**

- **No** [Go to A5]
- **Yes**

  **Which limb(s)?**

<table>
<thead>
<tr>
<th>Left arm</th>
<th>Right arm</th>
<th>Left leg</th>
<th>Right leg</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
</tbody>
</table>

  Specify: [ ]

**A5. Does the participant have paralysis of an extremity or side of the body?**

- **No** [Go to A5]
- **Yes**

  **Which side of the body?**

<table>
<thead>
<tr>
<th>Left</th>
<th>Right</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐</td>
<td>☐</td>
</tr>
</tbody>
</table>

  Specify: [ ]

**A6. Was the measured walk test attempted?**

- **No** [Go to A5]
- **Yes**

  **a. If NO, was it due to:**

<table>
<thead>
<tr>
<th>Physical impairment</th>
<th>Cognitive impairment</th>
<th>Other reason</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
</tbody>
</table>

  Specify: [ ]

Please continue.
MEASURED WALK ATTEMPT #1:

PROMPT: Read to Participant:
In this test, I would like you to walk at your usual pace starting at this line and continue walking past the line at the end of the hall until I tell you to stop. Do you think you could do that? Good. Can you see the tape? Good. Let me demonstrate what I want you to do. (DEMONSTRATE.)
To do this test, place your feet with your toes behind, but touching, the start line where we start. I will time you.
When I say “Ready, go!” walk at your usual pace and continue walking past the line at the end of the hall until I tell you to stop.
WHEN THE PARTICIPANT IS PROPERLY AT THE LINE, SAY “Ready, go!” AND BEGIN TIMING.

A7. Did the participant complete the measured walk?
No .......................................
Yes ......................................
Attempted, but unable physically ........................................ Go to A7.a

Explain:

a. If NO, was it due to:
Cognitive impairment ..........
Other reason .....................

Specify:

Go to A7.b

b. If YES, did the participant use an assistive device on walk?

A8. Time in seconds to walk course: seconds

MEASURED WALK ATTEMPT #2:

PROMPT: Read to Participant:
Now, I’d like you to try this test a second time. When I say “Ready, go!” walk at your usual pace and continue walking past the line at the end of the hall until I tell you to stop.
WHEN THE PARTICIPANT IS PROPERLY AT THE LINE, SAY “Ready, go!” AND BEGIN TIMING.

A9. Did the participant complete the measured walk?
No .......................................
Yes ......................................
Attempted, but unable physically ........................................ Go to Section B

Explain:

a. If NO, was it due to:
Cognitive impairment ..........
Other reason .....................

Specify:

Go to A9.a

b. If YES, did the participant use an assistive device on walk?

A10. Time in seconds to walk course: seconds

Section B: Grip Strength

PROMPT: Read to Participant:
In this exercise, I am going to use this instrument to measure the strength in your dominant hand.

B1. Have you had any recent pain in your wrist or any acute flare-up of your hand or wrist from conditions like arthritis, tendonitis, or carpal tunnel syndrome?
No .......................................
Yes ......................................

a. Left wrist?
No .......................................
Yes ......................................

b. Right wrist?
No .......................................
Yes ......................................
B2. Have you had any surgery on your hands or arms during the last 13 weeks?
- No  \[\square\]  Go to B3
- Yes  \[\square\]  SURGPB_52
a. Left arm?
- No  \[\square\]  LSURG_52
- Yes  \[\square\]  RSURG_52
b. Right arm?
- No  \[\square\]  GHNDPB_52
- Yes  \[\square\]  SQEZPB_52

B3. Which hand is your dominant hand?
- Left  \[\square\]  GSHPB_52
- Right  \[\square\]  GSDPB_52

B4. Do you think you could safely squeeze this instrument as hard as you can with your dominant hand?
- No  \[\square\]  If NO, do not do Grip Strength test and go to B5.
- Yes  \[\square\]  GSRGBP_52

B5. Did participant attempt to perform the grip strength assessment?
- No  \[\square\]  ATGR_52
- Yes  \[\square\]  Go to PROMPT
a. If NO, was it due to:
   - Physical impairment  \[\square\]  ATGRN_52
   - Cognitive impairment  \[\square\]  STOP TESTING
   - Other reason  \[\square\]  Specify: __GRTPB_52

B6. Was grip strength test done?
- No  \[\square\]  Go to B6.a
- Yes  \[\square\]  Go to B7
   Attempted, but unable physically  \[\square\]  STOP TESTING

PROMPT: Read to Participant:
I'd like you to take your dominant arm, bend your elbow at a 90 degree angle, press your arm against your side, and grab the two pieces of metal together like this. (EXAMINER SHOULD DEMONSTRATE AT THIS POINT.) When I say “squeeze,” squeeze as hard as you can until I say “stop”. The two pieces of metal will not move but I will be able to read the force of your grip on the dial. I will ask you to do this three times. If you feel any pain or discomfort, tell me and we will stop. (DEMONSTRATE TO PARTICIPANT.)
Now you should bend your elbow at a 90 degree angle, press your arm against your side, and grip the two pieces of metal with your dominant hand. Your wrist should be straight. Ready? Go! (BE SURE TO COACH: “Squeeze, Squeeze, Squeeze!” ALSO BE SURE TO TELL THE PARTICIPANT TO “Stop!” WHEN THE ARROW STARTS GOING DOWN.) DO DOMINANT HAND ONLY.

Summary of conditions:
- acute flare up wrist/hand (e.g., arthritis, tendonitis, carpal tunnel)
- surgery for fusion, arthroplasty, tendon repair, or synovectomy of upper extremity in past 13 weeks
- current symptoms from heart problems that may be exacerbated by hand grip test

If the participant's dominant hand is affected by one or more of the conditions listed on page 6 of the guidelines, DO NOT TEST and complete only B5.

If the participant's dominant hand is affected by one or more of the conditions listed on page 6 of the guidelines, DO NOT TEST and complete only B5.

a. If NO, was it due to: GRIPN_52
   - Cognitive impairment  \[\square\]  STOP TESTING
   - Other reason  \[\square\]  Specify: __GRTPB_52

Specify: __GRGPPB_52
B7. First try: TRY1PB_52

B8. Second try: TRY2PB_52

B9. Third try: TRY3PB_52

PLEASE DO NOT WRITE IN THIS AREA

SERIAL #