Next I would like to ask {you/SP} to try to perform a few simple movements, that is to move {your/[his/her]} body in different ways. Before we start, I need to ask a few questions.

PRESS 1 AND ENTER TO CONTINUE

---

**PE1**

**PE1PRE**

**QUESTION TEXT:**

Which hand {do you/does SP} use to sign {your/[his/her]} name?

**CODES**

1. LEFT
2. RIGHT
3. BOTH
   - REFUSED
   - DON’T KNOW

**PROGRAMMER INSTRUCTIONS:**

If PE1 = 1, set LEFTHANDED flag = 1 (yes).
If PE1 = 2, set RIGHTHANDED flag = 1 (yes).
If PE1 = 3, set EITHERHANDED flag = 1 (yes).

---

**PE2**

**PE2surghdwrt**

**R2 PE2 HAVE SURGERY TO HAND WRIST**

**DISPLAY INSTRUCTIONS:**

Display "in the last 3 months" in bold underlined text.

**QUESTION TEXT:**

In the last 3 months, that is since \{MONTH AND YEAR 3 MONTHS PRIOR TO TODAY'S DATE\}, \{have you/has SP\} had surgery or a serious injury on {your/[his/her]} hand or wrist?

**CODES**

1. YES
2. NO
3. REFUSED
   - DON’T KNOW
   - PE4

---

**PE3**

**PE2surgyside**

**R2 PE3 WHICH SIDE WAS SURGERY**

**QUESTION TEXT:**

Which side was that (surgery or serious injury on {your/SP's} hand or wrist)? Was it the left side or right side?

**CODES**

---
### PROGRAMMER INSTRUCTIONS:

- If PE3 = 1 (left hand/wrist surgery), set LEFTGRIPTEST flag = 2 (no).
- If PE3 = 2 (right hand/wrist surgery), set RIGHTGRIPTEST flag = 2 (no).
- If PE3 = 3 (both hands/wrists surgery), set LEFTGRIPTEST flag = 2 (no) and RIGHTGRIPTEST flag = 2 (no).

#### PE4

**pe2flrupain**

R2 PE4 EXPER FLARE UP PAIN HAND

**DISPLAY INSTRUCTIONS:**

Display "currently" in bold underlined text.

**QUESTION TEXT:**

{Are you/Is SP} currently experiencing a flare-up of pain in either hand or wrist?

**CODES**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>YES</th>
<th>NO</th>
<th>REFUSED</th>
<th>PE6</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
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<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### PE5

**pe2sideflrup**

R2 PE5 SIDE CURRNT FLARE UP PAIN

**DISPLAY INSTRUCTIONS:**

Display "current" in bold underlined text.

**QUESTION TEXT:**

Which side is that current flare-up of pain in {your/SP's} hand or wrist? Is it the left side or right side?

**CODES**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>LEFT SIDE</th>
<th>RIGHT SIDE</th>
<th>BOTH SIDES</th>
<th>PE8</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
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<td></td>
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<td></td>
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</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**PROGRAMMER INSTRUCTIONS:**

- If PE5 = 1 (left hand/pain flare up), set LEFTGRIPTEST flag = 2 (no).
- If PE5 = 2 (right hand/pain flare up), set RIGHTGRIPTEST flag = 2 (no).
- If PE5 = 3 (both hands/pain flare ups), set LEFTGRIPTEST flag = 2 (no) and RIGHTGRIPTEST flag = 2 (no).

#### PE6

**pe2surgarmsh**

R2 PE6 SURGERY ARM OR SHOULDER

**DISPLAY INSTRUCTIONS:**

Display "In the last 3 months" in bold underlined text.

**QUESTION TEXT:**

In the last 3 months, that is since {MONTH AND YEAR 3 MONTHS PRIOR TO TODAY'S DATE},

---

**Note:**

- PE8
- NHATS Round 2 :: PE
- 04/08/2019
you/have SP} had surgery or a serious injury on {your/his/her} arm or shoulder

**CODES**

<table>
<thead>
<tr>
<th></th>
<th>YES</th>
<th>PE8</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>NO</td>
<td>PE8</td>
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<tr>
<td>3</td>
<td>REFUSED</td>
<td>PE8</td>
</tr>
<tr>
<td></td>
<td>DON'T KNOW</td>
<td>PE8</td>
</tr>
</tbody>
</table>

**PE7**

**pe2sidsurgar**

R2 PE7 SIDE SURGERY ARM OR SHLDR

**QUESTION TEXT:**
Which side was that (surgery or serious injury on {your/SP's} arm or shoulder)? Was it the left side or right side?

**CODES**

<table>
<thead>
<tr>
<th></th>
<th>LEFT SIDE</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>RIGHT SIDE</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>BOTH SIDES</td>
<td></td>
</tr>
<tr>
<td></td>
<td>REFUSED</td>
<td>BOX PE11</td>
</tr>
<tr>
<td></td>
<td>DON'T KNOW</td>
<td>BOX PE11</td>
</tr>
</tbody>
</table>

**PROGRAMMER INSTRUCTIONS:**
If PE7 = 1 (left arm/shoulder surgery), set LEFTIRIPTEST flag = 2 (no).
If PE7 = 2 (right arm/shoulder surgery), set RIGHTIRIPTEST flag = 2 (no).
If PE7 = 3 (both arms/shoulders surgery), set LEFTIRIPTEST flag = 2 (no) and RIGHTIRIPTEST flag = 2 (no).

**PE8**

**pe2surgeryhips**

R2 PE8 SURG HIPS IN CLUD REPLCMNT

**DISPLAY INSTRUCTIONS:**
Display "In the last 3 months" in bold underlined text.

**QUESTION TEXT:**
In the last 3 months, that is since {MONTH AND YEAR 3 MONTHS PRIOR TO TODAY'S DATE}, {have you/have SP} had surgery or a serious injury on {your/his/her} hips (including hip replacement surgery)?

**CODES**

<table>
<thead>
<tr>
<th></th>
<th>YES</th>
<th>BOX PE11</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
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<td></td>
</tr>
<tr>
<td>2</td>
<td>NO</td>
<td>BOX PE11</td>
</tr>
<tr>
<td>3</td>
<td>REFUSED</td>
<td>BOX PE11</td>
</tr>
<tr>
<td></td>
<td>DON'T KNOW</td>
<td></td>
</tr>
</tbody>
</table>

**PE9**

**pe2sidhipsrg**

R2 PE9 SIDE WAS HIP SURGERY ON

**QUESTION TEXT:**
Was that (surgery or serious injury on {your/SP's} hips) only on one side or on both sides?

**CODES**

<table>
<thead>
<tr>
<th></th>
<th>ONE SIDE</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>BOTH SIDES</td>
<td></td>
</tr>
<tr>
<td></td>
<td>REFUSED</td>
<td></td>
</tr>
</tbody>
</table>
DON’T KNOW

PROGRAMMER INSTRUCTIONS:
If PE9 = 2 (both hips surgery), set CHAIRSTANDS flag = 2 (no).

BOX PE11

If MO24 = 1 (always uses mobility device to get out of bed) or MO26 = 4 (never got out of bed by self), go to PE11.
Otherwise go to BOX PE13.

PE11

pe2stndwhol
R2 PE11 STAND WITHOUT HOLDING ON

DISPLAY INSTRUCTIONS:
Display "stand without holding onto anyone or anything" in bold underlined text.

QUESTION TEXT:
For a few of the body movements, I will ask [you/SP] to stand without holding onto anyone or anything. I can help [you/[him/her]] get up if [you/[he/she]] would like me to. [Are you/Is SP] able to try this?

CODES
1 YES
2 NO
REFUSED
DON’T KNOW

PROGRAMMER INSTRUCTIONS:
If PE11 = 2 (not able to stand without holding on to anyone/anything), set BALANCESTANDS flag = 2 (no).

BOX PE12

If CHAIRSTANDS flag = 2 (NO), go to PE13.
Otherwise, go to PE12.

PE12

pe2upchbyself
R2 PE12 GET UP OUT CHAIR BY SELF

DISPLAY INSTRUCTIONS:
Display "without" and "by {yourself/[himself/herself]}" in bold underlined text.
If CANE flag = 1 (yes) or WALKER flag = 1 (yes), display “and without {your/[his/her]} {cane/walker/cane or walker}”.

If CANE flag = 1 (yes) and WALKER flag is null, display “cane”.
If WALKER flag = 1 (yes) and CANE flag is null, display “walker”.
If CANE flag = 1 (yes) and WALKER flag = 1 (yes), display “cane or walker”.

QUESTION TEXT:
I will also ask [you/SP] to get up out of a chair by {yourself/[himself/herself]}/and without {your/[his/her]} {cane/walker/cane or walker}. [Are you/Is SP] able to try this?

CODES
**PROGRAMMER INSTRUCTIONS:**

If PE12 = 2 (unable to try getting up from chair without mobility devices/help), set CHAIRSTANDS flag = 2 (no).

**BOX PE13**

If MO15 = 1 (used wheelchair every time to get around home/building) or MO16 = 1 (used scooter every time to get around home/building) set WALKING COURSE flag = no (2) and go to PE14.

Otherwise go to PE13.

**PE13**

**DISPLAY INSTRUCTIONS:**

Display "walk a short distance in this room by {yourself/[himself/herself]}" in bold underlined text.

If MO13 = 1, 2, 3, or 4 (used cane every time, most times, sometimes, or rarely when walking around inside) or MO14 = 1, 2, 3, or 4 (used walker every time, most times, sometimes, or rarely when walking around inside), display "[You/[He/She]] may use [your/[his/her]] {cane/walker/cane or walker} if [you feel/[he/she] feels} {you need/[he/she] needs} it to walk a short distance."

If MO13 = 1, 2, 3, or 4 and MO14 ≠ 1, 2, 3, or 4, display □cane□.

If MO13 = 1, 2, 3, or 4 and MO13 ≠ 1, 2, 3, or 4, display □walker□.

If MO13 = 1, 2, 3, or 4 and if MO14 = 1, 2, 3, or 4, display "cane or walker".

**QUESTION TEXT:**

I will (also) be asking {you/SP} to walk a short distance in this room by {yourself/[himself/herself]}. {{You/[He/She]} may use [your/[his/her]] {cane/walker/cane or walker} if [you feel/[he/she] feels} {you need/[he/she] needs} it to walk a short distance.} {Are you/Is SP} able to try this?

**CODES**

<table>
<thead>
<tr>
<th>1</th>
<th>YES</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>NO</td>
</tr>
<tr>
<td></td>
<td>REFUSED</td>
</tr>
<tr>
<td></td>
<td>DON’T KNOW</td>
</tr>
</tbody>
</table>

**PROGRAMMER INSTRUCTIONS:**

If PE13 = 2 (unable to walk short distance), set WALKINGCOURSE flag = 2 (no).

**PE14**

**DISPLAY INSTRUCTIONS:**

Display "ACTIVITIES TO SET UP AND DEMONSTRATE" in bold text.

Display grid with 7 rows and 3 columns.

In R1C1, use null display.

In R1C2, display "ACTIVITY" in bolded text.

In R1C3, display "ADMINISTER" in bolded text.

In R2C1, display “1.”.
In R2C2, display “BALANCE STANDS”.
In R2C3, if BALANCESTANDS flag = 2 (no), set BALANCESTANDSELIG flag = 2 (NO), and display “NO”.
Otherwise, set BALANCESTANDSELIG flag = 1 (YES), and display “YES”.

In R3C1, display “2.”.
In R3C2, display “WALKING COURSE”.
In R3C3, if WALKINGCOURSE flag = 2 (no), set WALKINGCOURSESELIG flag = 2 (NO), and display “NO”.
Otherwise, set WALKINGCOURSESELIG flag = 1 (YES), and display “YES”.

In R4C1, display “4.”.
In R4C2, use null display. In R4C3:
If WALKINGCOURSESELIG flag = 1 (YES) and [MO13 = 2, 3, or 4 (used cane most times, sometimes, or rarely inside) or MO14 = 2, 3, or 4 (used walker most times, sometimes, or rarely inside)], set AIDUSAGE flag = 2 (SOMETIMES), and display “B. SOMETIMES USES CANE/WALKER AROUND HOME”.
Else, if WALKINGCOURSESELIG flag = 1 (YES) and [MO13 = 1 (used cane every time inside) or MO14 = 1 (used walker every time inside)], set AIDUSAGE flag = 3 (ALWAYS), and display “C. ALWAYS USES CANE/WALKER AROUND HOME”.
Otherwise, if WALKINGCOURSESELIG flag = 1 (YES), set AIDUSAGE flag = 1 (NEVER), and display “A. DOESN’T USE CANE/WALKER AROUND HOME”.

In R5C1, display “3.”.
In R5C2, display “CHAIR STANDS”.
In R5C3, if CHAIRSTANDS flag = 2 (no), set CHAIRSTANDSELIG flag = 2 (NO), and display “NO”.
Otherwise, set CHAIRSTANDSELIG flag = 1 (YES), and display “YES”.

In R6C1, display “4.”.
In R6C2, display “GRIP STRENGTH”.
In R6C3:
If LEFTGRIPTEST flag = 2 (no) and RIGHTGRIPTEST flag = 2 (no), set GRIPSTRENGTHSELIG flag = 3 (NO), and display "NO".
Else if LEFTGRIPTEST flag = 2 (no) and RIGHTGRIPTEST flag NE 2 (no), set GRIPSTRENGTHSELIG flag = 1 (YES RIGHT), and display "YES RIGHT".
Else if LEFTGRIPTEST flag NE 2 (no) and RIGHTGRIPTEST flag = 2 (no), set GRIPSTRENGTHSELIG flag = 2 (YES LEFT), and display "YES LEFT".
Else if [LEFTGRIPTEST flag NE 2 (no) and RIGHTGRIPTEST flag NE 2 (no)] and [LEFTHANDED flag = 1 (YES)], set GRIPSTRENGTHSELIG flag = 2 (YES LEFT), and display "YES LEFT".
Otherwise, set GRIPSTRENGTHSELIG flag = 1 (YES RIGHT), and display "YES RIGHT".

Display “TRANSFER INFORMATION TO FRONT PAGE OF ACTIVITIES BOOKLET”
Display “AFTER ACTIVITIES ARE COMPLETED, PRESS 1 AND ENTER TO CONTINUE”

**QUESTION TEXT:**

<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>ADMINISTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. BALANCE STANDS</td>
<td>{YES/NO}</td>
</tr>
<tr>
<td>2. WALKING COURSE</td>
<td>{YES/NO}</td>
</tr>
<tr>
<td></td>
<td>{A. DOESN’T USE CANE/WALKER AROUND HOME/</td>
</tr>
<tr>
<td></td>
<td>B. SOMETIMES USES CANE/WALKER AROUND HOME/</td>
</tr>
<tr>
<td></td>
<td>C. ALWAYS USES CANE/WALKER AROUND HOME}</td>
</tr>
<tr>
<td>3. CHAIR STANDS</td>
<td>{YES/NO}</td>
</tr>
<tr>
<td>4. GRIP STRENGTH</td>
<td>{YES RIGHT/YES LEFT/NO}</td>
</tr>
</tbody>
</table>

TRANSFER INFORMATION TO FRONT PAGE OF ACTIVITIES BOOKLET
AFTER ACTIVITIES ARE COMPLETED, PRESS 1 AND ENTER TO CONTINUE

PE15

NOT ON FILE

QUESTION TEXT:
I will (also) be asking {you/SP} to walk a short distance in this room by {yourself/himself/herself}. {{You/(He/She)} may use {your/(his/her)} cane/walker/cane or walker} if {you feel/(he/she) feels} {you need/(he/she) needs} it to walk a short distance.} {Are you/IS SP} able to try this?

PROGRAMMER INSTRUCTIONS:
Go to Section HW – Height & Weight

<table>
<thead>
<tr>
<th>Flag Variables Set in PE Section</th>
</tr>
</thead>
<tbody>
<tr>
<td>fl2lefthand</td>
</tr>
<tr>
<td>fl2righthand</td>
</tr>
<tr>
<td>fl2eieitherhand</td>
</tr>
<tr>
<td>fl2lftgrptst</td>
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<td>fl2rhtgrptst</td>
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<td>fl2wlkingrse</td>
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