**NHATS Round 9**

<table>
<thead>
<tr>
<th>Section</th>
<th>PE</th>
<th>[PERFORMANCE]</th>
<th>Sequence: 28</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE1PRE</td>
<td>PE1PRE</td>
<td>NOT ON FILE</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>PE1</th>
<th>pe9whhnsign</th>
<th>R9 PE1 HAND USE TO SIGN YOR NAME</th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th>CODES</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>LEFT</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>RIGHT</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>BOTH</td>
<td>REFUSED</td>
</tr>
<tr>
<td></td>
<td>DON’T KNOW</td>
<td></td>
</tr>
</tbody>
</table>

**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).

<table>
<thead>
<tr>
<th>PE2</th>
<th>pe9surghdwr</th>
<th>R9 PE2 HAVE SURGURY TO HAND WRIST</th>
</tr>
</thead>
</table>

**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?

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

<table>
<thead>
<tr>
<th>PE3</th>
<th>pe9surgysid</th>
<th>R9 PE3 WHICH SIDE WAS SURGERY</th>
</tr>
</thead>
</table>

**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?

<table>
<thead>
<tr>
<th>CODES</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>LEFT SIDE</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>RIGHT SIDE</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>BOTH SIDES</td>
<td>REFUSED</td>
</tr>
<tr>
<td></td>
<td>DON’T KNOW</td>
<td></td>
</tr>
</tbody>
</table>
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
pe9flrppain R9 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></th>
<th>YES</th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td>2</td>
<td></td>
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</tbody>
</table>

PE5
pe9sideflrup R9 PE5 SIDE CURRENT 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></th>
<th>LEFT SIDE</th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>BOTH SIDES</td>
<td></td>
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</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
pe9surgarmsh R9 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}, {have you/has SP} had surgery or a serious injury on {your/[his/her]} arm or shoulder

CODES

<table>
<thead>
<tr>
<th></th>
<th>YES</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
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</tbody>
</table>

NHATS Round 9 :: PE
January 2020
**PE7**

**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**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>LEFT SIDE</td>
</tr>
<tr>
<td>2</td>
<td>RIGHT SIDE</td>
</tr>
<tr>
<td>3</td>
<td>BOTH SIDES</td>
</tr>
<tr>
<td></td>
<td>REFUSED</td>
</tr>
<tr>
<td></td>
<td>DON’T KNOW</td>
</tr>
</tbody>
</table>

**PROGRAMMER INSTRUCTIONS:**

If PE7 = 1 (left arm/shoulder surgery), set LEFTGRIPTEST flag = 2 (no).
If PE7 = 2 (right arm/shoulder surgery), set RIGHTGRIPTEST flag = 2 (no).
If PE7 = 3 (both arms/shoulders surgery), set LEFTGRIPTEST flag = 2 (no) and RIGHTGRIPTEST flag = 2 (no).

**PE8**

**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]} hips (including hip replacement surgery)?

**CODES**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>YES</td>
</tr>
<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>

**BOX PE11**

**NOT ON FILE**

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**

**pe9stdwhold**

R9 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/other} get up if {you/other} would like me to. {Are you/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**

**BOX PE12**

NOT ON FILE

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

**PE12**

**pe9upcbyslf**

R9 PE12 GET UP OUT CHAIR BY SELF

**DISPLAY INSTRUCTIONS:**

Display "without" and "by {yourself/other}" in bold underlined text.

If CANE flag = 1 (yes) or WALKER flag = 1 (yes), display “and without {your/other} {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/other} {without} {your/other} {cane/walker/cane or walker}. {Are you/SP} able to try this?

**CODES**

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

**PROGRAMMER INSTRUCTIONS:**

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

**BOX PE13**

**BOX PE13**

NOT ON FILE

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.
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 MO14 = 1,2,3, or 4 and MO13 ≠ 1,2,3, or 4, display "walker".

Otherwise, if WALKINGCOURSELIG flag = 1 (YES), set AIDUSAGE flag = 1 (NEVER), and display "A. DOESN'T USE HOME".

Otherwise, if MO13 = 1,2,3, or 4 and MO14 = 2, 3, or 4 (used walker most times, sometimes, or rarely inside), set AIDUSAGE flag = 3 (ALWAYS), and display "C. ALWAYS USES CANE/WALKER AROUND HOME".

Otherwise, if MO14 = 1,2,3, or 4 and MO13 = 1 (used cane most times, sometimes, or rarely inside), set AIDUSAGE flag = 2 (SOMETIMES), and display "B. SOMETIMES USES CANE/WALKER AROUND HOME".

In R4C2, set AIDUSAGE flag = 1 (YES), and display "YES".

WALKING COURSE

In R3C2, display "WALKING COURSE".

In R3C3, if BALANCESTANDSELIG flag = 2 (NO), set BALANCESTANDSELIG flag = 2 (NO), and display "NO".

Otherwise, set BALANCESTANDSELIG flag = 1 (YES), and display "YES".

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 R1C3, use null display.

In R1C2, use null display.

In R1C1, display "ACTIVITIES TO SET UP AND DEMONSTRATE” in bolded 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 “4.”.

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, use null display.

In R4C2, use null display.

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 HOME”.

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

1 YES
2 NO
REFUSED
DON’T KNOW

PROGRAMMER INSTRUCTIONS:

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

---

PE14

NOT ON FILE

DISPLAY INSTRUCTIONS:

Display "ACTIVITIES TO SET UP AND DEMONSTRATE” in bolded 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 “4.”.

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, use null display.

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 HOME”.

---
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

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**PE15**

**QUESTION TEXT:**

REMEMBER TO AFFIX SP ID LABEL AND WRITE YOUR INTERVIEWER ID AND DATE ON ACTIVITIES BOOKLET COVER.

PRESS 1 AND ENTER TO CONTINUE

**PROGRAMMER INSTRUCTIONS:**

Go to Section HW – Height & Weight
<table>
<thead>
<tr>
<th>Flag Variables Set in PE Section</th>
</tr>
</thead>
<tbody>
<tr>
<td>fl9lefthand</td>
</tr>
<tr>
<td>fl9righthand</td>
</tr>
<tr>
<td>fl9eierhand</td>
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