### NHATS Round 7

**Section PE** [PERFORMANCE]  
**Sequence: 28**

**CODES**

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

**PROGRAMMER INSTRUCTIONS:**

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

**PE1**

**pe7whnds**  
**R7 PE1 HAND USE TO SIGN YOUR NAME**

**QUESTION TEXT:**

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

**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**

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

**PE2**

**pe7surghdwrt**  
**R7 PE2 HAVE SURGERY TO HAND WRIST**

**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**

<table>
<thead>
<tr>
<th>CODE</th>
<th>DESCRIPTION</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>
</tbody>
</table>
DON'T KNOW

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 | pe7flrupain | R7 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>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>NO</td>
</tr>
<tr>
<td>3</td>
<td>REFUSED</td>
</tr>
<tr>
<td></td>
<td>DON'T KNOW</td>
</tr>
</tbody>
</table>

| PE5 | pe7sideflrup | R7 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>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></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 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 | pe7surgarmsh | R7 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/their} arm or shoulder

CODES

<table>
<thead>
<tr>
<th></th>
<th>YES</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>NO</td>
</tr>
<tr>
<td></td>
<td>REFUSED</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>PE8</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NHATS Round 7 :: PE
4/8/2019
PE7  pe7sidsurgar  R7 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**
1  LEFT SIDE
2  RIGHT SIDE
3  BOTH SIDES
   REFUSED
   DON’T KNOW

**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  pe7surgeryhps  R7 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/has SP} had surgery or a serious injury on {your/[his/her]} hips (including hip replacement surgery)?

**CODES**
1  YES
2  NO
   BOX PE11
   REFUSED
   DON’T KNOW

PE9  pe7sidhipsrg  R7 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**
1  ONE SIDE
2  BOTH SIDES
   REFUSED
   DON’T KNOW

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

BOX PE11  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**

pe7stdndwhld

R7 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

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**

pe7upchbyslf

R7 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

1 YES
2 NO

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
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\} feel\{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”.
If MO13 = 1,2,3, or 4 and 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\} feel\{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

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

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

In R4C1, use null display.
In R4C2, use null display. In R4C3:
If WALKINGCOURSELIG 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”.

Otherwise go to PE13.
Else, if WALKINGCOURSE flag = 1 (YES) and [MO13 = 1 (used cane every time inside) or MO14 = 1 (used walker every time inside)], set AIDUSAGE flag = 1 (NEVER), and display “A. DOESN’T USE CANE/WALKER AROUND HOME”.

Otherwise, if WALKINGCOURSE 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 CHAIRSTANDS flag = 2 (NO), and display “NO”.
Otherwise, set CHAIRSTANDS 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 GRIPSTRENGTH flag = 3 (NO), and display “NO”.
Else if LEFTGRIPTEST flag = 2 (NO) and RIGHTGRIPTEST flag = 2 (YES), set GRIPSTRENGTH flag = 1 (YES RIGHT), and display “YES RIGHT”.
Else if LEFTGRIPTEST flag = 2 (NO) and RIGHTGRIPTEST flag = 2 (NO), set GRIPSTRENGTH flag = 3 (NO), and display “NO”.
Else if LEFTGRIPTEST flag = 2 (NO) and RIGHTGRIPTEST flag = 2 (NO), set GRIPSTRENGTH flag = 3 (NO), and display “NO”.
Otherwise, set CHAIRSTANDS flag = 2 (NO), and display “NO”.

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

**ACTIVITIES TO SET UP AND DEMONSTRATE**

<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**
## Flag Variables Set in PE Section

<table>
<thead>
<tr>
<th>Flag Variable</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>fl7lefthand</td>
<td>R7 F PE CAN SP DO LEFT HAND TEST</td>
</tr>
<tr>
<td>fl7righthand</td>
<td>R7 F PE CAN SP DO RGT HAND TEST</td>
</tr>
<tr>
<td>fl7eiherhand</td>
<td>R7 F PE CAN SP DO EITHR HAND TST</td>
</tr>
<tr>
<td>fl7lfgrptst</td>
<td>R7 F PE CAN SP DO LFT GRIP TEST</td>
</tr>
<tr>
<td>fl7rhtgrptst</td>
<td>R7 F PE CAN SP DO RIGHT GRIP TEST</td>
</tr>
<tr>
<td>fl7charstnds</td>
<td>R7 F PE CAN SP DO CHAIR STANDS</td>
</tr>
<tr>
<td>fl7balstnds</td>
<td>R7 F PE CAN SP DO BALANCE STANDS</td>
</tr>
<tr>
<td>fl7wlkingrse</td>
<td>R7 F PE CAN SP DO WALKING COURSE</td>
</tr>
</tbody>
</table>