BIMS, SLP Comorbidities, and Section K

Quick Review of PDPM and SLP

PDPM ST

- For the SLP component, PDPM uses 5 patient characteristics that were predictive of increased cost for resident care:

- Acute Neurologic clinical classification/ diagnosis

- Certain SLP-related co-morbidities

- Presence of cognitive impairment

- Use of a mechanically-altered diet

- Presence of swallowing disorder

SLP Characteristics Put Together

- **YES/NO**
- **Acute Neuro**
- **SLP Comorbidity**
- **Cognitive Impairment**
- **Total of 0-3**

- **YES/NO**
- **Mechanically Altered Diet**
- **Swallowing Disorder**
- **Total of 0-2**

Presence of: • Acute Neurologic Condition • SLP Related Comorbidity • Cognitive Impairment	Presence of: • Mechanically Altered Diet • Swallowing Disorder	SLP Case Mix Group	SLP Case Mix Index
None	Neither	SA	0.68
None	Either	SB	1.82
None	Both	SC	2.66
Any One	Neither	SD	1.46
Any One	Either	SE	2.33
Any One	Both	SF	2.97
Any Two	Neither	SG	2.04
Any Two	Either	SH	2.85
Any Two	Both	SI	3.51
All Three	Neither	SJ	2.98
All Three	Either	SK	3.69
All Three	Both	SL	4.19

COGNITIVE STATUS

• A resident's cognitive status is assessed using the Brief Interview for Mental Status (BIMS):

• In cases where the BIMS cannot be completed, providers are required to perform a Staff Assessment for Mental Status

- When the BIMS cannot be completed we **MUST** communicate this to the **PM and Social Worker**.
- Social Workers will administer the Staff Assessment for Mental Status

COGNITIVE STATUS for PDPM

- **BIMS SCORES:**

  - **COGNITIVE IMPAIRMENT: 12 or Less**

WHO ADMINISTERS THE BIMS

- In the past, the Social Worker administered the BIMS
- With PDPM, cognition is an important component for the SLP case mix group.
- Therapy will be administering the BIMS with PDPM
  - SLPs
  - OTRs

MDS and RAI

- BIMS is part of a federally mandated **comprehensive assessment** that is completed at all Medicare and Medicaid certified nursing homes.

- This comprehensive assessment is named the **MDS** or Minimum Data Set.

- The **RAI manual**, or the Resident Assessment Instrument, provides the instructions for completing the MDS assessment.

MDS Sections

- MDS assessment is divided into sections.
- The sections are labeled alphabetically, for example:
  - Section A
  - Section B
  - Section C …

Section C: Cognitive Assessment

Section K: Swallowing and Nutrition Assessment

Information on the MDS

- Information on the MDS comes from documentation in the chart.
- Documentation must be entered accurately and timely to be used on the MDS assessment.

Time Periods for Administering the BIMS

- The admission MDS assessment can be scheduled between day 1 through day 8.
  - Day 1: The day the resident admitted to the building.
  - Day 8: The resident's 8th day in the building.
- The BIMS score can only be used if it is **within a 7-day window prior to** the MDS assessment date (**ARD**).
- Example:
  - If the assessment date, ARD, is set for day 8, the BIMS can be administered on days 2-8.

Multiple BIMS Administered

When multiple BIMS are administered during the 7-day window, the one **closest** to the MDS assessment date must be used.

Example: Day 8 ARD

Two BIMS were administered

- Day 2: BIMs administered with a score of Cognitively Impaired.
- Day 6: BIMS administered with a score of Cognitively Intact.
- Day 8: MDS Assessment must use the BIMS administered on Day 6.

BIMS:
Brief Interview for Mental Status

Administration and Scoring

MDS SECTION C

C0100-C0500

- Repetition
- Orientation
- Recall

Resident _____ Identifier _____ Date _____

Section C	Cognitive Patterns

C0100. Should Brief Interview for Mental Status (C0200-C0500) be Conducted?
Attempt to conduct interview with all residents

Enter Code ☐
- 0. **No** (resident is rarely/never understood) ➔ Skip to and complete C0700-C1000, Staff Assessment for Mental Status
- 1. **Yes** ➔ Continue to C0200, Repetition of Three Words

Brief Interview for Mental Status (BIMS)

C0200. Repetition of Three Words

Enter Code ☐
Ask resident: *"I am going to say three words for you to remember. Please repeat the words after I have said all three. The words are: **sock, blue, and bed.** Now tell me the three words."*

Number of words repeated after first attempt
- 0. **None**
- 1. **One**
- 2. **Two**
- 3. **Three**

After the resident's first attempt, repeat the words using cues ("*sock, something to wear; blue, a color; bed, a piece of furniture*"). You may repeat the words up to two more times.

C0300. Temporal Orientation (orientation to year, month, and day)

Enter Code ☐
Ask resident: *"Please tell me what year it is right now."*
A. Able to report correct year
- 0. **Missed by > 5 years** or no answer
- 1. **Missed by 2-5 years**
- 2. **Missed by 1 year**
- 3. **Correct**

Enter Code ☐
Ask resident: *"What month are we in right now?"*
B. Able to report correct month
- 0. **Missed by > 1 month** or no answer
- 1. **Missed by 6 days to 1 month**
- 2. **Accurate within 5 days**

Enter Code ☐
Ask resident: *"What day of the week is today?"*
C. Able to report correct day of the week
- 0. **Incorrect** or no answer
- 1. **Correct**

C0400. Recall

Enter Code ☐
Ask resident: *"Let's go back to an earlier question. What were those three words that I asked you to repeat?"*
If unable to remember a word, give cue (something to wear; a color; a piece of furniture) for that word.
A. Able to recall "sock"
- 0. **No** - could not recall
- 1. **Yes, after cueing** ("something to wear")
- 2. **Yes, no cue required**

Enter Code ☐
B. Able to recall "blue"
- 0. **No** - could not recall
- 1. **Yes, after cueing** ("a color")
- 2. **Yes, no cue required**

Enter Code ☐
C. Able to recall "bed"
- 0. **No** - could not recall
- 1. **Yes, after cueing** ("a piece of furniture")
- 2. **Yes, no cue required**

C0500. BIMS Summary Score

Enter Score ☐☐
Add scores for questions C0200-C0400 and fill in total score (00-15)
Enter 99 if the resident was unable to complete the interview

Guidelines for Sections C

Basic Interview Guidelines for Section C

- Resident's preferred language.
  - If the resident needs or wants an interpreter, complete the interview with an interpreter.
    - Includes residents who use American Sign Language (ASL).
- If the resident appears unable to communicate, offer alternatives such as writing, pointing, sign language, or cue cards.

Basic Interview Guidelines (continued)

- Be sure he or she can hear you and/or has access to his or her preferred method for communication.

  - Residents with hearing impairment should be tested using their usual communication devices/techniques, as applicable.

  - Try an external assistive device (headphones or hearing amplifier) if you have any doubt about hearing ability.

  - Minimize background noise.

C0100: Should Brief Interview for Mental Status Be Conducted?

C0100. Should Brief Interview for Mental Status (C0200-C0500) be Conducted?
Attempt to conduct interview with all residents

Enter Code [ ]

0. **No** (resident is rarely/never understood) → Skip to and complete C0700-C1000, Staff Assessment for Mental Status
1. **Yes** → Continue to C0200, Repetition of Three Words

Following the interview guidelines:

1. Interact with the resident using his or her preferred language.

2. Determine if the resident is rarely/never understood verbally, in writing, or using another method.

3. If the resident needs or wants an interpreter, complete the interview with an interpreter.

C0100 Coding Instructions

Code 0, No:

- if the interview **should not** be conducted because the resident is rarely/never understood; cannot respond verbally, in writing, or using another method; or an interpreter is needed but not available.

  *Notify the therapy Program Manager and Social Worker

Code 1, Yes:

- if the interview **should** be conducted because the resident is at least sometimes understood verbally, in writing, or using another method, and if an interpreter is needed, one is available. Proceed to C0200, Repetition of Three Words.

Administering and Coding the BIMS:
C0200 to C0500

Additional Interview Guidelines

In addition to guidelines for C0100...

- Directly ask the resident **each item** in C0200 through C0400 at **one sitting and in the order provided**.

- If the resident chooses not to answer a particular item, accept his or her refusal and move on to the next questions.

- **For C0200 through C0400, code refusals as incorrect.**

Coding Nonsensical Responses

- **DEFINITION NONSENSICAL RESPONSE**: Any response that is unrelated, incomprehensible, or incoherent; it is not informative with respect to the item being rated.

- Nonsensical responses should be coded as **zero**.

Practice scoring : Nonsensical and Incorrect

RAI examples

Question # 1:

1. The year is 2019. Interviewer asks resident to state the year. The resident replies that it is 1935.

- This answer is incorrect but related to the question.
- **Coding:** This answer is coded **0**, incorrect but would **NOT** be considered a nonsensical response.
- **Rationale:** The answer is **wrong**, but it is **logical** and relates to the question.

2. Interviewer asks the resident to name the day of the week. Resident answers, "Sylvia, she's my daughter."

How would you code the answer?

Answer: Question # 2
Nonsensical

- **Coding:** The answer is **coded 0, incorrect;** the response is **illogical and nonsensical.**
- **Rationale:** The answer is wrong, and the resident's comment clearly does not relate to the question; it is nonsensical.

When to Stop the Interview

Stop the interview after completing (C0300) "Day of the Week" if:

- 1. **all responses have been nonsensical** (i.e., any response that is unrelated, incomprehensible, or incoherent; not informative with respect to the item being rated),

- **OR** 2. there has been **no verbal or written response to any of the questions** up to this point,

- **OR** 3. there has been no verbal or written response to some questions up to this point **and** for all others, the resident has given a nonsensical response.

If the Interview is Stopped, do the Following:

- 1. Code "-", dash in C0400A, C0400B, and C0400C.
- 2. Code 99 in the summary score in C0500.
- **3. *NOTIFY the therapy Program Manager <u>and</u> Social Worker***

Introduction Before Starting the BIMS

- Give an introduction before starting the interview. Suggested language:
  - "I would like to ask you some questions. We ask everyone these same questions. This will help us provide you with better care. Some of the questions may seem very easy, while others may be more difficult."
- If the resident expresses concern that you are testing his or her memory, he or she may be more comfortable if you reply:
  - "We ask these questions of everyone so we can make sure that our care will meet your needs."

C0200:
Repetition of Three Words

- Ask the resident the question. See handout.
- Score words repeated after **first** attempt.
- After resident's first attempt, repeat words using category cues.

Brief Interview for Mental Status (BIMS)

C0200. Repetition of Three Words

Enter Code ☐

Ask resident: *"I am going to say three words for you to remember. Please repeat the words after I have said all three. The words are: **sock, blue, and bed.** Now tell me the three words."*

Number of words repeated after first attempt

0. **None**
1. **One**
2. **Two**
3. **Three**

After the resident's first attempt, repeat the words using cues (*"sock, something to wear; blue, a color; bed, a piece of furniture"*). You may repeat the words up to two more times.

After the Resident's First Attempt to Repeat the Items:

- If the resident correctly stated all three words, say,
  - "That's right, the words are sock, something to wear; blue, a color; and bed, a piece of furniture" [category cues].

- If the resident recalled two or fewer words, say to the resident:
  - "Let me say the three words again. They are sock, something to wear; blue, a color; and bed, a piece of furniture. Now tell me the three words."

- If the resident still does not recall all three words correctly:
  - you may repeat the words and category cues one more time.

Does not Repeat all Three Words after Three Attempts:

- If the **resident does not repeat all three words** after three attempts, re-assess ability to hear.
  - If the resident can hear, move on to the next question.
  - If he or she is unable to hear, attempt to maximize hearing (alter environment, use hearing amplifier) before proceeding.

C0200: Coding Instructions

- Record the maximum number of words that the resident correctly repeated **on the first attempt**.
  - This will be any number between 0 and 3.
- The words may be recalled in any order and in any context.
  - For example, if the words are repeated back in a sentence, they would be counted as repeating the words.
- Do not score the number of repeated words on the second or third attempt.
  - These attempts help with learning the item, but only the number correct on the first attempt go into the total score.
- Do not record the number of attempts that the resident needed to complete.

Coding C0200, Repetition of 3 Words

- **Code 0, none:**
  - if the resident did not repeat any of the 3 words on the **first attempt**.
- **Code 1, one:**
  - if the resident repeated only 1 of the 3 words on the **first attempt**.
- **Code 2, two:**
  - if the resident repeated only 2 of the 3 words on the **first attempt**.
- **Code 3, three:**
  - if the resident repeated all 3 words on the **first attempt**.

C0200: Coding RAI Example #1

- The interviewer says, "The words are sock, blue, and bed. Now please tell me the three words." The resident replies, "Sock, bed, black."

- The interviewer repeats the three words plus the category cues, saying, "Let me say the three words again. They are sock, something to wear; blue, a color; and bed, a piece of furniture. Now tell me the three words." The resident says, "Oh yes, that's right, sock, blue, bed."

- What would you code?

- **Coding:** C0200 would be **coded 2**, two of three words correct.
- **Rationale:** The resident repeated two of the three items on the first attempt. Residents are scored based on the **first attempt**.

- The interviewer says, "The words are sock, blue, and bed. Now please tell me the three words." The resident says, "Blue socks belong in the dresser." The interviewer repeats the three words plus the category cues.

- What would you code?

- **Coding:** C0200 would be **coded 2**, two of the three words correct.
- **Rationale:** The resident repeated two of the three items—blue and sock. The resident put the words into a sentence, resulting in the resident repeating two of the three words.

- The interviewer says, "The words are sock, blue, and bed. Now please tell me the three words." The resident replies, "What were those three words?" The interviewer repeats the three words plus the category cues.

- What would you code?

- **Coding:** C0200 would be **coded 0**, none of the words correct.
- **Rationale:** The resident did not repeat any of the three words after the first time the interviewer said them.

C0300:
Temporal Orientation
(Orientation to Year, Month, and Day)

C0300
Temporal Orientation

Following the guidelines for C0100 and C0200:

1. Ask the resident each of the 3 questions in Item C0300A, CO300B, and C0300C **separately**.
2. Allow the resident **up to 30 seconds** for each answer and **do not provide clues**.
3. If the resident specifically asks for clues (e.g., "is it bingo day?") respond by saying, "I need to know if you can answer this question without any help from me."

	C0300. Temporal Orientation (orientation to year, month, and day)

Enter Code	Ask resident: "*Please tell me what year it is right now.*"
	A. Able to report correct year
	  0. **Missed by > 5 years** or no answer
	  1. **Missed by 2-5 years**
	  2. **Missed by 1 year**
	  3. **Correct**

Enter Code	Ask resident: "*What month are we in right now?*"
	B. Able to report correct month
	  0. **Missed by > 1 month** or no answer
	  1. **Missed by 6 days to 1 month**
	  2. **Accurate within 5 days**

Enter Code	Ask resident: "*What day of the week is today?*"
	C. Able to report correct day of the week
	  0. **Incorrect** or no answer
	  1. **Correct**

ABLE TO REPORT THE CORRECT YEAR

C0300A
Coding Instructions
Able to Report Correct Year

- **Code 0, missed by >5 years or no answer**: if the resident's answer is incorrect and is greater than 5 years from the current year or the resident chooses not to answer the item.

- **Code 1, missed by 2-5 years**: if the resident's answer is incorrect and is within 2 to 5 years from the current year.

- **Code 2, missed by 1 year**: if the resident's answer is incorrect and is within one year from the current year.

- **Code 3, correct**: if the resident states the correct year.

- **NOTE: the only correct answer is the exact year. For example, the resident must state "2011," not "'11".**

C0300A Coding RAI Example

- The date of interview is June 16, 2011. The resident, responding to the statement, "Please tell me what year it is right now," states that it is 2007.
  - What would you code?

- **Coding:** C0300A would be **coded 1, missed by 2-5 years**.

- **Rationale:** 2007 is within 2 to 5 years of 2011.

C0300B
Able to Report Correct Month

0300B
Coding Instructions

- **Count the current day as day 1** when determining whether the response was accurate within 5 days or missed by 6 days to 1 month.
- **Code 0, missed by >1 month or no answer:** if the resident's answer is incorrect by more than 1 month or if the resident chooses not to answer the item. •
- **Code 1, missed by 6 days to 1 month:** if the resident's answer is accurate within 6 days to 1 month. •
- **Code 2, accurate within 5 days:** if the resident's answer is accurate within 5 days, count current date as day 1.

C0300B Coding Tip

- In most instances, it will be immediately obvious which code to select. In some cases, you may need to write the resident's response in the margin and go back later to count days if you are unsure whether the date given is within 5 days.

- The date of interview is June 28, 2011. The resident, responding to the question, "What month are we in right now?" states that it is July.

What would you code?

- **Coding:** C0300B would be **coded 2, accurate within 5 days**.

- **Rationale:** The resident correctly stated the month within 5 days, even though the correct month is June. June 28th (day 1) + 4 more days is July 2nd, so July is within 5 days of the interview.

C0300B Coding RAI Example #2

- The date of interview is June 25, 2011. The resident, responding to the question, "What month are we in right now?" states that it is July.

- What would you code?

- **Coding:** C0300B would be **coded 1**, **missed by 6 days to 1 month**.

- **Rationale:** The resident missed the correct month by six days. June 25th (day 1) + 5 more days = June 30th. Therefore, the resident's answer is incorrect within 6 days to 1 month.

C0300C
Able to Report
Correct Day of the Week

C0300C
Coding Instructions

- **Code 0, incorrect, or no answer:** if the answer is incorrect or the resident chooses not to answer the item.

- **Code 1, correct:** if the answer is correct.

- The day of interview is Monday, June 25, 2011. The interviewer asks: "What day of the week is it today?" The resident responds, "It's Monday."

- What would you code?

Answer C0300C: Coding Example #1

- **Coding:** C0300C would be **coded 1, correct**.
- **Rationale:** The resident correctly stated the day of the week.

C0300C Coding Example #2

- The day of interview is Monday, June 25, 2011. The resident, responding to the question, "What day of the week is it today?" states, "Today is a good day."

- What would you code?

- **Coding:** C0300C would be coded 0, incorrect.
- **Rationale:** The resident did not answer the question correctly

C0400: Recall

C0400: Recall

Following the guidelines for C0100 and C0200:
1. Ask the resident the following: "Let's go back to an earlier question. What were those three words that I asked you to repeat?"
2. Allow **up to 5 seconds** for spontaneous recall of each word.
3. For any word that is not correctly recalled **after 5 seconds, provide a category cue**. Category cues should be used **only after** the resident is unable to recall one or more of the three words.
4. Allow **up to 5 seconds** after category cueing for each missed word to be recalled.

C0400. Recall

Ask resident: *"Let's go back to an earlier question. What were those three words that I asked you to repeat?"*
If unable to remember a word, give cue (something to wear; a color; a piece of furniture) for that word.

Enter Code
A. **Able to recall "sock"**
0. **No** - could not recall
1. **Yes, after cueing** ("something to wear")
2. **Yes, no cue required**

Enter Code
B. **Able to recall "blue"**
0. **No** - could not recall
1. **Yes, after cueing** ("a color")
2. **Yes, no cue required**

Enter Code
C. **Able to recall "bed"**
0. **No** - could not recall
1. **Yes, after cueing** ("a piece of furniture")
2. **Yes, no cue required**

C0400 Coding Instructions Recall

- **For each of the three words the resident is asked to remember:**
- **Code 0, no—could not recall**: if the resident cannot recall the word even after being given the category cue or if the resident responds with a nonsensical answer or chooses not to answer the item.
- **Code 1, yes, after cueing:** if the resident requires the category cue to remember the word.
- **Code 2, yes, no cue required:** if the resident correctly remembers the word spontaneously without cueing.

C0400 Coding Tips

- If on the first try (without cueing), the resident names multiple items in a category, one of which is correct, they should be coded as correct for that item.

- If, however, the interviewer gives the resident the cue and the resident then names multiple items in that category, the item is coded as could not recall, even if the correct item was in the list.

- The resident is asked to recall the three words. The resident replies, "Socks, shoes, and bed." The examiner then cues, "One word was a color." The resident says, "Oh, the shoes were blue."

- What would you code?

- **Coding: C0400A, sock**, would be **coded 2**, **yes, no cue required**.
  - Rationale: The resident's initial response to the question included "sock." He is given credit for this response, even though he also listed another item in that category (shoes), because he was answering the initial question, without cueing.
- **Coding: C0400B, blue**, would be **coded 1**, **yes, after cueing**.
  - Rationale: The resident did not recall spontaneously, but did recall after the category cue was given. Responses that include the word in a sentence are acceptable.
- **Coding: C0400C, bed**, would be **coded 2, yes, no cue required**.
  - Rationale: The resident independently recalled the item on the first attempt.

- The resident is asked to recall the three words. The resident says, "I don't remember." The assessor then says, "One word was something to wear." The resident says, "Hat, shirt, pants, socks, shoe, belt."
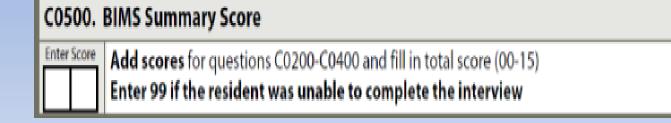
- What would you code?

- **Coding: C0400A, sock**, would be **coded 0, no—could not recall.**
- **Rationale:** After getting the category cue, the resident named more than one item (i.e., a laundry list of items) in the category. The resident's response is coded as incorrect, even though one of the items was correct, because the resident did not demonstrate recall and likely named the item by chance.

C0500:
BIMS Summary Score

C0500: BIMS Summary Score

After completing C0200-C0400:
1. Add up the values for all questions from C0200 through C0400.
2. Do not add up the score while you are interviewing the resident. Instead, focus your full attention on the interview.

C0500. BIMS Summary Score

Enter Score | **Add scores** for questions C0200-C0400 and fill in total score (00-15)
 | Enter 99 if the resident was **unable** to complete the interview

C0500
Coding Instructions

- Enter the total score as a two-digit number.

- The total possible BIMS score ranges from 00 to 15.

- If the resident chooses not to answer a specific question(s), that question is coded as incorrect and the item(s) counts in the total score.

- If, **however,** the resident chooses not to answer four or more items, then the interview is coded as incomplete and a staff assessment is completed. **Notify PM <u>and</u> Social Worker**

C0500 Coding Instructions (Continued) Unable to Complete Interview

- **Code 99, unable to complete interview:** if
  - (a) the resident chooses not to participate in the BIMS,
  - (b) if four or more items were coded 0 because the **resident chose not to answer or gave a nonsensical response**, or
  - (c) if any of the BIMS items is coded with a dash. —

  - **Note: a zero score does not mean the BIMS was incomplete.** To be incomplete, a resident had to choose not to answer or give completely unrelated, nonsensical responses to four or more items.

C0500
Coding Tips

- Occasionally, a resident can communicate but chooses not to participate in the BIMS and therefore does not attempt any of the items in the section. This would be considered an incomplete interview; enter 99 for C0500

- *Notify Program Manager and Social Worker *

C0500 Scoring Example

- The resident's scores on items C0200-C0400 were as follows:
- C0200 (repetition)   3
- C0300A (year)   2
- C0300B (month)   2
- C0300C (day)   1
- C0400A (recall "sock")   2
- C0400B (recall "blue")   2
- C0400C (recall "bed")   0

- Coding: **C0500** would be **coded 12.**

Reference

MDS 3.0 RAI Manual v1.17 October 2019 [ZIP, 20MB]

Cue cards:

http://www.paanac.net/Resources/Documents/BIMS%20Cue%20Cards%20with%20pictures%20for%20non%20verbal%20resident.pdf

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