CMS
CENTERS FOR MEDICARE & MEDICAID SERVICES

SNF Virtual Training Program – Part 1

Section D: Resident Mood Interview and Total Severity Score

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SKILLED NURSING FACILITY
QUALITY REPORTING PROGRAM

Objectives

- Identify the revisions to the Resident Mood Interview (PHQ-2 to 9©).
- Describe the changes to the guidance for coding and scoring the Resident Mood Interview and Total Severity Score.

NOTE: Section D includes a new data element, D0700. Social Isolation. As this data element is considered a Social Determinant of Health, training on this item and guidance can be found in the *Social Determinants of Health and New Data Elements in Section A* presentation.

General Revisions to Section D

For Section D: Mood, found in the Minimum Data Set (MDS) 3.0 Resident Assessment Instrument (RAI) Manual v.1.18.11:

- Existing items were renumbered.
  - D0150. Resident Mood Interview (PHQ-2 to 9©).
  - D0160. Total Severity Score.
- Changes and updates were made to cross-setting data element guidance promoting alignment with other PAC settings.
- New guidance for D0100. Should Resident Mood Interview Be Conducted?
  - If a resident cannot communicate, then Staff Mood Interview (D0500 A–J) should be conducted, unless the assessment being completed is a stand-alone Part A Prospective Payment System (PPS) Discharge; if that is the case, then skip to D0700. Social Isolation.

D0150

The Resident Mood Interview

D0150: Resident Mood Interview – Item Rationale

Health-Related Quality of Life

- It is important to note that coding the presence of clinical signs and symptoms of depressed mood does not automatically mean that the resident has a diagnosis of depression or other mood disorder.
- Assessors do not make or assign a diagnosis based on these findings; they simply record the presence or absence of specific clinical signs and symptoms of depressed mood.
  - Facility staff should recognize these signs and symptoms and consider them when developing the resident's individualized care plan.

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D0150: Resident Mood Interview (PHQ-2 to 9©)

D0150. Resident Mood Interview (PHQ-2 to 9©)

Say to resident: *"Over the last 2 weeks, have you been bothered by any of the following problems?"*

If symptom is present, enter 1 (yes) in column 1, Symptom Presence.

If yes in column 1, then ask the resident: *"About **how often** have you been bothered by this?"*

Read and show the resident a card with the symptom frequency choices. Indicate response in column 2, Symptom Frequency.

1. **Symptom Presence**
   - 0. **No** (enter 0 in column 2)
   - 1. **Yes** (enter 0-3 in column 2)
   - 9. **No response** (leave column 2 blank)
2. **Symptom Frequency**
   - 0. **Never or 1 day**
   - 1. **2-6 days** (several days)
   - 2. **7-11 days** (half or more of the days)
   - 3. **12-14 days** (nearly every day)

PHQ-2©

	1. Symptom Presence	2. Symptom Frequency
	↓ Enter Scores in Boxes ↓	
A. *Little interest or pleasure in doing things*	☐	☐
B. *Feeling down, depressed, or hopeless*	☐	☐

If both D0150A1 and D0150B1 are coded 9, OR both D0150A2 and D0150B2 are coded 0 or 1. END the PHQ interview: otherwise, continue.

PHQ-9©
The remaining
7 questions.

C. *Trouble falling or staying asleep, or sleeping too much*	☐	☐
D. *Feeling tired or having little energy*	☐	☐
E. *Poor appetite or overeating*	☐	☐
F. *Feeling bad about yourself - or that you are a failure or have let yourself or your family down*	☐	☐
G. *Trouble concentrating on things, such as reading the newspaper or watching television*	☐	☐
H. *Moving or speaking so slowly that other people could have noticed. Or the opposite - being so fidgety or restless that you have been moving around a lot more than usual*	☐	☐
I. *Thoughts that you would be better off dead, or of hurting yourself in some way*	☐	☐

D0150: Steps for Assessment

Unchanged:

- The Steps for Assessment numbered 1–4 and 6–8 have either not been revised or have been updated to reflect the revised item name.

Enhanced:

- Step 5. Be sure the resident can hear you.
  - Residents with a hearing impairment should be interviewed using their usual communication devices/techniques, as applicable, during the interview.

D0150: Steps for Assessment – Changes to Step 9

REVISED

Ask the first two questions (D0150A and D0150B) of the Resident Mood Interview (PHQ-2 to 9©).

- Suggested language: "Over the last 2 weeks, have you been bothered by any of the following problems?"
- Each question must be asked in sequence to assess Symptom Presence (column 1) and Symptom Frequency (column 2) before proceeding to the next question.

D0150. Resident Mood Interview (PHQ-2 to 9©)

Say to resident: *"Over the last 2 weeks, have you been bothered by any of the following problems?"*

If symptom is present, enter 1 (yes) in column 1, Symptom Presence.
If yes in column 1, then ask the resident: *"About **how often** have you been bothered by this?"*
Read and show the resident a card with the symptom frequency choices. Indicate response in column 2, Symptom Frequency.

1. **Symptom Presence**
   0. **No** (enter 0 in column 2)
   1. **Yes** (enter 0-3 in column 2)
   9. **No response** (leave column 2 blank)
2. **Symptom Frequency**
   0. **Never or 1 day**
   1. **2-6 days** (several days)
   2. **7-11 days** (half or more of the days)
   3. **12-14 days** (nearly every day)

	1. Symptom Presence	2. Symptom Frequency
	↓ Enter Scores in Boxes ↓	
A. *Little interest or pleasure in doing things*	☐	☐
B. *Feeling down, depressed, or hopeless*	☐	☐

If both D0150A1 and D0150B1 are coded 9, OR both D0150A2 and D0150B2 are coded 0 or 1, END the PHQ interview; otherwise, continue.

D0150: Assessment Step 9

Enter code 9 in Column 1 and leave Column 2 blank if the resident:

- Was unable to complete the assessment.
- Chose not to complete the assessment, or
- Responded nonsensically.

A **nonsensical** response is a response that is unrelated, incomprehensible, or incoherent or if the resident's response is not informative with respect to the item being rated.

Example: When asked the question about "poor appetite or overeating," the resident answers, "I always win at poker."

D0150: Steps for Assessment – Step 10

Determine whether to ask the remaining seven questions (D0150C to D0150I) of the Resident Mood Interview (PHQ-2 to 9©). Whether or not further evaluation of a resident's mood is needed depends on the resident's responses to the first two questions (D0150A and D0150B) of the Resident Mood Interview.

- If **both** D0150A1 and D0150B1 are coded **9**, OR **both** D0150A2 and D0150B2 are coded **0** or **1**, end the PHQ interview; otherwise continue.

If **both** D0150A1 and D0150B1 are **coded 9**,

- Leave D0150A2 and D0150B2 **blank,**
- Then end the PHQ-2© and
- Leave D0160. Total Severity Score **blank**.

If **both** D0150A2 and D0150B2 are **coded 0 or 1,**

- Then end the PHQ-2© and
- Enter the **total score** from D0150A2 and D0150B2 in D0160. Total Severity Score.

- For all other scenarios, proceed to ask the remaining seven questions (D0150C to D0150I of the PHQ-9©) and complete D0160, Total Severity Score.

Assessment Step 10 – Coding Logic: Symptom Presence, No Response

If D0150A1 is coded 9

AND

If D0150B1 is coded 9

Then leave D0150A2 and D0150B2 blank and **end** PHQ-2© Resident Mood Interview.

Leave **D0160. Total Severity Score** blank.

Assessment Step 10 – Coding Logic: Symptom Frequency, Code 0 and 1

If D0150A2 is coded as a 0 or 1

AND

If D0150B2 is coded as a 0 or 1

Then **end** the PHQ-2© Resident Mood Interview.

Enter the total score from **D0150A2** and **D0150B2** in **D0160, Total Severity Score.**

Assessment Step 10 – Coding Logic: Completing the PHQ-9

Examples of when to proceed with D0150C through D0160I based on Symptom Frequency coding.

If D0150A2 is 2 or 3	and	If D0150B2 is 2 or 3
If D0150A2 is 0 or 1	and	If D0150B2 is 2 or 3
If D0150A2 is 2 or 3	and	If D0150B2 is 0 or 1

→ Then **proceed** to ask the remaining seven questions (D0150C to D0150I) on the PHQ-2 to 9©.

→ Complete **D0160. Total Severity Score.**

PHQ-2 to 9© – Remaining Seven Questions

		1. Symptom Presence	2. Symptom Frequency
		↓ Enter Scores in Boxes ↓	
If both D0150A1 and D0150B1 are coded 9, OR both D0150A2 and D0150B2 are coded 0 or 1, END the PHQ interview; otherwise, continue.			
C.	*Trouble falling or staying asleep, or sleeping too much*	☐	☐
D.	*Feeling tired or having little energy*	☐	☐
E.	*Poor appetite or overeating*	☐	☐
F.	*Feeling bad about yourself - or that you are a failure or have let yourself or your family down*	☐	☐
G.	*Trouble concentrating on things, such as reading the newspaper or watching television*	☐	☐
H.	*Moving or speaking so slowly that other people could have noticed. Or the opposite - being so fidgety or restless that you have been moving around a lot more than usual*	☐	☐
I.	*Thoughts that you would be better off dead, or of hurting yourself in some way*	☐	☐

D0150: Column 1. Symptom Presence

D0150. Resident Mood Interview (PHQ-2 to 9©)

Say to resident: *"Over the last 2 weeks, have you been bothered by any of the following problems?"*

If symptom is present, enter 1 (yes) in column 1, Symptom Presence.

If yes in column 1, then ask the resident: *"About **how often** have you been bothered by this?"*

Read and show the resident a card with the symptom frequency choices. Indicate response in column 2, Symptom Frequency.

1. **Symptom Presence**
   0. **No** (enter 0 in column 2)
   1. **Yes** (enter 0-3 in column 2)
   9. **No response** (leave column 2 blank)
2. **Symptom Frequency**
   0. **Never or 1 day**
   1. **2-6 days** (several days)
   2. **7-11 days** (half or more of the days)
   3. **12-14 days** (nearly every day)

1. Symptom Presence	2. Symptom Frequency
↓ Enter Scores in Boxes ↓	

D0150: Coding Instructions – Column 1. Symptom Presence

REVISED

If the resident indicates symptoms listed are…		*If the resident was unable or chose not to complete the assessment or responded nonsensically.*
Not Present	Present	
Code 0, No *and*	**Code 1**, Yes *and*	**Code 9**, No response *and*
Enter a 0 in Column 2. Symptom Frequency	Enter a 0, 1, 2, or 3 in Column 2. Symptom Frequency	Leave Column 2. Symptom Frequency blank

NOTE:

Enter a Dash in Column 1 if the symptom presence was not assessed and leave Column 2. Symptom Frequency blank.

D0150: Column 2. Symptom Frequency

D0150. Resident Mood Interview (PHQ-2 to 9©)

Say to resident: *"Over the last 2 weeks, have you been bothered by any of the following problems?"*

If symptom is present, enter 1 (yes) in column 1, Symptom Presence.

If yes in column 1, then ask the resident: *"About **how often** have you been bothered by this?"*

Read and show the resident a card with the symptom frequency choices. Indicate response in column 2, Symptom Frequency.

1. **Symptom Presence**
   - 0. **No** (enter 0 in column 2)
   - 1. **Yes** (enter 0-3 in column 2)
   - 9. **No response** (leave column 2 blank)
2. **Symptom Frequency**
   - 0. **Never or 1 day**
   - 1. **2-6 days** (several days)
   - 2. **7-11 days** (half or more of the days)
   - 3. **12-14 days** (nearly every day)

1. Symptom Presence	2. Symptom Frequency
↓ Enter Scores in Boxes ↓	

D0150: Coding Instructions – Column 2. Symptom Frequency

REVISED

If the resident indicates that during the past 2 weeks, they have been bothered by the symptom

Never or only on one day	2-6 days	7-11 days	12-14 days
Code 0 Never or 1 day	**Code 1** 2–6 days (several days)	**Code 2** 7–11 days (half or more of the days)	**Code 3** 12–14 days (nearly every day)

D0150. Resident Mood Interview – Coding Tips

NEW

Attempt to conduct the interview with ALL residents.

If Column 1 equals 0, enter 0 in Column 2.

D0150. Resident Mood Interview (PHQ-2 to 9©)

Say to resident: *"Over the last 2 weeks, have you been bothered by any of the following problems?"*
If symptom is present, enter 1 (yes) in column 1, Symptom Presence.
If yes in column 1, then ask the resident: *"About **how often** have you been bothered by this?"*
Read and show the resident a card with the symptom frequency choices. Indicate response in column 2, Symptom Frequency.

1. **Symptom Presence**
   0. **No** (enter 0 in column 2)
   1. **Yes** (enter 0-3 in column 2)
   9. **No response** (leave column 2 blank)
2. **Symptom Frequency**
   0. **Never or 1 day**
   1. **2-6 days** (several days)
   2. **7-11 days** (half or more of the days)
   3. **12-14 days** (nearly every day)

	1. Symptom Presence	2. Symptom Frequency
	↓ Enter Scores in Boxes ↓	
A. *Little interest or pleasure in doing things*	0	0
B. *Feeling down, depressed, or hopeless*		

If both D0150A1 and D0150B1 are coded 9, OR both D0150A2 and D0150B2 are coded 0 or 1, END the PHQ interview; otherwise, continue.

If Column 1 equals 9 or dash, leave Column 2 blank.

D0150. Resident Mood Interview (PHQ-2 to 9©)

Say to resident: *"Over the last 2 weeks, have you been bothered by any of the following problems?"*
If symptom is present, enter 1 (yes) in column 1, Symptom Presence.
If yes in column 1, then ask the resident: *"About **how often** have you been bothered by this?"*
Read and show the resident a card with the symptom frequency choices. Indicate response in column 2, Symptom Frequency.

1. **Symptom Presence**
   0. **No** (enter 0 in column 2)
   1. **Yes** (enter 0-3 in column 2)
   9. **No response** (leave column 2 blank)
2. **Symptom Frequency**
   0. **Never or 1 day**
   1. **2-6 days** (several days)
   2. **7-11 days** (half or more of the days)
   3. **12-14 days** (nearly every day)

	1. Symptom Presence	2. Symptom Frequency
	↓ Enter Scores in Boxes ↓	
A. *Little interest or pleasure in doing things*	9	
B. *Feeling down, depressed, or hopeless*	-	

If both D0150A1 and D0150B1 are coded 9, OR both D0150A2 and D0150B2 are coded 0 or 1, END the PHQ interview; otherwise, continue.

D0160. Total Severity Score

D0160. Total Severity Score – Item Rationale

D0160. Total Severity Score

Enter Code ☐☐

Add scores for all frequency responses in Column 2, Symptom Frequency. Total score must be between 00 and 27. Enter 99 if unable to complete interview (i.e., Symptom Frequency is blank for 3 or more required items).

Health-related Quality of Life

- **Total Severity Score:** A summary of the frequency scores on the PHQ-2 to 9© that indicates the extent of potential depression symptoms.

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D0160: Planning for Care – PHQ-2 to 9© Response Interpretation

Responses to the PHQ-2 to 9© can indicate possible depression if the full PHQ-2 to 9© is completed (i.e., interview is not stopped after D0150B due to responses).

Responses can be interpreted as follows:

- Major Depressive Syndrome:
  - Suggested if, of the 9 items, 5 or more items are identified at a frequency of half or more of the days (7–11 days) during the assessment period.
- Minor Depressive Syndrome:
  - Suggested if, of the 9 items, the following are identified at a frequency of half or more of the days (7–11 days) during the assessment period:
    - D0150B. Feeling down, depressed or hopeless,
    - D0150C. Trouble falling or staying asleep, or sleeping too much or
    - D0150D. Feeling tired or having little energy.

D0160: Total Severity Score Interpretation

In addition, the PHQ-2 to 9© Total Severity Score can be used to track changes in severity over time. Total Severity Score can be interpreted as follows:

- 1–4: Minimal depression.
- 5–9: Mild depression.
- 10–14: Moderate depression.
- 15–19: Moderately severe depression.
- 20–27: Severe depression.

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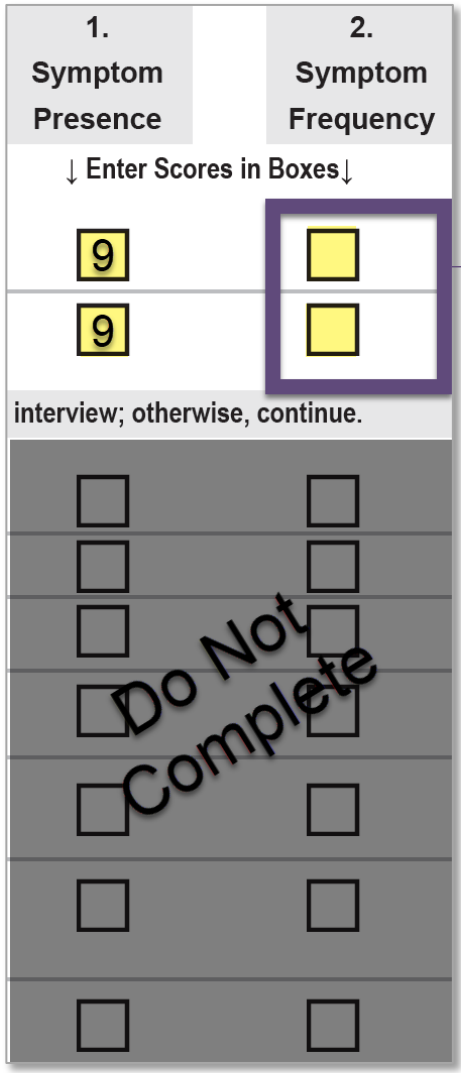
D0160: Coding Instructions for Symptom Presence Coded as 9



D0160. Total Severity Score

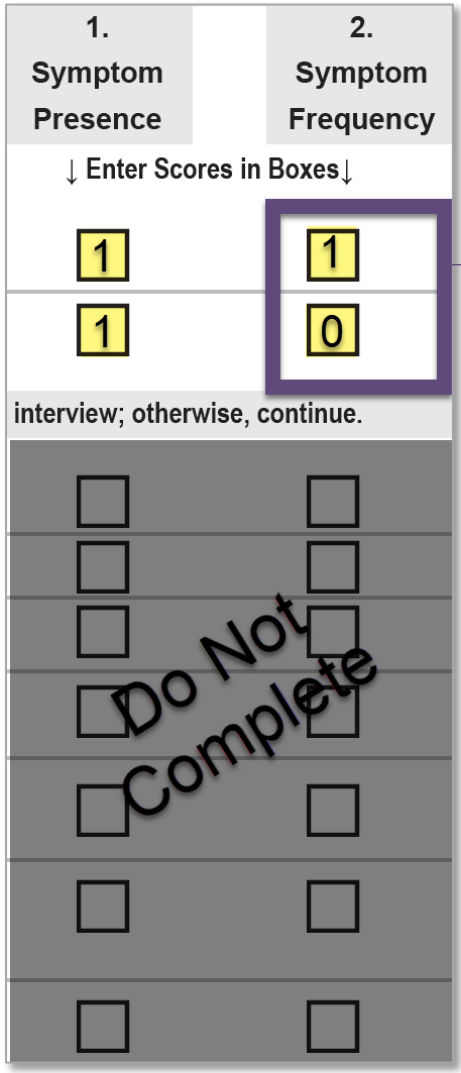
Enter Code

Add scores for all frequency responses in Column 2, Symptom Frequency. Total score must be between 00 and 27. Enter 99 if unable to complete interview (i.e., Symptom Frequency is blank for 3 or more required items).

If only the PHQ-2© is completed because **both** D0150A1 and D0150B1 are coded 9, leave D0150A2 and D0150B2 blank

→ Then leave D0160. Total Severity Score blank.

D0160: Coding Instructions for Symptom Frequencies of 0 and 1



D0160. Total Severity Score

Enter Code: 0 1

Add scores for all frequency responses in Column 2, Symptom Frequency. Total score must be between 00 and 27. Enter 99 if unable to complete interview (i.e., Symptom Frequency is blank for 3 or more required items).

If only the PHQ-2© is completed because **both** D0150A2 and D0150B2 are scored 0 or 1

Then add the numeric scores from these two frequency items and enter the value in D0160.

D0160: Coding Instructions for a Completed PHQ-9©

NEW

1. Symptom Presence	2. Symptom Frequency
↓ Enter Scores in Boxes ↓	
1	2
1	2
1	3
1	3
1	2
0	0
1	2
0	0
1	2

If the PHQ-9© was completed (that is, D0150C–D0150I are not blank due to the responses in D0150A and B)

AND

If the resident answered the frequency responses of at least 7 of the 9 items on the PHQ-9©

Add the numeric scores from D0150A2–D0150I2 following the instructions found in Appendix E and enter in D0160.

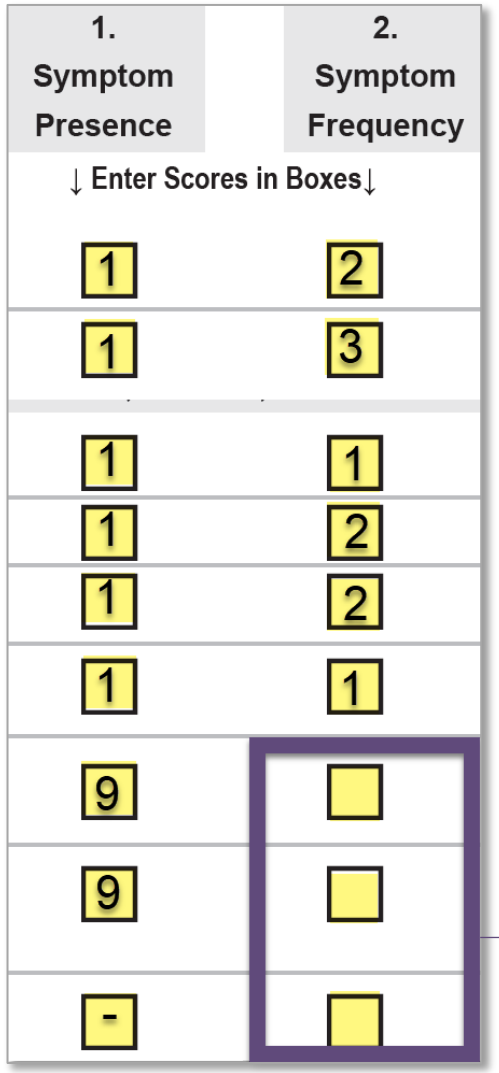
D0160. Total Severity Score

Enter Code **16**

Add scores for all frequency responses in Column 2, Symptom Frequency. Total score must be between 00 and 27. Enter 99 if unable to complete interview (i.e., Symptom Frequency is blank for 3 or more required items).

D0160: Coding Instructions for Blank Symptom Frequencies

REVISED



If symptom frequency in items D0150A2 through D0150I2 is blank for 3 or more items, the interview is deemed NOT complete

Then the Total Severity Score should be coded as "99" and the Staff Assessment of Mood should be conducted, unless the assessment being completed is a standalone Part A PPS Discharge; if that is the case, then skip to D0700. Social Isolation.

D0160. Total Severity Score

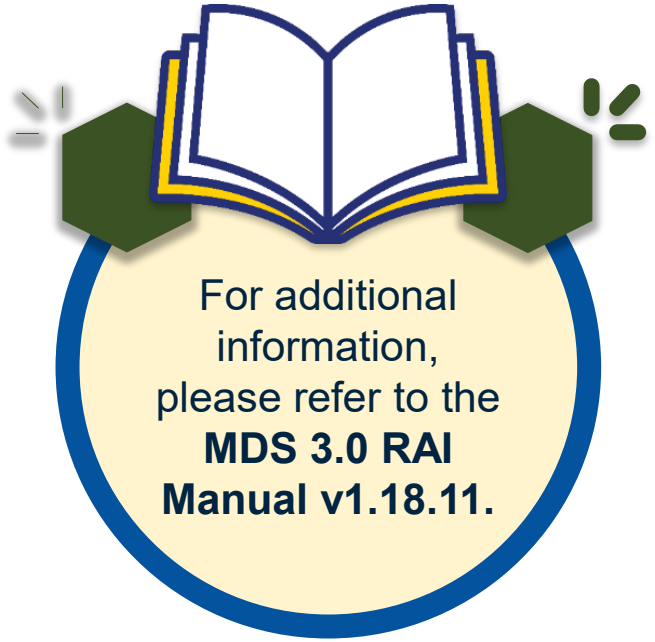
Enter Code 9 9

Add scores for all frequency responses in Column 2, Symptom Frequency. Total score must be between 00 and 27. Enter 99 if unable to complete interview (i.e., Symptom Frequency is blank for 3 or more required items).

Additional Scoring Rules for D0160

Appendix E in the SNF MDS RAI Version 3.0 guidance manual provides additional scoring rules for D0160.

- These rules consider the "number of missing items in Column 2," which is the number of items in Column 2 that are blank (or skipped). An item in Column 2 could be blank if the corresponding item in Column 1 was equal to 9, No response or a dash (symptom not assessed).
- The rules apply if D0150C through D0150I were asked and describe the following:
  - How to compute the Total Severity Score, with considerations for the number of missed items in Column 2, Symptom Frequency.
  - Examples of scoring the Total Severity Score based on the number of missing values in Column 2, Symptom Frequency.



Summary

D0150: Patient Mood Interview (PHQ-2 to 9©) is a standardized interview for depression and mood disorders.

- Following the steps for assessment and coding for the PHQ-2 to 9© is essential for accurate detection of possible depression.
- By tallying the PHQ-2 to 9© Symptom Frequency Scores, a Total Severity Score can be calculated.

D0160: Total Severity Score can indicate the extent of potential depressive symptoms.

Submitting Questions

If you have questions about this presentation, please submit them to PACTraining@EconometricaInc.com by June 2, 2023.

Select questions will be answered in Q&A sessions offered during the June 2023 virtual live event.