

## Quality Measure Calculation:

### “Percent of Residents Who are More Depressed or Anxious”

The Depression quality measure is calculated from the Mood Scale score (MSS) on the MDS. The MDS Mood Scale handout shows how the Mood Scale is related to items on the MDS. An increase in the total number of the conditions in the top row of the grid present from one assessment to the next will cause an increase in the Mood Scale score. **An increase in the Mood Scale score from the prior assessment to the target assessment triggers the measure.**

Please note that any of the following conditions may exclude a resident from the calculation of this quality measure:

- Missing data on the Mood Scale items
- A Mood Scale score of “8” (maximum possible) on the prior assessment
- The resident is comatose (MDS B1=1)

There are 10 items on the MDS that are used in various combinations to determine how many of 8 specified conditions are present. See the attached MDS Mood Scale handout.

- Shaded blocks in each row designate which conditions are counted in the mood scale for each of the MDS items in the left column.
- While a single MDS item may trigger multiple conditions on the mood scale, each condition (column) is only counted once in the calculation of the Mood Scale score.

Example: Resident A was observed verbalizing negative statements in the past 30 days; therefore, the MDS item E1a has either “1” or “2” entered. This one MDS item triggers three of the eight conditions on the Mood Scale: 1) verbal expression of distress, 2) repetitive verbalizations, and 3) negative statements. Resident A receives a score of 3 on the Mood Scale from this one behavior.

Resident A also was observed making repetitive verbalizations; therefore, MDS item E1c has either “1” or “2” entered. This MDS item triggers two conditions on the mood scale: 1) verbal expression of distress and 2) repetitive verbalizations. Because the MDS item E1a already triggered these two conditions, Resident A’s Mood Scale score remains 3.

## MDS Mood Scale

Mood Scale score is defined as the number of these 8 conditions that are satisfied on the target assessment. Scores can range from 0 to 8. Some items count toward multiple depression symptoms. Different items can trigger the same depression symptom.

		Condition							
		1	2	3	4	5	6	7	8
MDS Item		Verbal expression of distress	Crying, tearfulness	Motor agitation	Leaves food uneaten	Repetitive health complaints	Repetitive verbalizations	Negative statements	Mood symptoms not easily altered
(Observed in last 30 days)	Negative statements								
	E1a. = 1 or 2								
	Repetitive verbalizations								
	E1c. = 1 or 2								
	Self-deprecation								
	E1e. = 1 or 2								
	Expressions of unrealistic fears								
	E1f. = 1 or 2								
	Recurrent statements that something terrible is about to happen								
	E1g. = 1 or 2								
	Repetitive health complaints								
	E1h. = 1 or 2								
	Crying, tearfulness								
	E1m. = 1 or 2								
	Repetitive physical movements								
	E1n. = 1 or 2								
	Mood persistence (not easily altered) (observed in last 7 days)								
	E2. = 2								
	Leaves 25% of more of food uneaten at most meals								
	K4c. = checked								

K4c may also have been checked on the last full assessment.