

The MDS Mortality Risk Index – Revised (MMRI-R)

Weighted Points *

Admitted/eligible to nursing home in the past three months	Yes	No	_____ (8)
Lost weight unintentionally in the last three months	Yes	No	_____ (5)
Renal Failure	Yes	No	_____ (6)
Chronic Heart Failure	Yes	No	_____ (4)
Poor appetite	Yes	No	_____ (4)
Male	Yes	No	_____ (5)
Dehydrated	Yes	No	_____ (4)
Short of breath	Yes	No	_____ (8)
Cancer (if yes – see Age and Cancer worksheet; if no continue) **	Yes	No	_____
Age of patient/resident at last birthday _____	Age score WITHOUT cancer		_____ (2-9)
	Age score WITH cancer		_____ (13-20)
Deteriorated cognitive skills or status in the past three month ***	Yes	No	_____
Activities of Daily Living Score _____ (see ADL & cognitive decline worksheet)	ADL score WITHOUT cognitive decline		_____ (0-16)
	ADL score WITH cognitive decline		_____ (-2-21)
TOTAL MMRI-R SCORE			_____ (0-85)

* if "yes" then score *. If "no" then score zero. This system applies to the first eight items using the indicated weighted scores.
 ** Age must be scored with or without a diagnosis of active cancer – use worksheet to calculate score.
 *** ADL's must be scored with or without cognitive deterioration in the past three months – use worksheet to calculate score.

Caveats on criteria:

- 1: Admission/eligible to be admitted to a nursing home also means if that person did get admitted to hospital, could have gone to NH but family took pt home of if they would have gotten admitted (sick enough) but family chose to keep pt at home. (They would have then been eligible for NH.) This POINTS to acuity/severity of situation.
- 2: Renal failure means moderate severe renal failure GFR <30
- 3: Poor appetite is by pt or CG report that appetite is poor or decreased significantly for that person.
- 4: Dehydration can be determined clinically: concentrated urine (dark yellow); dry oral mucosa (not just because of mouth breathing)
- 5: SOB is any significant SOB >20-22/min respiratory rate even though pt may not complain of it.
- 6: Cancer on the form means active cancer.
- 7: Deteriorated cognitive skills is a significant decline meaning acute, ongoing, a definite change from before like now not recognizing family members most of the time within the past 3 months.

Points	% died in 6 mos
0-5	4
6-10	4
11-15	7
16-20	11
21-25	17
26-30	27
31-35	36
36-40	47
41-45	58
46-50	69
51-55	79
56-60	89
61-65	90
66-70	93
71-75	100

Patient Name: _____ Benefit Period: _____

RN/SW: _____ Date: _____

Worksheets

Age and Cancer worksheet

Age	Score without cancer	Score with cancer
<=69	2	20
70-74	3	19
75-79	4	18
80-84	5	17
85-89	6	16
90-94	7	15
95-99	8	14
100+	9	13

ADL and Cognition worksheet

Circle the level of independence the patient/resident has in these ADLs using the following five-point scale in the past seven days.

Mobility/locomotion 0: Independent 1: Supervised 2: Limited assistance 3: Extensive assistance 4: Total dependence	Eating 0: Independent 1: Supervised 2: Limited assistance 3: Extensive assistance 4: Total dependence	Toilet use 0: Independent 1: Supervised 2: Limited assistance 3: Extensive assistance 4: Total dependence	Personal hygiene 0: Independent 1: Supervised 2: Limited assistance 3: Extensive assistance 4: Total dependence
INDEPENDENT: No help or oversight – OR – help or oversight provided only 1 or 2 times during the last 7 days.	SUPERVISED: Oversight, supervision or cueing provided 3 or more times during the last 7 days – OR - supervision 3 or more times plus limited assistance provided only 1 or 2 times during the last 7 days.	LIMITED ASSISTANCE: Patient/resident highly involved in activity; received physical help in guided maneuvering of limbs or other non-weight bearing assistance 3 or more times – OR – more help provided only 1 or 2 times in the last 7 days.	EXTENSIVE ASSISTANCE: While patient/resident performed part of activity over last 7-day period help of the following types provided 3 or more times: - weight bearing support - full staff performance during part (but not all) of the past 7 days TOTAL DEPENDENCE: Full staff performance during past 7 days

*ADL score WITHOUT cognitive deterioration is the sum of points assessed for mobility + Eating + Toilet Use + Hygiene

*ADL score WITH cognitive deterioration (sum the ADL's as above and then use the table to assign the score):

ADL Point Score	ADL Point Score with Cognitive Decline
0	ADL score – 2
1, 2	ADL score – 1
3, 4	ADL score
5, 6, 7	ADL score + 1
8, 9	ADL score + 2
10, 11	ADL score + 3
12, 13	ADL score + 4
14, 15, 16	ADL score + 5