Maine MDS RUG III Codes
Model Version 5.20 ME for MDS 3.0

Category	ADL Index	End Splits	RUG-III Codes	Maine Weight
Rehabiliation				
Ultra High Rehabilitation	16-18	Not Used	RUC	1.986
Rehabilitation Rx 720 minutes/week minimum (O0400A – C[1-3])	9-15	Not Used	RUB	1.426
AND]	4-8	Not Used	RUA	1.165
At least 1 rehabilitation discipline 5 days/week (O0400A4 – C4)				
AND				
A second rehabilitation discipline 3 days/week (O0400A4 – C4)				
Very High Rehabilitation	16-18	Not Used	RVC	1.756
Rehabilitation Rx 500 minutes/week minimum (O0400A – C[1-3])	9-15	Not Used	RVB	1.562
AND	4-8	Not Used	RVA	1.217
At least 1 rehabilitation discipline 5 days/week (O0400A4 – C4)				
High Rehabilitation	13-18	Not Used	RHC	1.897
Rehabilitation Rx 325 minutes/week minimum (O0400A – C[1-3])	8-12	Not Used	RHB	1.559
AND	4-7	Not Used	RHA	1.260
At least 1 rehabilitation discipline 5 days/week (O0400A4 – C4)				
Medium Rehabilitation	15-18	Not Used	RMC	2.051
Rehabilitation Rx 150 minutes/week minimum (O0400A – C[1-3])	8-14	Not Used	RMB	1.635
AND	4-7	Not Used	RMA	1.411
5+ days received across all types of therapy (O0400A4 – C4)				
Low Rehabilitation	14-18	Not Used	RLB	1.829
Rehabilitation Rx 45 minutes/week minimum (O0400A – C[1-3])	4-13	Not Used	RLA	1.256
AND				
3+ days received across all types of therapy (O0400A4 – C4)				
AND				
2+ nursing rehab activities at 6+ days each (O0500A-J, H0200C/H0500)				
Extensive Services				
IV feeding in last 7 days (K0500A) OR IV medications (O0100H), suctioning (O0100D), tracheostomy care (O0100E) or ventilator/respirator (O0100F) in the last 14 days AND ADL score of 7 or more	7-18	Count of other categories (special care, clinically complex, impaired cognition), plus IV medications, plus IV feeding	SE3 SE2 SE1	2.484 2.057 1.910
OR Maine only: Traumatic brain injury (I5500)	15-18 10-14 7-9	Not Used Not Used Not Used	SE3 SE2 SE1	2.484 2.057 1.910
Special Care				
Extensive Services (see above) and ADL score of 6 or less OR Special Care qualifier (any one):	17-18 15-16 4-14	Not Used Not Used Not Used	SSC SSB SSA	1.841 1.709 1.511
• Cerebral Palsy (I4400) with ADL sum >= 10				
• Multiple Sclerosis (I5200) with ADL sum >= 10				
• Quadriplegia (I5100) with ADL sum >= 10				
• Respiratory therapy (O0400D2) = 7 days				
• Aphasia (I4300) with feeding tube (K0500B) (calories >= 51%, or calories = 26%-50% (K0700A) and fluids >= 501 cc (K0700B))				
• Radiation therapy (O0100B1-2)				
• Ulcers (2 sites, any stage (M0300A, M0300B1-D1, M1030)*; or 1 site stage 3 or 4 (M0300C1-D1, F1)*) AND 2+ skin treatments (M1200A-E, G-H)				
• Surgical wounds (M1040E) AND surgical wound care (M1200F) or application of dressing (M1200G) or application of ointment (M1200H)				
• Open lesions (M1040D) AND surgical wound care (M1200F) or application of dressing (M1200G) or application of ointment (M1200H)				
• Fever (J1550A) with dehydration (J1550C)				
• Fever (J1550A) with pneumonia (I2000)				
• Fever (J1550A) with vomiting (J1550B)				
• Fever (J1550A) with weight loss (K0300)				
• Fever (J1550A) with feeding tube (K0500B) (calories >= 51%, or calories = 26%-50% (K0700A) and fluid >= 501 cc (K0700B))				
AND ADL score of 7 or more				

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Clinically Complex				
Special Care qualifier (see above) and ADL score of 6 or less)	17-18D	***Signs of Depression	CC2	1.826
OR	17-18	No Signs	CC1	1.663
Clinically complex qualifier (any one):	12-16D	Signs of Depression	CB2	1.503
• Burns (M1040F)	12-16	No Signs	CB1	1.389
• Coma (B0100) AND not awake (no crosswalk**) AND ADL dependent (G0110A1, G0110B1, G0110H1, G0110I1)	4-11D	Signs of Depression	CA2	1.331
• Septicemia (I2100)	4-11	No Signs	CA1	1.149
• Pneumonia (I2000)				
• Foot lesion (M1040B, M1040C)/infection (M1040A) AND dressing to foot (M1200I)				
• Internal bleeding (J1550D)				
• Dehydration (J1550C)				
• Feeding tube (K0500B) (calories >= 51%, or calories = 26%-51% (K0700A) AND fluids >= 501 cc (K0700B = 2))				
• Oxygen therapy (O0100C1, O0100C2)				
• Transfusions (O0100I1, O0100I2)				
• Hemiplegia/hemiparesis (I4900) with ADL score >= 10				
• Chemotherapy (O0100A1, O0100A2)				
• Dialysis (O0100J1, O0100J2)				
• Physician visits (O0600) 1+ days AND order changes (O0700) 4+ days (last 14 days)				
• Physician visits (O0600) 2+ days and order changes (O0700) 2+ days (last 14 days)				
• Diabetes (I2900) with injection (N0300) on 7 days AND order change O0700) 2+ days (last 14 days)				
Impaired Cognition				
****Score on MDS 3.0 Brief Interview for Mental Status (BIMS) <= 9. If BIMS is not completed, a CPS score is calculated using decision making (C1000), making self understood (B0700),short-term memory (C0700), coma (B0100) and eating self-performance (G0110H1).	6-10	2 or more nursing rehab services on 6+ days/week	IB2	1.199
	6-10	Less nursing rehab	IB1	1.152
	4-5	2 or more nursing rehab services on 6+ days/week	IA2	0.945
AND				
ADL score of 10 or less	4-5	Less nursing rehab	IA1	0.888
NOTES:				
No clinical variables used				
See Reduced Physical Function (below) for nursing rehab services count				
Behavior Problems				
Wandering (E0900), physical abuse (E0200A), verbal abuse (E0200B), inappropriate behavior (E0200C) OR resisted care (E0800) on 4+ days/week	6-10	2 or more nursing rehab services on 6+ days/week	BB2	1.180
	6-10	Less nursing rehab	BB1	1.123
OR	4-5	2 or more nursing rehab services on 6+ days/week	BA2	0.905
Hallucinations (E0100A) or delusions (E0100B)				
AND	4-5	Less nursing rehab	BA1	0.759
ADL score of 10 or less				
NOTES:				
See Reduced Physical Function (below) for nursing rehab services count				
Reduced Physical Function				
Nursing rehab service count of the following 6+ days/week:	16-18	2 or more nursing rehab services on 6+ days/week	PE2	1.454
• Passive (O0500A) OR active ROM (O0500B)				
• Amputation/prosthesis care training (O0500I)	16-18	Less nursing rehab	PE1	1.421
• Splint or brace assistance (O0500C)	11-15	2 or more nursing rehab services on 6+ days/week	PD2	1.323
• Dressing or grooming training (O0500G)				
• Eating or swallowing training (O0500H)	11-15	Less nursing rehab	PD1	1.281
• Transfer training (O0500E)	9-10	2 or more nursing rehab services on 6+ days/week	PC2	1.219
• Bed mobility (O0500D) OR walking training (O0500F)				
• Communication training (O0500J)	9-10	Less nursing rehab	PC1	1.088
Add to count of Nursing Rehab:	6-8	2 or more nursing rehab services on 6+ days/week	PB2	0.833
• Scheduled toileting plan (H0200C, H0500) in the last 7 days	6-8	Less nursing rehab	PB1	0.854
	4-5	2 or more nursing rehab services on 6+ days/week	PA2	0.776
NOTES:				
No clinical variables used	4-5	Less nursing rehab	PA1	0.749
Default – Not Classified			BC1	0.749

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* Pressure ulcer conversion from MDS 2.0 to MDS 3.0:

On the MDS 2.0, items M1a-d refers to ulcers due to any cause (including venous and arterial ulcers). On the MDS 3.0, items M0300A, M0300B1, M0300C1 and M0300D1 only refer to unhealed pressure ulcers. RUG-III considers the count of ulcers (pressure ulcers, arterial, and stasis ulcers) regardless of stage. For the purpose of crosswalking the MDS 2.0 RUG-III logic to MDS 3.0, the number of venous or arterial ulcers (M1030) is added to the number of stage 1 ulcers (M0300A). To crosswalk M1d on the MDS 2.0, the number of unstageable ulcers due to slough and/or eschar (M0300F1) is added to the number of stage 4 ulcers (M0300D1).

** Time awake conversion from MDS 2.0 to MDS 3.0:

There are no fields on the MDS 3.0 that are equivalent to the time awake fields on the MDS 2.0 (N1a-N1c). For use in calculating a RUG-III group, N1a-c are set to 0 to be consistent with item B0100 on the MDS 3.0.

*** Depression calculation on MDS 3.0 using PHQ:

1. Calculate PHQ using resident interview (D0200)
    a. Add values in column 2 (symptom frequency) for items D0200A-I column 2 that are not missing.
    b. Calculate the PHQ score
        i.   If the number of items missing in column 2 is 3 or greater, skip to staff assessment (D0500)
        ii. If the number of items missing in column 2 is 2 then PHQ Score = multiply the sum by 9/7 or (1.286)
        iii. If the number of items missing in column 2 is 1 then PHQ Score = multiply the sum by 9/8 or (1.125)
        iv. If the number of items missing in column 2 is 0 then PHQ Score = sum of items
2. Calculate PHQ using staff assessment (D0500)
    a. Add values in column 2 (symptom frequency) for items D0500A-J that are not missing.
    b. Calculate the PHQ score
        i.   If the number of items missing in column 2 is 3 or greater, PHQ Score = '-'
        ii. If the number of items missing in column 2 is 2 then PHQ Score = multiply the sum by 9/7 or (1.286)
        iii. If the number of items missing in column 2 is 1 then PHQ Score = multiply the sum by 9/8 or (1.125)
        iv. If the number of items missing in column 2 is 0 then PHQ Score = sum of items
3. Determine whether resident is depressed
    a. If there are 2 or fewer missing values on the PHQ resident interview, if the adjusted PHQ scale score >= 10, the resident is depressed. Otherwise, the resident is not depressed.
    b. If depression cannot be calculated using a: If there are 2 or fewer missing values on the PHQ staff assessment, if the adjusted PHQ scale score >= 10, the resident is depressed. Otherwise the resident is not depressed.
    c. If there are 3 or more missing values in both a and b, the resident is not depressed.

**** Cognitive Impairment Score (CPS) on MDS 3.0 using BIMS:

1. Calculate BIMS using items C0200, C0300A-C, C0400A-C. If any of the interview items are missing (value = "-"), then skip to item 2. Add the value from each of the fields. If total is less than or equal to 9, the resident is cognitively impaired.
2. If unable to calculate cognitive impairment using BIMS, then use the following logic:
    a. Count the number of non-independence items: short-term memory (C0700=1); cognitive skills for daily decision making (C1000 = 1 or 2); makes self understood (B0700 = 1, 2, or 3).
    b. Count the number of moderate to severe impairment items: cognitive skills for daily decision making (C1000 = 2); makes self understood (B0700 = 2 or 3).
    c. Calculate CPS score
        i.   If coma (B0100 = 1) and cognitive skills for daily decision making not answered (C1000 not 0, 1 or 2) then CPS score is 6.
        ii. If cognitive skills for daily decision making is severely impaired (C1000 = 3)
            1. if eating self-performance is 4 or 8 (G0110H1 = 4 or 8) then CPS score = 6
            2. for other eating self-performance values (G0110H1 = -, 0, 1, 2, 3, 7) then CPS score = 5
        iii. If the count of non-independence items (see item a above) is 2 or 3
            1. if the count of moderate to severe impairment items (see item b above) is 2 then CPS score = 4
            2. if the count of moderate to severe impairment items (see item b above) is 1 then CPS score = 3
            3. if the count of moderate to severe impairment items (see item b above) is 0 then CPS score = 2
        iv. if the count of non-independence items (see item a above) is 1 then CPS score = 1