

# MDS 3.0 RUG-IV Decision Tree – 48 Grouper

Select the RUG-IV Group with the highest Case Mix Index(CMI) for which the resident meets the required conditions.

Domain	ADL Score	End Points or Special Requirements	RUG-IV Group	CMI (CMS Set 611)
<b>Extensive Services</b> (At least one of the following ☼.) ☼ Tracheostomy Care while a resident (O0100E2) ☼ Ventilator or respirator while a resident (O0100F2) ☼ Infection isolation while a resident (O0100M2)	>= 2  >= 2  >= 2	Tracheostomy care <b>and</b> ventilator/ respirator  Tracheostomy care <b>or</b> ventilator/ respirator  Infection isolation: • <b>without</b> tracheostomy care • <b>without</b> ventilator or respirator care	ES3  ES2  ES1	3.00  2.23  2.22
<b>Rehabilitation</b> ☼ 5 days or more (15 min per day minimum) in any combination of Speech, Occupational or Physical Therapy in last 7 days. [O0400A4, O0400B4, O0400C4] <b>AND</b> 150 minutes or greater in any combination of Speech, Occupational or Physical Therapy in last 7 days. [O0400A1, O0400A2, O0400A3; O0400B1, O0400B2, O0400B3; O0400C1, O0400C2, O0400C3] <b>OR</b> ☼ 3 days or more (15 min per day minimum) in any combination of Speech, Occupational or Physical Therapy in last 7 days. [O0400A4, O0400B4, O0400C4] <b>AND</b> 45 minutes or greater in any combination of Speech, Occupational or Physical Therapy in last 7 days. [O0400A1, O0400A2, O0400A3; O0400B1, O0400B2, O0400B3; O0400C1, O0400C2, O0400C3] <b>AND</b> at least 2 nursing rehabilitation services (See nursing rehabilitation qualification description in this document.)	15-16  11-14  6-10  2-5  0-1	None  None  None  None  None	RAE  RAD  RAC  RAB  RAA	1.65  1.58  1.36  1.10  0.82
<b>Special Care High</b> (ADL Score of >=2 or more and at least one of the following ☼.) ☼ Comatose (B0100) and completely ADL dependent or ADL did not occur (G0110A1, G0110B1, G0110H1, G0110I1 all = 4 or 8) ☼ Septicemia (I2100) ☼ Diabetes (I2900) with both of the following: • Insulin injections for all 7 days (N0350A = 7) • Insulin order changes on 2 or more days (N0350B >= 2) ☼ Quadriplegia (I5100) with ADL score >= 5 ☼ Asthma or COPD (I6200) <b>AND</b> shortness of breath while lying flat (J1100C) ☼ Fever (J1550A) and one of the following: • Pneumonia (I2000) • Vomiting (J1550B) <b>OR</b> • Weight loss (K0300 = 1 or 2) • Feeding Tube (K0510B1 or K0510B2) with at least 51% of total calories (K0700A = 3) <b>OR</b> 26% to 50% through parenteral/enteral intake (K0700A = 2) and fluid intake is 501cc or more per day (K0700B = 2) ☼ Parenteral/IV feedings (K0510A1 or K0510A2) ☼ Respiratory therapy for all 7 days (O0400D2 = 7) ☼ If a resident qualifies for Special Care High but the ADL score is 1 or less then resident classifies as Clinically Complex	15-16  15-16  11-14  11-14  6-10  6-10  2-5  2-5	Depression  No Depression  Depression  No Depression  Depression  No Depression  Depression  No Depression  Note: See description of Depression Indicator, page 4.	HE2  HE1  HD2  HD1  HC2  HC1  HB2  HB1	1.88  1.47  1.69  1.33  1.57  1.23  1.55  1.22

Domain	ADL Score	Exit Splits or Special Requirements	RUG-IV Group	EMI (GMS Sel. P1)
<b>Special Care Low</b> (ADL score of 2 or more and at least one of the following ☞.) ☞ Cerebral palsy (I4400) with ADL score $\geq 5$ ☞ Multiple sclerosis (I5200) with ADL score $\geq 5$ ☞ Parkinson's disease (I5300) with ADL score $\geq 5$ ☞ Respiratory failure (I6300) and oxygen therapy while a resident (O0100C2) ☞ Feeding Tube (K0510B1 or K0510B2) with at least 51% of total calories (K0700A = 3) OR 26% to 50% through parenteral/enteral intake (K0700A = 2) and fluid intake is 501cc or more per day (K0700B = 2) ☞ Two or more stage 2 pressure ulcer (M0300B1) with two or more skin treatments: <ul style="list-style-type: none"> <li>• Pressure relieving chair (M1200A) and/or bed M1200B)</li> <li>• Turning/repositioning (M1200C)</li> <li>• Nutrition or hydration intervention (M1200D)</li> <li>• Ulcer care (M1200E)</li> <li>• Application of dressings (M1200G)</li> <li>• Application of ointments (M1200H)</li> </ul> ☞ Any stage 3 or 4 pressure ulcer (M0300C1, D1, F1) with two or more skin treatments (See list of skin treatments above.) ☞ Two or more venous/arterial ulcers (M1030) with two or more skin treatments. (See list of skin treatments above.) ☞ One stage 2 pressure ulcer (M0300B1, and 1 venous/arterial ulcer (M1030) with 2 or more skin treatments (See list of skin treatments above.) ☞ Foot infection (M1040A), diabetic foot ulcer (M1040B) or other open lesion of foot (M1040C) with application of dressings to the feet (M1200I) ☞ Radiation treatment while a resident (O0100B2) ☞ Dialysis treatment while a resident (O0100J2)	15-16	Depression	LE2	1.61
	15-16	No Depression	LE1	1.26
	11-14	Depression	LD2	1.54
	11-14	No Depression	LD1	1.21
	6-10	Depression	LC2	1.30
	6-10	No Depression	LC1	1.02
	2-5	Depression	LB2	1.21
	2-5	No Depression	LB1	0.95
			<i>Note: See description of Depression Indicator, page 4.</i>	
	<b>Clinically Complex</b> (At least one of the following ☞.) ☞ Pneumonia (I2000) ☞ Hemiplegia/hemiparesis (I4900) with ADL score $\geq 5$ ☞ Surgical wounds (M1040E) or open lesion (M1040D) with any selected skin treatment <ul style="list-style-type: none"> <li>• Surgical wound care (M1200F)</li> <li>• Application of nonsurgical dressings (M1200G) not to feet</li> <li>• Application of ointments (M1200H) not to feet</li> </ul> ☞ Burns (M1040F) ☞ Chemotherapy while a resident (O0100A2) ☞ Oxygen therapy while a resident (O0100C2) ☞ IV Medications while a resident (O0100H2) ☞ Transfusions while a resident (O0100I2)	15-16	Depression	CE2
15-16		No Depression	CE1	1.25
11-14		Depression	CD2	1.29
11-14		No Depression	CD1	1.15
6-10		Depression	CC2	1.08
6-10		No Depression	CC1	0.96
2-5		Depression	CB2	0.95
2-5		No Depression	CB1	0.85
0-1		Depression	CA2	0.73
0-1		No Depression	CA1	0.65
		<i>Note: See description of Depression Indicator, page 4.</i>		



Domain	ADL Score	End Splits or Special Requirements	RUG-IV Group	GM/ICMS Set PDI
<b>Behavior Symptoms and Cognitive Performance</b> ✦ BIMS score of 9 or less AND an ADL score of 5 or less <b>OR</b> Cognitive Performance Scale score of 3 or greater AND an ADL score of 5 or less (See description of BIMS and Cognitive Performance Scale) ✦ Hallucinations (E0100A) ✦ Delusions (E0100B) ✦ Physically behavioral symptoms directed towards others (E0200A = 2 or 3) ✦ Verbal behavioral symptoms directed towards others (E0200B = 2 or 3) ✦ Other behavioral symptoms not directed towards others (E0200C = 2 or 3) ✦ Rejection of care (E0800 = 2 or 3) ✦ Wandering (E0900 = 2 or 3)	2-5	2 or more Nursing Rehabilitation Services	BB2	0.81
	2-5	0-1 Nursing Rehabilitation Services	BB1	0.75
	0-1	2 or more Nursing Rehabilitation Services	BA2	0.58
	0-1	0-1 Nursing Rehabilitation Services	BA1	0.53
			<i>Note: See description of Nursing Rehabilitation, page 4.</i>	
Physically Functioning Reduced No Clinical Conditions	15-16	2 or more Nursing Rehabilitation Services	PE2	1.25
	15-16	0-1 Nursing Rehabilitation Services	PE1	1.17
	11-14	2 or more Nursing Rehabilitation Services	PD2	1.15
	11-14	0-1 Nursing Rehabilitation Services	PD1	1.06
	6-10	2 or more Nursing Rehabilitation Services	PC2	0.91
	6-10	0-1 Nursing Rehabilitation Services	PC1	0.85
	2-5	2 or more Nursing Rehabilitation Services	PB2	0.70
	2-5	0-1 Nursing Rehabilitation Services	PB1	0.65
	0-1	2 or more Nursing Rehabilitation Services	PA2	0.49
	0-1	0-1 Nursing Rehabilitation Services	PA1	0.45
		<i>Note: See description of Nursing Rehabilitation, page 4.</i>		

### ADL Scoring

ADL	Self-Performance	Support	ADL Score
Bed Mobility (G0110A), Transfer (G0110B), Toilet Use (G0110I)	Coded -, 0, 1, 7, or 8	Any Number	0
	Coded 2	Any Number	1
	Coded 3	-, 0, 1, or 2	2
	Coded 4	-, 0, 1, or 2	3
	Code 3 or 4	3	4
Eating (G0110H)	Coded -, 0, 1, 2, 7 or 8	-, 0, 1, or 8	0
	Coded -, 0, 1, 2, 7 or 8	2 or 3	2
	Coded 3 or 4	-, 0 or 1	2
	Coded 3	2 or 3	3
	Coded 4	2 or 3	4

ADL Score = sum of ADL score for Bed Mobility, Transfer, Toilet Use and Eating

## Depression Indicator

The depression end split is determined by either the total severity score from the resident interview in section D0200 (PHQ-9©) or from the total severity score from the staff assessment of mood D0500 (PHQ9-OV©).

- Residents that were interviewed D0300 (Total Severity Score)  $\geq 10$  and D0300  $\leq 27$
- Staff Assessment – Interview not conducted D0600 (Total Severity Score  $\geq 10$  and D0600  $\leq 30$ )

## Nursing Rehabilitation

Nursing Rehabilitation Services – 2 or more required to be provided 6 or more days a week

- Passive range of motion (O0500A) and/or Active range of motion (O0500B)\*
- Bed mobility training (O0500D) and/or walking training (O0500F)\*
- Splint or brace assistance (O0500C)
- Transfer training (O0500E)
- Dressing and/or grooming training (O0500G)
- Eating and/or swallowing training (O0500H)
- Amputation/prosthesis (O0500I)
- Communication training (O0500J)

No count of days required for:

- Current toileting program or trial (H0200C) and/or Bowel toileting program (H0500)\*

\* Count as one service even if both are provided

## Cognitive Impairment

Cognitive impairment is determined by either the summary score from the resident interview in section C0200-C400 (BIMS) or from the calculation of Cognitive Performance Scale if the BIMS is not conducted.

## Brief Interview for Mental Status (BIMS)

- BIMS summary score (C0500  $\leq 9$ )

## Cognitive Performance Scale

Determine whether the resident is cognitively impaired based on the staff assessment rather than on resident interview. The RUG-IV Cognitive Performance Scale (CPS) is used to determine cognitive impairment.

The resident is cognitively impaired if one of the three following conditions exists:

1. B0100 Coma (B0100 = 1) and completely ADL dependent or ADL did not occur (G0110A1, G0110B1, G0110H1, G0100I1 all = 4 or 8)
2. C1000 Severely impaired cognitive skills (C1000 = 3)
3. B0700, C0700, C1000 Two or more of the following impairment indicators are present:

B0700 > 0 Problem being understood

C0700 = 1 Short-term memory problem

C1000 > 0 Cognitive skills problem

**and**

One or more of the following severe impairment indicators are present:

B0700  $\geq 2$  Severe problem being understood

C1000  $\geq 2$  Severe cognitive skills problem