

**MDS 3.0 RUG-IV DECISION TREE – 48 GROUPE**  
**Minnesota Case Mix System**

Domain (Description)	ADL Score	End Splits or Special Requirements	MN RUG-IV Group
<p><b>Extensive Services</b> (At least one of the following ♦.)</p> <p>♦ Tracheostomy Care while a resident (O0100E2)</p> <p>♦ Ventilator or respirator while a resident (O0100F2)</p> <p>♦ Infection isolation while a resident (O0100M2)</p>	<p>&gt;= 2</p> <p>&gt;= 2</p> <p>&gt;= 2</p>	<p>Tracheostomy care <b>and</b> ventilator/respirator</p> <p>Tracheostomy care <b>or</b> ventilator/respirator</p> <p>Infection isolation:</p> <ul style="list-style-type: none"> <li>• <b>without</b> tracheostomy care</li> <li>• <b>without</b> ventilator or respirator care</li> </ul>	<p>ES3</p> <p>ES2</p> <p>ES1</p>
<p><b>Rehabilitation</b></p> <p>♦ 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] AND 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]</p> <p style="text-align: center;"><b>OR</b></p> <p>♦ 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] AND 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] AND at least 2 nursing rehabilitation services (See nursing rehabilitation qualification description in this document.)</p>	<p>15-16</p> <p>11-14</p> <p>6-10</p> <p>2-5</p> <p>0-1</p>	<p>None</p> <p>None</p> <p>None</p> <p>None</p> <p>None</p>	<p>RAE</p> <p>RAD</p> <p>RAC</p> <p>RAB</p> <p>RAA</p>

Domain (Description)	ADL Score	End Splits or Special Requirements	MN RUG-IV Group
<b>Special Care High</b> (ADL Score of $\geq 2$ or more and at least one of the following ♦.)	15-16	Depression	HE2
♦ Comatose (B0100) and completely ADL dependent or ADL did not occur (G0100A1, G0100B1, G0100H1, G0100I1 all = 4 or 8)	15-16	No Depression	HE1
♦ Septicemia (I2100)	11-14	Depression	HD2
♦ Diabetes (I2900) with <b>both</b> of the following:	11-14	No Depression	HD1
• Insulin injections for all 7 days (N0350A = 7)	6-10	Depression	HC2
• Insulin order changes on 2 or more days (N0350B $\geq 2$ )	6-10	No Depression	HC1
♦ Quadriplegia (I5100) with ADL score $\geq 5$	2-5	Depression	HB2
♦ Asthma or COPD (I6200) <b>AND</b> shortness of breath while lying flat (J1100C)	2-5	No Depression	HB1
♦ Fever (J1550A) and one of the following:		Note: See description of depressions indicator.	
• Pneumonia (I2000)			
• Vomiting (J1550B) OR			
• Weight loss (K0300 = 1 or 2)			
• Feeding Tube (K0500B) 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)			
♦ Parenteral/IV feedings (K0500A)			
♦ 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			

Domain (Description)	ADL Score	End Splits or Special Requirements	MN RUG-IV Group
<b>Special Care Low ADL score of 2 or more and at least one of the following ♦.)</b>	15-16	Depression	LE2
♦ Cerebral palsy (I4400) with ADL score >=5	15-16	No Depression	LE1
♦ Multiple sclerosis (I5200) with ADL score >= 5	11-14	Depression	LD2
♦ Parkinson's disease(I5300) with ADL score >= 5	11-14	No Depression	LD1
♦ Respiratory failure (I6300) and oxygen therapy while a resident (O0100C2)	6-10	Depression	LC2
♦ Feeding Tube (K0500B) 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)	6-10	No Depression	LC1
♦ Two or more stage 2 pressure ulcer (M0300B1) with two or more skin treatments **	2-5	Depression	LB2
• Pressure relieving chair (M1200A) and/or bed M1200B)	2-5	No Depression	LB1
• Turning/repositioning (M1200C)			
• Nutrition or hydration intervention (M1200D)			
• Ulcer care (M1200E)			
• Application of dressings (M1200G)			
• Application of ointments (M1200H)			
♦ Any stage 3 or 4 pressure ulcer (M0300C1, D1, F1) with two or more skin treatments **See above list			
♦ Two or more venous/arterial ulcers (M1030) with two or more skin treatments. * * See above listing			
♦ One stage 2 pressure ulcer (M0300B1, and 1 venous/arterial ulcer (M1030) with 2 or more skin treatments			
* * See above listing of skin treatments			
♦ 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)			
		Note: See description of depressions indicator.	

Domain (Description)	ADL Score	End Splits or Special Requirements	MN RUG-IV Group
<b>Clinically Complex</b> (At least one of the following) <ul style="list-style-type: none"> <li>◆ Pneumonia (I2000)</li> <li>◆ Hemiplegia/hemiparesis (I4900) with ADL score <math>\geq</math> 5</li> <li>◆ 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> </li> <li>◆ Burns (M1040F)</li> <li>◆ Chemotherapy while a resident (O0100A2)</li> <li>◆ Oxygen therapy while a resident (O0100C2)</li> <li>◆ IV Medications while a resident (O0100H2)</li> <li>◆ Transfusions while a resident (O0100I2)</li> </ul>	15-16	Depression	CE2
	15-16	No Depression	CE1
	11-14	Depression	CD2
	11-14	No Depression	CD1
	6-10	Depression	CC2
	6-10	No Depression	CC1
	2-5	Depression	CB2
	2-5	No Depression	CB1
	0-1	Depression	CA2
	0-1	No Depression	CA1
		Note: See description of depressions indicator.	
<b>Behavior Symptoms and Cognitive Performance</b> <ul style="list-style-type: none"> <li>◆ BIMS score of 9 or less AND an ADL score of 5 or less</li> </ul> <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) <ul style="list-style-type: none"> <li>◆ Hallucinations [E0100A]</li> <li>◆ Delusions [E0100B]</li> <li>◆ Physically behavioral symptoms directed towards others (E0200A = 2 or 3)</li> <li>◆ Verbal behavioral symptoms directed towards others (E0200B = 2 or 3)</li> <li>◆ Other behavioral symptoms not directed towards others (E0200C = 2 or 3)</li> <li>◆ Rejection of care (E0800 = 2 or 3)</li> <li>◆ Wandering (E0900 = 2 or 3)</li> </ul>	2-5	2 or more Nursing Rehabilitation Services	BB2
	2-5	0-1 nursing rehabilitation services	BB1
	0-1	2 or more Nursing Rehabilitation Services	BA2
	0-1	0-1 nursing rehabilitation services	BA1
		(See description of nursing rehabilitation.)	

Domain (Description)	ADL Score	End Splits or Special Requirements	MN RUG-IV Group
<b>Physically Functioning Reduced</b>  No Clinical Conditions	15-16	2 or more Nursing Rehabilitation Services	PE2
	15-16	0-1 Nursing Rehabilitation Services	PE1
	11-14	2 or more Nursing Rehabilitation Services	PD2
	11-14	0-1 Nursing Rehabilitation Services	PD1
	6-10	2 or more Nursing Rehabilitation Services	PC2
	6-10	0-1 Nursing Rehabilitation Services	PC1
	2-5	2 or more Nursing Rehabilitation Services	PB2
	2-5	0-1 Nursing Rehabilitation Services	PB1
	0-1	2 or more Nursing Rehabilitation Services	PA2
	0-1	0-1 Nursing Rehabilitation Services (See description of Nursing Rehabilitation Services)	PA1
<b>MN Specific Classifications</b>			
Default for New Admissions with a stay of less than 14 days	N/A	Facility makes an annual election for all residents with less than 14 day stay	DDF
Penalty for an assessment that is completed and /or submitted more than 7 days late from due date	N/A	Penalty is effective from the date the assessment was due until the first of the month following the submission to the state	AAA

## 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

## 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 <= 9)
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### 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 >= 2 Severe problem being understood

C1000 >= 2 Severe cognitive skills problem