

Table RA-5. Risk-Adjustment Covariate Definitions for the SNF Functional Outcome Measures: Discharge Self-Care Score and Discharge Mobility

Covariates/5-Day PPS MDS	Covariate Category/MDS Items
Model Intercept	--
Age Group	≤54 Years (Admission Date (A1600), Birth Date (A0900))
Age Group	55-64 Years (Admission Date (A1600), Birth Date (A0900))
Age Group (Reference Category)	65-74 Years (Admission Date (A1600), Birth Date (A0900))
Age Group	75-84 Years (Admission Date (A1600), Birth Date (A0900))
Age Group	85-90 Years (Admission Date (A1600), Birth Date (A0900))
Age Group	>90 Years (Admission Date (A1600), Birth Date (A0900))
Admission Function	Continuous Form (Eating (GG0130A1), Oral Hygiene (GG0130B1), Toileting Hygiene (GG0130C1), Roll Left and Right (GG0170A1), Lying to Sitting on Side of Bed (GG0170C1), Sit to Stand (GG0170D1), Chair/Bed-to-Chair Transfer (GG0170E1), Toilet Transfer (GG0170F1), Walk 10 Feet (GG0170I1), Walk 50 Feet With 2 Turns (GG0170J1), Wheel 50 Feet With 2 Turns (GG0170R1))
Admission Function	Squared Form (Eating (GG0130A1), Oral Hygiene (GG0130B1), Toileting Hygiene (GG0130C1), Roll Left and Right (GG0170A1), Lying to Sitting on Side of Bed (GG0170C1), Sit to Stand (GG0170D1), Chair/Bed-to-Chair Transfer (GG0170E1), Toilet Transfer (GG0170F1), Walk 10 Feet (GG0170I1), Walk 50 Feet With 2 Turns (GG0170J1), Wheel 50 Feet With 2 Turns (GG0170R1))
Primary Medical Condition Category (Reference Category)	Hip and Knee Replacements (Active Diagnoses (I0020))
Primary Medical Condition Category	Stroke (Active Diagnoses (I0020))
Primary Medical Condition Category	Non-Traumatic Brain Dysfunction and Traumatic Brain Dysfunction (Active Diagnoses (I0020))
Primary Medical Condition Category	Non-Traumatic Spinal Cord Dysfunction (Active Diagnoses (I0020))
Primary Medical Condition Category	Traumatic Spinal Cord Dysfunction (Active Diagnoses (I0020))
Primary Medical Condition Category	Progressive Neurological Conditions (Active Diagnoses (I0020))
Primary Medical Condition Category	Other Neurological Conditions (Active Diagnoses (I0020))
Primary Medical Condition Category	Fractures and Other Multiple Trauma (Active Diagnoses (I0020))
Primary Medical Condition Category	Amputation (Active Diagnoses (I0020))
Primary Medical Condition Category	Other Orthopedic Conditions (Active Diagnoses (I0020))
Primary Medical Condition Category	Debility, Cardiorespiratory Conditions (Active Diagnoses (I0020))
Primary Medical Condition Category	Medically Complex Conditions (Active Diagnoses (I0020))
Interaction of Admission Self-Care Score and Primary Medical Condition Category (Reference Category)	Hip and Knee Replacements
Interaction of Admission Function Score and Primary Medical Condition Category (Reference Category)	Hip and Knee Replacements
Interaction of Admission Function Score and Primary Medical Condition Category	Stroke

Interaction of Admission Function Score and Primary Medical Condition Category	Non-Traumatic Brain Dysfunction and Traumatic Brain Dysfunction
Interaction of Admission Function Score and Primary Medical Condition Category	Non-Traumatic Spinal Cord Dysfunction
Interaction of Admission Function Score and Primary Medical Condition Category	Traumatic Spinal Cord Dysfunction
Interaction of Admission Function Score and Primary Medical Condition Category	Progressive Neurological Conditions
Interaction of Admission Function Score and Primary Medical Condition Category	Other Neurological Conditions
Interaction of Admission Function Score and Primary Medical Condition Category	Fractures and Other Multiple Trauma
Interaction of Admission Function Score and Primary Medical Condition Category	Amputation
Interaction of Admission Function Score and Primary Medical Condition Category	Other Orthopedic Conditions
Interaction of Admission Function Score and Primary Medical Condition Category	Debility, Cardiorespiratory Conditions
Interaction of Admission Function Score and Primary Medical Condition Category	Medically Complex Conditions
Prior Surgery	Yes (Prior Surgery (J2000))
Prior Functioning, Self-Care	Dependent (Self-Care (GG0100A))
Prior Functioning, Self-Care	Some Help (Self-Care (GG0100A))
Prior Functioning, Indoor Mobility (Ambulation)	Dependent (Indoor Mobility (Ambulation) (GG0100B))
Prior Functioning, Indoor Mobility (Ambulation)	Some Help (Indoor Mobility (Ambulation) (GG0100B))
Prior Functioning, Stairs	Dependent (Stairs (GG0100C))
Prior Functioning, Stairs	Some Help (Stairs (GG0100C))
Prior Functioning, Functional Cognition	Dependent (Functional Cognition (GG0100D))
Prior Mobility Device Use	Walker (GG0110D)
Prior Mobility Device Use	Manual Wheelchair (GG0110A) and/or Motorized Wheelchair and/or Scooter (GG0110B)
Prior Mobility Device Use	Mechanical Lift (GG0110C)
Prior Mobility Device Use	Orthotics/Prosthetics (GG0110E)
No Physical or Occupational Therapy – Admission	Not Present (Occupational Therapy Individual Minutes (O0400B1), Concurrent Minutes (O0400B2), Group Minutes (O0400B3), Physical Therapy Individual Minutes (O0400C1), Concurrent Minutes (O0400C2), Group Minutes (O0400C3))
Stage 2 Pressure Ulcer – Admission	Present (Number of Stage 2 Pressure Ulcers (M0300B1))
Stage 3, 4 or Unstageable Pressure Ulcer/Injury – Admission	Present (Number of Stage 3 Pressure Ulcers (M0300C1), Number of Stage 4 Pressure Ulcers (M0300D1), Number of Unstageable Pressure Ulcers due to Non-Removable Dressing/Device (M0300E1), Number of Unstageable Pressure Ulcers due to Coverage of Wound Bed by Slough and/or Eschar (M0300F1), Number of Unstageable Pressure Ulcers With Suspected Deep Tissue Injury in Evolution (M0300G1))

Cognitive Function, Brief Interview for Mental Status Score – Admission	Moderately Impaired (BIMS Summary Score (C0500), Memory/Recall Ability: Current Season, Location of Own Room, Staff Names and Faces, That They are in a Nursing Home/Hospital Swing Bed (C0900A/B/C/D))
Cognitive Function, Brief Interview for Mental Status Score - Admission	Severely Impaired (BIMS Summary Score (C0500), Memory/Recall Ability: Current Season, Location of Own Room, Staff Names and Faces, That They are in a Nursing Home/Hospital Swing Bed, None of the Above Were Recalled (C0900A/B/C/D/Z))
Communication Impairment – Admission	Moderate to Severe (Makes Self Understood (B0700), Ability to Understand Others (B0800))
Communication Impairment – Admission	Mild (Makes Self Understood (B0700), Ability to Understand Others (B0800))
Urinary Continence – Admission	Occasionally Incontinent, Frequently Incontinent, or Always Incontinent (Urinary Continence (H0300))
Urinary Continence – Admission	Not Rated (Indwelling Urinary Catheter (H0300))
Bowel Continence – Admission	Occasionally Incontinent, Frequently Incontinent (Bowel Continence (H0400))
Bowel Continence – Admission	Always Incontinent (Bowel Continence (H0400))
History of Falls – Admission	History of One or More Falls in the 6 Months Prior to Admission, Including a Fracture Related to a Fall in the 6 Months Prior to Admission (Fall History on Admission/Entry or Reentry (J1700A, J1700B, J1700C))
Nutritional Approaches – Admission	Mechanically Altered Diet (K0520C3)
Total Parenteral/IV Feeding or Tube Feeding – Admission	Parenteral/IV Feeding (K0520A) or Feeding Tube (K0520B)
High BMI	High BMI (Weight (K0200B), Height (K0200A))
Low BMI	Low BMI (Weight (K0200B), Height (K0200A))
Comorbidity	Septicemia, Sepsis, Systemic Inflammatory Response Syndrome/Shock (HCC2) (Septicemia (I2100), Additional Active Diagnosis (I8000), Primary Medical Condition Category (I0020B))
Comorbidity	Metastatic Cancer and Acute Leukemia (HCC8) (Cancer With or Without Metastasis (I0100), Additional Active Diagnosis (I8000), Primary Medical Condition Category (I0020B))
Comorbidity	Lymphoma and Other Cancers (HCC10) (Additional Active Diagnosis (I8000), Primary Medical Condition Category (I0020B))
Comorbidity	Colorectal, Bladder, and Other Cancers (HCC11) (Additional Active Diagnosis (I8000), Primary Medical Condition Category (I0020B))
Comorbidity	Diabetes: Diabetes With Chronic Complications (HCC18), Diabetes Without Complication (HCC19) (Diabetes Mellitus (I2900), Additional Active Diagnosis (I8000), Primary Medical Condition Category (I0020B))
Comorbidity	Other Significant Endocrine and Metabolic Disorders (HCC23) (Additional Active Diagnosis (I8000), Primary Medical Condition Category (I0020B))

Comorbidity	Intestinal Obstruction/Perforation (HCC33) (Additional Active Diagnosis (I8000), Primary Medical Condition Category (I0020B))
Comorbidity	Dementia: Dementia With Complications (HCC51), Dementia Without Complications (HCC52) (Non-Alzheimer's Dementia (I4800), Additional Active Diagnosis (I8000), Primary Medical Condition Category (I0020B))
Comorbidity	Mental Health Disorders: Schizophrenia (HCC57), Major Depressive, Bipolar, and Paranoid Disorders (HCC58), Reactive and Unspecified Psychosis (HCC59), Personality Disorders (HCC60) (Depression (I5800), Bipolar (I5900), Psychotic-Other Than Schizophrenia (I5950), Schizophrenia (I6000), Additional Active Diagnosis (I8000), Primary Medical Condition Category (I0020B))
Comorbidity	Tetraplegia (Excluding Complete and Severe Tetraplegia) (HCC70) and Paraplegia (HCC71) (Paraplegia (I5000), Quadriplegia (I5100), Additional Active Diagnosis (I8000), Primary Medical Condition Category (I0020B), Active Diagnoses - Non-Traumatic Spinal Cord Dysfunction or Traumatic Spinal Cord Dysfunction (I0020))
Comorbidity	Multiple Sclerosis (HCC77) (Multiple Sclerosis (I5200), Additional Active Diagnosis (I8000), Primary Medical Condition Category (I0020B), Active Diagnoses - Progressive Neurological Conditions (I0020))
Comorbidity	Parkinson's and Huntington's Diseases (HCC78) (Huntington's Disease (I5250), Parkinson's (I5300), Additional Active Diagnosis (I8000), Primary Medical Condition Category (I0020B), Active Diagnoses - Progressive Neurological Conditions (I0020))
Comorbidity	Angina Pectoris (HCC88) (Additional Active Diagnosis (I8000), Primary Medical Condition Category (I0020B), Active Diagnoses - Debility, Cardiorespiratory Conditions (I0020))
Comorbidity	Hemiplegia/ Hemiparesis (HCC103) (Hemiplegia or Hemiparesis (I4900), Additional Active Diagnosis (I8000), Primary Medical Condition Category (I0020B))
Comorbidity	Aspiration, Bacterial, and Other Pneumonias: Aspiration and Specified Bacterial Pneumonias (HCC114), Pneumococcal Pneumonia, Empyema, Lung Abscess (HCC115) (Pneumonia (I2000), Additional Active Diagnosis (I8000), Primary Medical Condition Category (I0020B), Active Diagnoses - Debility, Cardiorespiratory Conditions (I0020))
Comorbidity	Dialysis Status (HCC134), Chronic Kidney Disease, Stage 5 (HCC136) (Special Treatment, Procedures, and Programs: Dialysis (O0110J1), Additional Active Diagnosis (I8000), Primary Medical Condition Category (I0020B))
Comorbidity	Chronic Kidney Disease - Stages 1-4, Unspecified: Chronic Kidney Disease, Severe (Stage 4) (HCC137), Chronic Kidney Disease, Moderate (Stage 3) (HCC138), Chronic Kidney Disease, Mild or Unspecified (Stages 1-2 or Unspecified) (HCC139) (Renal Insufficiency, Renal Failure, or ESRD (I5100), Additional Active Diagnosis (I8000), Primary Medical Condition Category (I0020B))
Comorbidity	Major Head Injury (HCC167) (Additional Active Diagnosis (I8000), Primary Medical Condition Category (I0020B))
Comorbidity	Amputations: Traumatic Amputations and Complications (HCC173), Amputation Status, Lower Limb/ Amputation Complications (HCC189) (Limb Prosthesis (GG0120D), Training and Skill Practice in Amputation (O0500I), Additional Active Diagnosis (I8000), Primary Medical Condition Category (I0020B), Primary Medical Condition (I0020))