



# Case Scenarios



**Palmetto GBA**<sup>SM</sup>  
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**CS #01.IRF.2008**

CG is a 64 year old right-handed beneficiary who at baseline is very athletic and independent in activities of daily living. She lives with her husband in a two-story private residence - with three steps to enter and ten stairs to access the second story. CG presented to a hospital emergency department (ED) with a two-week history of mental status changes, decline in function, and right sided weakness. A CT scan of her brain revealed a large midline mass with significant edema. A subsequent MRI revealed a diffuse, enhancing midline lesion of the posterior corpus callosum extending into both parietal lobes and to the anterior portion of the third ventricle - satellite lesions were noted. Stereotactic biopsy of the brain tumor was positive for glioblastoma multiforme. CG was started on Decadron® to help control brain swelling, whole brain radiation and chemotherapy with Temadar® to help shrink the tumor, and received both physical and occupational therapy (PT and OT) during the acute hospitalization. Following a 9 day acute inpatient stay, it was recommended that CG be transferred to an Inpatient Rehabilitation Facility (IRF) to help further address her right hemiplegia, cognitive impairment, and decline in functional status and for ongoing treatment and assessment of her care needs – all in anticipation for her return home. The overall rehab goal was “to improve functional independence and engage the family in training and education”. While in the IRF she would also continue radiation oncology and medical oncology consultations.

Her Past Medical History was significant for a history of osteoarthritis in both knees and other joints, a left total knee arthroplasty two years prior to this admission, and prior right shoulder surgery. There was a history of bipolar depressive illness.

The Family History was significant for ovarian and breast cancer in her mother.

CG’s Social History was significant for not smoking or using alcohol and the fact that she had been actively playing tennis and basketball in the recent past.

Her Review of Systems only revealed occasional right sided and temporal headaches.

Vital Signs Temp = 97.8, pulse = 60, respiratory rate = 16 and BP = 108/69

Upon admission to the IRF, CG demonstrated decreased strength in her right upper extremity: shoulder abduction 3/5, elbow flexion 3/5, elbow extension 3/5, grip 4, finger extension 4. Right lower extremity strength was as follows: hip flexion 2-3/5, knee extension 3/5, ankle dorsiflexion 0-1/5, ankle plantar flexion 2/5. Motor evaluation was otherwise normal. While observed to be “alert and oriented x3” CG exhibited difficulty with cognition, specifically decreased concentration, short-term memory, and difficulty following complex instructions. She required cueing to perform tasks safely. CG was able to move from supine to sitting with moderate assistance, sitting to standing with moderate assistance, and had fair sitting balance. Right upper extremity neglect was noted. She required total assistance with toileting and locomotion, maximal assistance with bathing, dressing lower extremities, and all transfers. She required minimal assistance with eating, grooming and dressing upper body. Foley catheter was in place on admission, but subsequently discontinued.

The patient’s course in the rehab center was described as only partially successful. Achievement of CG’s PT and OT goals were limited due to “severe cognitive linguistic deficits”. Severe deficits were noted in attention, memory for daily events and new learning, and organization. She was noted to be “impulsive” often attempting to do more than she was actually able to do – this responded well to a trial of Amantadine. At discharge CG required moderate assistance with dressing lower extremities, toileting and all transfers, and supervision for bathing and dressing upper extremities. CG was unable to realize her mobility goals due to orthostatic hypotension, noted on attempts at ambulation, and the previously

noted cognitive and motor impairments. She required maximal assistance with wheelchair mobility at discharge. The care rendered by the rehabilitation trained physician, the rehabilitation trained nurses, PT, OT, and SLP, nutritionist and social worker was well documented. There were modifications made in her care plan according to her lack of progression.

**Description of scenario using ICD-9-CM:**

191.8 Malignant neoplasm of brain - Glioblastoma multiforme  
342.91 Hemiplegia affecting dominant side  
310.1 Personality change due to conditions classified elsewhere  
715.90 Osteoarthritis  
296.80 Bipolar disorder, unspecified  
V43.65 Organ or tissue replaced by other means – knee joint

**Additional description of scenario using ICF:****ICF Components: Body Functions and Structures****ICF Domain: Structures of the nervous system**

s110 - Structure of the brain  
    s1100 - Structure of cortical lobes  
        s11002 - Parietal lobes

**ICF Domain: Structures related to movement**

s750 - Structure of lower leg  
    s75011 - knee joint

**ICF Domain: Mental function**

b114 – Orientation functions  
    b1140 - Orientation to time  
    b1141 – Orientation to place  
    b1142 – Orientation to person  
  
b130 - Energy and drive functions  
    b1304 - Impulse control  
  
b140 - Attention functions  
    b1400 – Sustaining attention  
    b1401 – Shifting attention  
    b1402 – Dividing attention  
  
b144 - Memory functions  
    b1440 – short-term memory

b164 – Higher-level cognitive functions

b1641 – Organization and planning

b1643 – Insight

b1645 – Judgment

b1646 – Problem-solving

b176 – Mental functions of sequencing complex movements

**ICF Domain: Sensory functions and pain**

b280 – Sensation of pain

b28010 – Pain in head and neck

b28016 – Pain in joints

**ICF Domain: Voice and Speech functions**

b320 – Articulation functions – Functions of the production of speech sounds were intact

**ICF Domain: Functions of the Cardiovascular, hematological, immunological and respiratory systems**

b420 – Blood pressure functions

b4201 – Decreased blood pressure

**ICF Domain: Neuromuscular and movement related functions**

b710 – Mobility of joint functions

b7100 – Mobility of a single joint (knee)

b730 – Muscle power functions

b7302 – Power of muscles of one side (right hemiplegia)

b770 – Gait pattern functions

**ICF component: [Activities and Participation](#)**

**ICF Domain: Learning and applying knowledge**

d160 – Focusing attention

d175 – Solving problems

d177 – Making decisions

**ICF Domain: General tasks and demands**

d210 – Undertaking a single task

d230 – Carrying out daily routine

d240 – Handling stress and other psychological demands

**ICF Domain: Communication**

d310 – Receiving spoken messages - intact

d330 – Speaking - intact

**ICF Domain: Mobility**

d410 – Changing basic body position

d4100 - Lying down

d4104 – Standing

d415 – Maintaining a body position

d4153 – Maintaining a sitting position

d4154 – Maintaining a standing position

d420 – Transferring oneself

d4200 Transferring oneself while sitting

d450 – Walking

d4500 – Walking short distances

d455 – Moving around

d4551 – Climbing

d465 – Moving around using equipment

**ICF Domain: Self-care**

d510 - Washing oneself

d5100 - Washing body parts

d5101 - Washing whole body

d5102 - Drying oneself

d530 - Toileting

d5300 - Regulating urination

d540 - Dressing

d5400 - Putting on clothes  
d5401 - Taking off clothes  
d5402 - Putting on footwear  
d5403 - Taking off footwear

**ICF Domain: Domestic life**

d630 – Preparing meals

d640 – Doing housework

**ICF Domain: Community, social and civic life**

d920 – Recreation and leisure (e.g., play, sports, arts and culture, crafts, hobbies, and socializing)

d930 – Religion and spirituality

**ICF Component: Environmental Factors:**

**ICF Domain: Products and technology**

e115 - Products and technology for personal use in daily living

e1151 - Assistive products and technology for personal use in daily living [Ankle-foot orthosis]

e1158 - Products and technology for personal use in daily living, other specified [bed-side commode]

e120 - Products and technology for personal indoor and outdoor mobility and transportation

e1201 - Assistive products and technology for personal indoor and outdoor mobility and transportation [wheelchair]

**ICF Domain: Support and relationships**

e310 - Immediate family

**Going Beyond Diagnosis® Using ICF Guidelines Worksheet - CS #01.IRF.2008**

<b>ICF Components</b>	<b>Description/Disability</b>	<b>Intervention(s)</b>	<b>Outcome</b>
<b>Body Functions</b>			
b1140	intact		
b1141	intact		
b1142	intact		
b1304			
b1400			
b1401			
b1402			
b1440			
b1641			
b1643			
b1645			
b1646			
b176			
b28010			
b28016			
b320	intact		
b4201			
b7100			
b7302			
b770			
<b>Body Structures</b>			
s11002			
s75011			
<b>Activities and Participation</b>			
d160			
d175			
d177			
d210			
d230			
d240			
d310	intact		
d330	intact		
d4100			
d4104			
d4153			
d4154			
d4200			
d4500			
d4551			

d465			
d5100			
d5101			
d5102			
d5300			
d5400			
d5401			
d5402			
d5403			
d630			
d640			
d920			
d930			
<b>Environmental Factors</b>			
e1151			
e1158			
e1201			
e310			
<b>Medical Review Determination:</b>			
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**CS #03.SNF.2008**

AB a 90 year old white female entered a snf for rehab s/p L THR following a 10 day hospitalization. She sustained a fx while "running up the stairs in her high heels". Prior to surgery, she was living independently in her own home in Michigan in the summer and her own home in Florida in the winter. She was independent in all ADL's and IADL's and was driving, although she limited her driving to daylight hours only. She even worked as an election poll worker during election season.

She has significant osteoporosis, although she remains active (plays piano, walks 2 miles daily and is active in her community). She has a hx of renal adenocarcinoma that was managed surgically by removing her kidney in 2000 and she has had no subsequent problems. She also reports a history of "diabetes" but has independently managed her diabetes with diet. Her ht is 5'0" (she reports a former ht of 5'5") and her weight is 95lbs.

She was diagnosed with wet macular degeneration in both eyes in 2005 and has been under the care of an ophthalmologist and was treated with Macugen<sup>®</sup> (for 20 months to which she has responded well. During her stay in the hospital, she experienced shingles following a pattern over her cheek and eyelids, affecting her conjunctiva and cornea. The resulting shingles have left her legally blind and in significant pain. She has recently become depressed. Her family (one daughter and grandchildren) is supportive and will help her transition to independent living. She has a significant social network in her retirement village and many volunteers who will help her transition to her home. Her Florida home is a 40' x 120' manufactured home which was recently replaced after Hurricane Charlie and has 10 steps to enter.

Pt's goal is to return to her home(s) and live independently in the community. She would like to wear high heels again.

Status upon admission:

Dependent ADL/IADL (dependent in bathing, dressing, toileting, preparing meals - driving, home management and community participation have not been assessed)

Using walker for ambulation, weight bearing as tolerated

Legally blind

Depressed

Poor appetite

Pain (from THR and shingles)

Compliant with Posterior hip precautions

Decreased endurance

Equipment: walker, reacher, long handed sponge

**Description of scenario using ICD-9 CM:**

820.02 Fracture of neck of femur, midcervical section

V43.64 Organ or tissue replaced by other means, hip joint

**Description of scenario using ICD-9 CM procedure code:**

81.51 Total hip replacement

**Secondary Conditions:**

311 Depressive disorder, not elsewhere classified

**Comorbid Conditions:**

733.00 Osteoporosis  
189.0 Malignant neoplasm of kidney, except pelvis  
250 Diabetes mellitus -diet controlled  
362.52 Wet macular degeneration  
053.2 Herpes zoster with ophthalmic complications  
783.22 Underweight

**Description of scenario using the ICF:****ICF Component: Body Structures****ICF Domain: The eye, ear, and related structures**

- s220 Structure of eyeball
  - s2200 Conjunctiva, sclera, choroid
  - s2201 Cornea
  
- s230 Structures around eye
  - s2301 Eyelid
  - s2308 Structures around eye, other specified

**ICF Domain: Structures related to the genitourinary and reproductive systems**

- s610 Structure of urinary system
  - s6100 Kidneys

**ICF Domain: Structures related to movement**

- s750 Structure of lower extremity
  - s75000 Bones of thigh
  - s75001 Hip joint
  - s75002 Muscles of thigh
  - s75003 Ligaments and fascla of thigh
  
- s760 Structure of trunk
  - s7600 Structure of vertebral column

**ICF Domain: Skin and related structures**

- s810 Structure of areas of skin
  - s8100 Skin of head and neck region
  - s8104 Skin of lower extremity

**ICF Component: Body Functions****ICF Domain: Mental functions**

- b130 Energy and drive functions
  - b1302 Appetite

- b134 Sleep functions
  - b1343 Quality of sleep

**ICF Domain: Sensory functions and pain**

- b210 seeing functions
  - b2100 Visual acuity functions
  - b2101 Visual field functions
  - b2102 Quality of vision
- b280 Sensation of pain
  - b2800 Generalized pain
    - b28016 Pain in joints
  - b2803 Radiating pain in dermatome

**ICF Domain: Functions of the cardiovascular, hematological, immunological and respiratory systems**

- b455 Exercise tolerance functions
  - b4550 General physical endurance

**ICF Domain: Functions of the digestive, metabolic and endocrine systems**

- b530 Weight maintenance functions

**ICF Domain: Neuromuscular and movement-related functions**

- b710 Mobility of joint functions
  - b7100 Mobility of a single joint
- b730 Muscle power functions
  - b7300 Power of isolated muscles and muscle groups
- b740 Muscle endurance functions
- b770 Gait pattern functions
- b780 Sensations related to muscles and movement functions

**ICF Domain: Functions of the skin and related structures**

- b820 Repair functions of the skin

**ICF Component: [Activities and Participation](#)****ICF Domain: Mobility**

- d410 Changing basic body position
  - d4100 Lying down
  - d4103 Sitting
  - d4104 Standing
  - d4106 Shifting the body's center of gravity

- d415 Maintaining a body position
  - d4153 Maintaining a sitting position
  - d4154 Maintaining a standing position
- d420 Transferring oneself
  - d4200 Transferring oneself while sitting
  - d4201 Transferring oneself while lying
- d430 Lifting and carrying objects
  - d4300 Lifting
  - d4301 Carrying in the hands
  - d4302 Carrying in the arms
- d450 Walking
  - d4500 Walking short distances
  - d4501 Walking long distances
  - d4502 Walking on different surfaces
  - d4503 Walking around obstacles
- d455 Moving around
  - d4551 Climbing
- d460 Moving around in different locations
  - d4600 Moving around within the home
  - d4601 Moving around within buildings other than the home
  - d4602 Moving around outside the home and other buildings
- d465 Moving around using equipment
- d470 Using transportation
  - d4701 Using private motorized transportation
- d475 Driving
  - d4751 Driving motorized vehicles

**ICF Domain: Self-care**

- d510 Washing oneself
  - d5100 Washing body parts
  - d5101 Washing whole body
  - d5102 Drying oneself
- d520 Caring for body parts
  - d5200 Caring for skin
  - d5204 Caring for toenails
- d530 Toileting
- d540 Dressing
  - d5400 Putting on clothes
  - d5401 Taking off clothes
  - d5402 Putting on footwear

d5403 Taking off footwear  
d5404 Choosing appropriate clothing

**ICF Domain: Domestic life**

d620 Acquisition of goods and services  
d630 Preparing meals  
d640 Doing housework  
d650 Caring for household objects  
d6504 Maintaining assistive devices

**ICF Domain: Interpersonal interactions and relationships**

d750 Informal social relationships  
d7500 Informal relationships with friends  
d7501 Informal relationships with neighbors

**ICF Domain: Major life areas**

d850 Remunerative employment  
d8501 Part-time employment

**ICF Domain: Community, social and civic life**

d910 Community life  
d9100 Informal associations  
d920 Recreation and leisure  
d9202 Arts and culture  
d9205 Socializing  
d950 Political life and citizenship

**ICF Component: Environmental Factors**

**ICF Domain: Products and technology**

e115 Products and technology for personal use in daily living  
e1151 Assistive products and technology for personal use in daily living  
e1158 Products and technology for personal use in daily living, other specified  
e120 Products and technology for personal indoor and outdoor mobility and transportation  
e1201 Assistive products and technology for personal indoor and outdoor mobility and transportation

- e150 Design, construction and building products and technology of buildings for public use
- e155 Design, construction, and building products and technology of buildings for private use

**ICF Domain: Natural environment and human-made changes to environment**

- e225 Climate
  - e2255 Seasonal variation
- e230 Natural events

**ICF Domain: Support and relationships**

- e310 Immediate family
- e320 Friends
- e325 Acquaintances, peers, colleagues, neighbors, and community members
- e355 Health professionals

**ICF Domain: Attitudes**

- e410 Individual attitudes of immediate family members
- e425 Individual attitudes of acquaintances, peers, colleagues, neighbors, and community members
- e450 Individual attitudes of health professionals
- e465 Social norms, practices, and ideologies

**ICF Domain: Services, systems, and policies**

- e570 Social security services, systems and policies
  - e5700 Social security services
- e580 Health services, systems, and policies
  - e5800 Health services
  - e5802 Health policies

**Going Beyond Diagnosis® Using ICF Guidelines Worksheet**

ICF Components	Description/Disability	Possible Intervention(s)	Potential Progression/Goals
<b>Body Functions</b>			
b1302-appetite	underweight 95lbs		
b1343-quality of sleep	pain, depression, pain requiring repositioning		
b2100-visual acuity functions	legally blind		
b2101- visual field functions	legally blind		
b2102-quality of vision	legally blind, shingles		
b2800-generalized pain	shingles, post-surgical pain	Therapeutic exercise, physical agents/mechanical modalities as indicated	Pain is decreased
b28016-pain in joints	hip joint	Therapeutic Exercise, physical agents/mechanical modalities as indicated	Pain is decreased
b2803-radiating pain in a dermatome	shingles		
b4550-general physical endurance	previously walked 2 miles/day	Therapeutic Exercise	Endurance is increased
b530-weight maintenance functions	underweight 95 lbs, 5'0" d/t compression fractures	Patient/client related instruction	Behaviors that foster healthy habits, wellness, and prevention are acquired
b7100-mobility of a single joint	hip joint	Therapeutic Exercise (Range of motion, stretching); patient/client related instruction in hip precautions	ROM is improved; Risk of secondary impairment is reduced.
b7300-power of isolated muscles & muscle groups	secondary to surgery	Therapeutic Exercise (strength, power, and endurance training)	Increase strength of LE muscles
b740-muscle endurance functions	Secondary to surgery and immobilization	Therapeutic Exercise (aerobic capacity/endurance conditioning)	Muscle performance is increased
b770-gait pattern functions	limping	Therapeutic Exercise (Gait and locomotion training); Application of Assistive Devices and Equipment (walker, etc)	Gait, locomotion, and balance are improved. Level of supervision required for task performance is decreased.
b780-sensations related to muscles and movement functions	secondary to surgery and immobilization	Therapeutic Exercise (Range of Motion, Stretching )	Tolerance of positions and activities is improved
b820-repair functions of the skin	recent surgical incision	Integumentary Repair and Protection Techniques (Dressings as indicated if non-healing wound); Patient/Client Related Instruction (in skin care, scar mobility, etc)	Integumentary integrity is improved. Risk factors are reduced; Risk of secondary impairment is reduced.
<b>Body Structures</b>			
s2200-conjunctiva, sclera, choroid	shingles		
s2201-cornea	shingles		
s2301-eyelid	shingles		
s2308-structures around eye, other specified	shingles		
s6100-kidneys	kidney removed		
s75000-bones of thigh	fracture		

## Going Beyond Diagnosis® Using ICF Guidelines Worksheet

ICF Components	Description/Disability	Possible Intervention(s)	Potential Progression/Goals
s75001-hip joint	secondary to surgery	Therapeutic Exercise; Patient/client related instruction in hip precautions	ROM is improved; Risk of secondary impairment is reduced. Joint integrity and mobility are improved.
s75002-muscles of thigh	secondary to surgery	Therapeutic Exercise (strength, power, and endurance training, active assistive, active, resistive exercises as indicated)	Muscle performance is increased
s75003-ligaments and fascia of thigh			
s7600-structure of vertebral column	compression fractures	Therapeutic Exercise (Posture awareness training, body mechanics and postural stabilization); patient/client related instruction.	Risk factors are reduced. Risk of secondary impairment is reduced. Postural control is improved. Tolerance of positions and activities is improved
s8100-skin of head & neck region	shingles-pattern over cheek & eyelids		
s8104-skin of lower extremity	diabetes, surgical incision	Integumentary Repair and Protection Techniques (Dressings as indicated if non-healing wound); Patient/Client Related Instruction (in skin care, scar mobility, etc)	Integumentary integrity is improved. Risk factors are reduced; Risk of secondary impairment is reduced.
<b>Activities and Participation</b>			
d4100-changing basic body position-lying down	pain in hip when moving, hip precautions	Functional Training in Self-Care (Bed mobility, transfer training); Therapeutic Exercise (gait training, postural control, balance, coordination); Patient/client related instruction in hip precautions	Ability to perform physical actions, tasks, or activities related to self-care and home management is increased. Tolerance of positions and activities is increased. Level of supervision for task performance is decreased; weight bearing status is improved.
d4103-changing basic body position-sitting	pain in hip when moving, hip precautions	Functional Training in Self-Care (Bed mobility, transfer training); Therapeutic Exercise (gait training, postural control, balance, coordination); Patient/client related instruction in hip precautions	Ability to perform physical actions, tasks, or activities related to self-care and home management is increased. Tolerance of positions and activities is increased. Level of supervision for task performance is decreased; weight bearing status is improved.
d4104-changing basic body position-standing	pain in hip when moving, hip precautions	Functional Training in Self-Care (Bed mobility, transfer training); Therapeutic Exercise (gait training, postural control, balance, coordination); Patient/client related instruction in hip precautions	Ability to perform physical actions, tasks, or activities related to self-care and home management is increased. Tolerance of positions and activities is increased. Level of supervision for task performance is decreased; weight bearing status is improved.

**Going Beyond Diagnosis® Using ICF Guidelines Worksheet**

<b>ICF Components</b>	<b>Description/Disability</b>	<b>Possible Intervention(s)</b>	<b>Potential Progression/Goals</b>
d4106-changing basic body position-shifting the body's center of gravity	pain in hip when moving, hip precautions	Functional Training in Self-Care (Bed mobility, transfer training); Therapeutic Exercise (gait training, postural control, balance, coordination); Patient/client related instruction in hip precautions	Ability to perform physical actions, tasks, or activities related to self-care and home management is increased. Tolerance of positions and activities is increased. Level of supervision for task performance is decreased; weight bearing status is improved.
d4153-maintaining a sitting position	pain in hip, hip precautions	Functional Training in Self-Care; Therapeutic Exercise (postural control, balance, coordination, endurance conditioning); Patient/client related instruction in hip precautions	Ability to perform physical actions, tasks, or activities related to self-care and home management is increased. Tolerance of positions and activities is increased. Level of supervision for task performance is decreased; endurance is increased.
d4154-maintaining a standing position	pain in hip	Functional Training in Self-Care; Therapeutic Exercise (postural control, balance, coordination, endurance conditioning); Patient/client related instruction in hip precautions; Devices and equipment use and training.	Ability to perform physical actions, tasks, or activities related to self-care and home management is increased. Tolerance of positions and activities is increased. Level of supervision for task performance is decreased; endurance is increased.
d4200-transferring oneself while sitting	pain in hip	Functional Training in Self-Care (Bed mobility, transfer training); Therapeutic Exercise (gait training, postural control, balance, coordination); Patient/client related instruction in hip precautions	Ability to perform physical actions, tasks, or activities related to self-care and home management is increased. Tolerance of positions and activities is increased. Level of supervision for task performance is decreased; endurance is increased.
d4201-transferring oneself while lying	pain in hip	Functional Training in Self-Care (Bed mobility, transfer training); Therapeutic Exercise (postural control, balance, coordination); Patient/client related instruction in hip precautions	Ability to perform physical actions, tasks, or activities related to self-care and home management is increased. Tolerance of positions and activities is increased. Level of supervision for task performance is decreased; endurance is increased.
d4300-lifting		Therapeutic Exercise (strength, power, endurance training; postural awareness and control training; body mechanics training, balance, coordination training); Patient/client related instruction	Ability to perform physical actions, tasks, or activities related to self-care and home management is increased. Tolerance of positions and activities is increased. Level of supervision for task performance is decreased; endurance is increased.

**Going Beyond Diagnosis® Using ICF Guidelines Worksheet**

<b>ICF Components</b>	<b>Description/Disability</b>	<b>Possible Intervention(s)</b>	<b>Potential Progression/Goals</b>
d4301-carrying in the hands		Therapeutic Exercise (strength, power, endurance training; postural awareness and control training; body mechanics training; balance, coordination training); Patient/client related instruction	Ability to perform physical actions, tasks, or activities related to self-care and home management is increased. Tolerance of positions and activities is increased. Level of supervision for task performance is decreased; endurance is increased. Risk factors are reduced; Risk of secondary impairment is reduced.
d4302-carrying in the arms		Therapeutic Exercise (strength, power, endurance training; postural awareness and control training; body mechanics training; balance, coordination training); Patient/client related instruction	Ability to perform physical actions, tasks, or activities related to self-care and home management is increased. Tolerance of positions and activities is increased. Level of supervision for task performance is decreased; endurance is increased. Risk factors are reduced; Risk of secondary impairment is reduced.
d4500-walking short distances	pain in hip, was independent in ambulation	Functional Training in Self-Care; Therapeutic Exercise (gait and locomotion training, postural control, balance, coordination, endurance conditioning); Patient/client related instruction in hip precautions; Devices and equipment use and training.	Gait, locomotion, and balance are improved; Ability to perform physical actions, tasks, or activities related to self-care and home management is increased. Tolerance of positions and activities is increased. Level of supervision for task performance is decreased; endurance is increased. Risk factors are reduced; Risk of secondary impairment is reduced.
d4501-walking long distances	pain in hip, was independent in ambulation	Functional Training in Self-Care; Therapeutic Exercise (gait and locomotion training, postural control, balance, coordination, endurance conditioning); Patient/client related instruction in hip precautions; Devices and equipment use and training.	Gait, locomotion, and balance are improved; Ability to perform physical actions, tasks, or activities related to self-care and home management is increased. Tolerance of positions and activities is increased. Level of supervision for task performance is decreased; endurance is increased. Risk factors are reduced; Risk of secondary impairment is reduced.
d4502-walking on different surfaces	pain in hip, was independent in ambulation	Functional Training in Self-Care; Therapeutic Exercise (gait and locomotion training, postural control, balance, coordination, endurance conditioning); Patient/client related instruction in hip precautions; Devices and equipment use and training.	Gait, locomotion, and balance are improved; Ability to perform physical actions, tasks, or activities related to self-care and home management is increased. Tolerance of positions and activities is increased. Level of supervision for task performance is decreased; endurance is increased. Risk factors are reduced; Risk of secondary impairment is reduced.

**Going Beyond Diagnosis® Using ICF Guidelines Worksheet**

<b>ICF Components</b>	<b>Description/Disability</b>	<b>Possible Intervention(s)</b>	<b>Potential Progression/Goals</b>
d4503-walking around obstacles		Functional Training in Self-Care; Therapeutic Exercise (gait and locomotion training, postural control, balance, coordination, endurance conditioning); Patient/client related instruction in hip precautions; Devices and equipment use and training.	Gait, locomotion, and balance are improved; Ability to perform physical actions, tasks, or activities related to self-care and home management is increased. Tolerance of positions and activities is increased. Level of supervision for task performance is decreased; endurance is increased. Risk factors are reduced; Risk of secondary impairment is reduced.
d4551-climbing	Florida home has 10 steps to enter	Functional Training in Self-Care; Therapeutic Exercise (gait and locomotion training, postural control, balance, coordination, endurance conditioning); Patient/client related instruction in hip precautions; Devices and equipment use and training.	Gait, locomotion, and balance are improved; Ability to perform physical actions, tasks, or activities related to self-care and home management is increased. Tolerance of positions and activities is increased. Level of supervision for task performance is decreased; endurance is increased. Risk factors are reduced; Risk of secondary impairment is reduced.
d4600-moving around within the home		Functional Training in Self-Care; Therapeutic Exercise (gait and locomotion training, postural control, balance, coordination, endurance conditioning); Patient/client related instruction in hip precautions; Devices and equipment use and training.	Gait, locomotion, and balance are improved; Ability to perform physical actions, tasks, or activities related to self-care and home management is increased. Tolerance of positions and activities is increased. Level of supervision for task performance is decreased; endurance is increased. Risk factors are reduced; Risk of secondary impairment is reduced.
d4601-moving around within buildings other than home		Functional Training in Self-Care; Therapeutic Exercise (gait and locomotion training, postural control, balance, coordination, endurance conditioning); Patient/client related instruction in hip precautions; Devices and equipment use and training.	Gait, locomotion, and balance are improved; Ability to perform physical actions, tasks, or activities related to self-care and home management is increased. Tolerance of positions and activities is increased. Level of supervision for task performance is decreased; endurance is increased. Risk factors are reduced; Risk of secondary impairment is reduced.
d4602-moving around outside the home and other buildings		Functional Training in Self-Care; Therapeutic Exercise (gait and locomotion training, postural control, balance, coordination, endurance conditioning); Patient/client related instruction in hip precautions; Devices and equipment use and training.	Gait, locomotion, and balance are improved; Ability to perform physical actions, tasks, or activities related to self-care and home management is increased. Tolerance of positions and activities is increased. Level of supervision for task performance is decreased; endurance is increased. Risk factors are reduced; Risk of secondary impairment is reduced.

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<b>ICF Components</b>	<b>Description/Disability</b>	<b>Possible Intervention(s)</b>	<b>Potential Progression/Goals</b>
d465-moving around using equipment		Functional Training in Self-Care; Therapeutic Exercise (gait and locomotion training, postural control, balance, coordination, endurance conditioning); Patient/client related instruction in hip precautions; Devices and equipment use and training.	Gait, locomotion, and balance are improved; Ability to perform physical actions, tasks, or activities related to self-care and home management is increased. Tolerance of positions and activities is increased. Level of supervision for task performance is decreased; endurance is increased. Risk factors are reduced; Risk of secondary impairment is reduced.
d4701-using private motorized transportation		Functional Training in Self-Care; Therapeutic Exercise (gait and locomotion training, postural control, balance, coordination, endurance conditioning); Patient/client related instruction in hip precautions; Devices and equipment use and training.	Gait, locomotion, and balance are improved; Ability to perform physical actions, tasks, or activities related to self-care and home management is increased. Tolerance of positions and activities is increased. Level of supervision for task performance is decreased; endurance is increased. Risk factors are reduced; Risk of secondary impairment is reduced.
d4751-driving motorized vehicles	was driving in daylight hours	Functional Training in Self-Care; Therapeutic Exercise (gait and locomotion training, postural control, balance, coordination, endurance conditioning); Patient/client related instruction in hip precautions; Devices and equipment use and training; Driving Assessment.	Gait, locomotion, and balance are improved; Ability to perform physical actions, tasks, or activities related to self-care and home management is increased. Tolerance of positions and activities is increased. Level of supervision for task performance is decreased; endurance is increased. Risk factors are reduced; Risk of secondary impairment is reduced.
d5100-washing body parts	ADL training, stretching, ROM exercises long handled sponge	Functional Training in Self-Care; Therapeutic Exercise (flexibility exercises – muscle lengthening, range of motion, stretching, postural control, balance, coordination, flexibility, endurance conditioning); Patient/client related instruction in hip precautions; Devices and equipment use and training.	Gait, locomotion, and balance are improved; Ability to perform physical actions, tasks, or activities related to self-care and home management is increased. Tolerance of positions and activities is increased. Level of supervision for task performance is decreased; endurance is increased. Risk factors are reduced; Risk of secondary impairment is reduced.
d5101-washing whole body	ADL training, stretching, ROM exercises long handled sponge	Functional Training in Self-Care; Therapeutic Exercise (flexibility exercises – muscle lengthening, range of motion, stretching, postural control, balance, coordination, flexibility, endurance conditioning); Patient/client related instruction in hip precautions; Devices and equipment use and training.	Gait, locomotion, and balance are improved; Ability to perform physical actions, tasks, or activities related to self-care and home management is increased. Tolerance of positions and activities is increased. Level of supervision for task performance is decreased; endurance is increased. Risk factors are reduced; Risk of secondary impairment is reduced.

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<b>ICF Components</b>	<b>Description/Disability</b>	<b>Possible Intervention(s)</b>	<b>Potential Progression/Goals</b>
d5102-drying oneself	ADL training, stretching, ROM exercises	Functional Training in Self-Care; Therapeutic Exercise (flexibility exercises – muscle lengthening, range of motion, stretching, postural control, balance, coordination, flexibility, endurance conditioning); Patient/client related instruction in hip precautions; Devices and equipment use and training.	Gait, locomotion, and balance are improved; Ability to perform physical actions, tasks, or activities related to self-care and home management is increased. Tolerance of positions and activities is increased. Level of supervision for task performance is decreased; endurance is increased. Risk factors are reduced; Risk of secondary impairment is reduced.
d5200-caring for skin	incision care	Integumentary Repair and Protection Techniques (Dressings as indicated if non-healing wound); Patient/Client Related Instruction (in skin care, scar mobility, etc)	Integumentary integrity is improved. Soft tissue and wound healing is enhanced. Wound size is reduced.
d5204-caring for toenails	Diabetes	Integumentary Repair and Protection Techniques (Dressings as indicated if non-healing wound); Patient/Client Related Instruction (in skin/toenail care, scar mobility, etc)	Disability associated with acute or chronic illness is reduced. Health status is improved. Risk of secondary impairment is reduced.
d530-toileting		Functional Training in Self-Care; Therapeutic Exercise (gait and locomotion training, postural control, balance, coordination, endurance conditioning); Patient/client related instruction in hip precautions; Devices and equipment use and training.	Gait, locomotion, and balance are improved; Ability to perform physical actions, tasks, or activities related to self-care and home management is increased. Tolerance of positions and activities is increased. Level of supervision for task performance is decreased; endurance is increased. Risk factors are reduced; Risk of secondary impairment is reduced.
d5400-putting on clothes		Functional Training in Self-Care; Therapeutic Exercise (gait and locomotion training, postural control, balance, coordination, flexibility, endurance conditioning); Patient/client related instruction in hip precautions; Devices and equipment use and training.	Gait, locomotion, and balance are improved; Ability to perform physical actions, tasks, or activities related to self-care and home management is increased. Tolerance of positions and activities is increased. Level of supervision for task performance is decreased; endurance is increased. Risk factors are reduced; Risk of secondary impairment is reduced.
d5401-taking off clothes		Functional Training in Self-Care; Therapeutic Exercise (gait and locomotion training, postural control, balance, coordination, flexibility, endurance conditioning); Patient/client related instruction in hip precautions; Devices and equipment use and training.	Gait, locomotion, and balance are improved; Ability to perform physical actions, tasks, or activities related to self-care and home management is increased. Tolerance of positions and activities is increased. Level of supervision for task performance is decreased; endurance is increased. Risk factors are reduced; Risk of secondary impairment is reduced.

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<b>ICF Components</b>	<b>Description/Disability</b>	<b>Possible Intervention(s)</b>	<b>Potential Progression/Goals</b>
d5402-putting on footwear		Functional Training in Self-Care; Therapeutic Exercise (gait and locomotion training, postural control, balance, coordination, flexibility, endurance conditioning); Patient/client related instruction in hip precautions; Devices and equipment use and training.	Gait, locomotion, and balance are improved; Ability to perform physical actions, tasks, or activities related to self-care and home management is increased. Tolerance of positions and activities is increased. Level of supervision for task performance is decreased; endurance is increased. Risk factors are reduced; Risk of secondary impairment is reduced.
d5403-taking off footwear		Functional Training in Self-Care; Therapeutic Exercise (gait and locomotion training, postural control, balance, coordination, flexibility, endurance conditioning); Patient/client related instruction in hip precautions; Devices and equipment use and training.	Gait, locomotion, and balance are improved; Ability to perform physical actions, tasks, or activities related to self-care and home management is increased. Tolerance of positions and activities is increased. Level of supervision for task performance is decreased; endurance is increased. Risk factors are reduced; Risk of secondary impairment is reduced.
d5404-choosing appropriate clothing			
d620-acquisition of goods & services			
d630-preparing meals			
d640-doing housework			
d6504-maintaining assistive devices	walker	Patient/client related instruction	
d7500-informal relationships with friends	community, recreational therapist in SNF		
d7501-informal relationships with neighbors			
d8501-part time employment	poll worker (paid)		
d9100-informal associations			
d9202-arts and culture	plays the piano		
d9205-socializing	active in community		
d950-political life & citizenship	election poll worker		
<b>Environmental Factors</b>			
e1151-assistive products & technology for personal use in daily living	reacher	Functional Training in Self-Care and Home Management; Functional Training in Work, Community, and Leisure (barrier accommodations or modifications); Prescription, Application, and, as appropriate, Fabrication of Devices and Equipment (Devices and equipment use and training)	Ability to perform physical actions, tasks, or activities related to self-care and home management is increased. Level of supervision for task performance is decreased. Safety is improved.

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<b>ICF Components</b>	<b>Description/Disability</b>	<b>Possible Intervention(s)</b>	<b>Potential Progression/Goals</b>
e1158-products and technology for personal use in daily living, other specified	long handled sponge	Functional Training in Self-Care Fabrication of Devices and Equipment (Devices and equipment use and training)	Ability to perform physical actions, tasks, or activities related to self-care Level of supervision for task performance is decreased. Safety is improved.
e1201-assistive products & technology for personal indoor & outdoor mobility & transportation	walker	Functional Training in Self-Care and Home Management; Functional Training in Work, Community, and Leisure (barrier accommodations or modifications); Prescription, Application, and, as appropriate, Fabrication of Devices and Equipment (Devices and equipment use and training)	Ability to perform physical actions, tasks, or activities related to self-care and home management is increased. Level of supervision for task performance is decreased. Safety is improved.
e150-design, construction, & building products & technology of buildings for	mail pick-up		
e155-design, construction, & building products & technology of buildings for private use	bathroom modifications, handrails, etc.		
e2255-seasonal variation	home change between Florida & Michigan		
e230-natural events	hurricane		
e310-immediate family	support daughter, grandchildren		
e320-friends			
e325-acquaintances, peers, colleagues, neighbors, & community	community members		
e355-health professionals	Physician, physical therapist, occupational therapist, etc.		
e410-individual attitudes of immediate family members	Supportive family	Instruction to family/caregivers	
e425-individual attitudes of acquaintances, peers, colleagues, neighbors, & community members	Significant social network. Volunteers to help with transition to home	Instruction, education, and training of volunteers if required	Awareness and use of community resources are improved.
e450-individual attitudes of health professionals			
e465-social norms, practices & ideologies	etiquette-appropriate eating behavior		
e5700-social security services	patient is 90 years old		
e575-general social support services, systems, and policies			
e5800-health services	requires follow-up		
e5802-health policies			

**Medical Review Determination:**