



Report to Congress: Unified Payment for Medicare-Covered Post-Acute Care

Analysis and development of the prototype Unified PAC
prospective payment system called for in the IMPACT Act

Appendix D

CCSR to UPCG Mappings for the Prototype

July 2022

Report to Congress: Unifying Payment for Medicare-Covered Post-Acute Care

Table D-1. Mapping of AHRQ CCSR Categories to Unified PAC Clinical Groups (UPCG)

CCSR Category	CCSR Category Description	UPCG
BLD001	Nutritional anemia	Hematological
BLD002	Hemolytic anemia	Hematological
BLD003	Aplastic anemia	Hematological
BLD004	Acute posthemorrhagic anemia	Hematological
BLD005	Sickle cell trait/anemia	Hematological
BLD006	Coagulation and hemorrhagic disorders	Hematological
BLD007	Diseases of white blood cells	Hematological
BLD008	Immunity disorders	Hematological
BLD009	Postprocedural or postoperative complications of the spleen	Hematological
BLD010	Other specified and unspecified hematologic conditions	Hematological
CIR001	Chronic rheumatic heart disease	Cardiovascular
CIR002	Acute rheumatic heart disease	Cardiovascular
CIR003	Nonrheumatic and unspecified valve disorders	Cardiovascular
CIR004	Endocarditis and endocardial disease	Cardiovascular
CIR005	Myocarditis and cardiomyopathy	Cardiovascular
CIR006	Pericarditis and pericardial disease	Cardiovascular
CIR007	Essential hypertension	Cardiovascular
CIR008	Hypertension with complications and secondary hypertension	Cardiovascular
CIR009	Acute myocardial infarction	Cardiovascular
CIR010	Complications of acute myocardial infarction	Cardiovascular
CIR011	Coronary atherosclerosis and other heart disease	Cardiovascular
CIR012	Nonspecific chest pain	Cardiovascular
CIR013	Acute pulmonary embolism	Cardiovascular
CIR014	Pulmonary heart disease	Cardiovascular
CIR015	Other and ill-defined heart disease	Cardiovascular
CIR016	Conduction disorders	Cardiovascular
CIR017	Cardiac dysrhythmias	Cardiovascular
CIR018	Cardiac arrest and ventricular fibrillation	Cardiovascular
CIR019	Heart failure	Cardiovascular
CIR020	Cerebral infarction	Stroke
CIR021	Acute hemorrhagic cerebrovascular disease	Stroke
CIR022	Sequela of hemorrhagic cerebrovascular disease	Stroke
CIR023	Occlusion or stenosis of precerebral or cerebral arteries without infarction	Stroke
CIR024	Other and ill-defined cerebrovascular disease	Stroke
CIR025	Sequela of cerebral infarction and other cerebrovascular disease	Stroke
CIR026	Peripheral and visceral vascular disease	Cardiovascular
CIR027	Arterial dissections	Cardiovascular
CIR028	Gangrene	Cardiovascular
CIR029	Aortic; peripheral; and visceral artery aneurysms	Cardiovascular
CIR030	Aortic and peripheral arterial embolism or thrombosis	Cardiovascular
CIR031	Hypotension	Cardiovascular
CIR032	Other specified and unspecified circulatory disease	Cardiovascular
CIR033	Acute phlebitis; thrombophlebitis and thromboembolism	Cardiovascular
CIR034	Chronic phlebitis; thrombophlebitis and thromboembolism	Cardiovascular

Report to Congress: Unifying Payment for Medicare-Covered Post-Acute Care

Table D-1. Mapping of AHRQ CCSR Categories to Unified PAC Clinical Groups (UPCG) (continued)

CCSR	CCSR Category Description	UPCG
CIR035	Varicose veins of lower extremity	Cardiovascular
CIR036	Post thrombotic syndrome and venous insufficiency/hypertension	Cardiovascular
CIR037	Vasculitis	Cardiovascular
CIR038	Postprocedural or postoperative circulatory system complication	Cardiovascular
CIR039	Other specified diseases of veins and lymphatics	Cardiovascular
DIG001	Intestinal infection	Gastrointestinal & Hepatobiliary
DIG002	Disorders of teeth and gingiva	Gastrointestinal & Hepatobiliary
DIG003	Diseases of mouth; excluding dental	Gastrointestinal & Hepatobiliary
DIG004	Esophageal disorders	Gastrointestinal & Hepatobiliary
DIG005	Gastroduodenal ulcer	Gastrointestinal & Hepatobiliary
DIG006	Gastrointestinal and biliary perforation	Gastrointestinal & Hepatobiliary
DIG007	Gastritis and duodenitis	Gastrointestinal & Hepatobiliary
DIG008	Other specified and unspecified disorders of stomach and duodenum	Gastrointestinal & Hepatobiliary
DIG009	Appendicitis and other appendiceal conditions	Gastrointestinal & Hepatobiliary
DIG010	Abdominal hernia	Gastrointestinal & Hepatobiliary
DIG011	Regional enteritis and ulcerative colitis	Gastrointestinal & Hepatobiliary
DIG012	Intestinal obstruction and ileus	Gastrointestinal & Hepatobiliary
DIG013	Diverticulosis and diverticulitis	Gastrointestinal & Hepatobiliary
DIG014	Hemorrhoids	Gastrointestinal & Hepatobiliary
DIG015	Anal and rectal conditions	Gastrointestinal & Hepatobiliary
DIG016	Peritonitis and intra-abdominal abscess	Gastrointestinal & Hepatobiliary
DIG017	Biliary tract disease	Gastrointestinal & Hepatobiliary
DIG018	Hepatic failure	Gastrointestinal & Hepatobiliary
DIG019	Other specified and unspecified liver disease	Gastrointestinal & Hepatobiliary
DIG020	Pancreatic disorders (excluding diabetes)	Gastrointestinal & Hepatobiliary
DIG021	Gastrointestinal hemorrhage	Gastrointestinal & Hepatobiliary
DIG022	Noninfectious gastroenteritis	Gastrointestinal & Hepatobiliary
DIG023	Noninfectious hepatitis	Gastrointestinal & Hepatobiliary
DIG024	Postprocedural or postoperative digestive system complication	Gastrointestinal & Hepatobiliary
DIG025	Other specified and unspecified gastrointestinal disorders	Gastrointestinal & Hepatobiliary
EAR001	Otitis media	Other
EAR002	Diseases of middle ear and mastoid (except otitis media)	Other
EAR003	Diseases of inner ear and related conditions	Other
EAR004	Hearing loss	Other
EAR005	Postprocedural or postoperative ear and/or mastoid process complication	Other
EAR006	Other specified and unspecified disorders of the ear	Other
END001	Thyroid disorders	Other
END002	Diabetes mellitus without complication	Other
END003	Diabetes mellitus with complication	Other
END004	Diabetes mellitus, Type 1	Other
END005	Diabetes mellitus, Type 2	Other
END006	Diabetes mellitus, due to underlying condition, drug or chemical induced, or other specified type	Other
END007	Nutritional deficiencies	Other
END008	Malnutrition	Other
END009	Obesity	Other

Report to Congress: Unifying Payment for Medicare-Covered Post-Acute Care

Table D-1. Mapping of AHRQ CCSR Categories to Unified PAC Clinical Groups (UPCG) (continued)

CCSR	CCSR Category Description	UPCG
END010	Disorders of lipid metabolism	Other
END011	Fluid and electrolyte disorders	Other
END012	Cystic fibrosis	Other
END013	Pituitary disorders	Other
END014	Postprocedural or postoperative endocrine or metabolic complication	Other
END015	Other specified and unspecified endocrine disorders	Other
END016	Other specified and unspecified nutritional and metabolic disorders	Other
END017	Sequela of malnutrition and other nutritional deficiencies	Other
EXT001	External cause codes: cut/pierce; initial encounter	Other
EXT002	External cause codes: drowning/submersion; initial encounter	Other
EXT003	External cause codes: fall; initial encounter	Other
EXT004	External cause codes: fire/burn; initial encounter	Skin
EXT005	External cause codes: firearm; initial encounter	Other
EXT006	External cause codes: machinery; initial encounter	Other
EXT007	External cause codes: motor vehicle traffic (MVT); initial encounter	Other
EXT008	External cause codes: pedal cyclist; not MVT; initial encounter	Other
EXT009	External cause codes: pedestrian; not MVT; initial encounter	Other
EXT010	External cause codes: transport; not MVT; initial encounter	Other
EXT011	External cause codes: natural/environment; initial encounter	Other
EXT012	External cause codes: bites; initial encounter	Other
EXT013	External cause codes: overexertion; initial encounter	Other
EXT014	External cause codes: poisoning by drug	Other
EXT015	External cause codes: poisoning by non-drug	Other
EXT016	External cause codes: struck by; against; initial encounter	Other
EXT017	External cause codes: suffocation/inhalation; initial encounter	Other
EXT018	External cause codes: other specified, classifiable and NEC; initial encounter	Other
EXT019	External cause codes: unspecified mechanism	Other
EXT020	External cause codes: intent of injury, accidental/unintentional	Other
EXT021	External cause codes: intent of injury, self-harm	Other
EXT022	External cause codes: intent of injury, assault	Other
EXT023	External cause codes: intent of injury, undetermined	Other
EXT024	External cause codes: intent of injury, legal intervention/war	Other
EXT025	External cause codes: complications of medical and surgical care, initial encounter	Other
EXT026	External cause codes: activity codes	Other
EXT027	External cause codes: place of occurrence of the external cause	Other
EXT028	External cause codes: evidence of alcohol involvement	Other
EXT029	External cause codes: subsequent encounter	Other
EXT030	External cause codes: sequela	Other
EYE001	Cornea and external disease	Other
EYE002	Cataract and other lens disorders	Other
EYE003	Glaucoma	Other
EYE004	Uveitis and ocular inflammation	Other
EYE005	Retinal and vitreous conditions	Other
EYE006	Neuro-ophthalmology	Other
EYE007	Strabismus	Other

Report to Congress: Unifying Payment for Medicare-Covered Post-Acute Care

Table D-1. Mapping of AHRQ CCSR Categories to Unified PAC Clinical Groups (UPCG) (continued)

CCSR	CCSR Category Description	UPCG
EYE008	Oculofacial plastics and orbital conditions	Other
EYE009	Refractive error	Other
EYE010	Blindness and vision defects	Other
EYE011	Postprocedural or postoperative eye complication	Other
EYE012	Other specified eye disorders	Other
FAC001	Encounter for administrative purposes	Other
FAC002	Encounter for mental health services related to abuse	Other
FAC003	Encounter for observation and examination for conditions ruled out (excludes infectious disease, neoplasm, mental disorders)	Other
FAC004	Encounter for prophylactic or other procedures	Other
FAC005	Encounter for prophylactic measures (excludes immunization)	Other
FAC006	Encounter for antineoplastic therapies	Other
FAC007	Encounter for mental health conditions	Other
FAC008	Neoplasm-related encounters	Cancer
FAC009	Implant, device or graft related encounter	Other
FAC010	Other aftercare encounter	Other
FAC011	Counseling related to sexual behavior or orientation	Other
FAC012	Other specified encounters and counseling	Other
FAC013	Contraceptive and procreative management	Other
FAC014	Medical examination/evaluation	Other
FAC015	Resistance to antimicrobial drugs	Other
FAC016	Exposure, encounters, screening or contact with infectious disease	Other
FAC017	No immunization or under immunization	Other
FAC018	Screening for neurocognitive or neurodevelopmental condition	Other
FAC019	Socioeconomic/psychosocial factors	Other
FAC020	Lifestyle/life management factors	Other
FAC021	Personal/family history of disease	Other
FAC022	Acquired absence of limb or organ	Other
FAC023	Organ transplant status	Transplant
FAC024	Carrier status	Other
FAC025	Other specified status	Other
GEN001	Nephritis; nephrosis; renal sclerosis	Kidney & Urinary
GEN002	Acute and unspecified renal failure	Kidney & Urinary
GEN003	Chronic kidney disease	Kidney & Urinary
GEN004	Urinary tract infections	Kidney & Urinary
GEN005	Calculus of urinary tract	Kidney & Urinary
GEN006	Other specified and unspecified diseases of kidney and ureters	Kidney & Urinary
GEN007	Other specified and unspecified diseases of bladder and urethra	Kidney & Urinary
GEN008	Urinary incontinence	Kidney & Urinary
GEN009	Hematuria	Kidney & Urinary
GEN010	Proteinuria	Kidney & Urinary
GEN011	Vesicoureteral reflux	Kidney & Urinary
GEN012	Hyperplasia of prostate	Other
GEN013	Inflammatory conditions of male genital organs	Other
GEN014	Erectile dysfunction	Other
GEN015	Male infertility	Other

Report to Congress: Unifying Payment for Medicare-Covered Post-Acute Care

Table D-1. Mapping of AHRQ CCSR Categories to Unified PAC Clinical Groups (UPCG) (continued)

CCSR	CCSR Category Description	UPCG
GEN016	Other specified male genital disorders	Other
GEN017	Nonmalignant breast conditions	Other
GEN018	Inflammatory diseases of female pelvic organs	Other
GEN019	Endometriosis	Other
GEN020	Prolapse of female genital organs	Other
GEN021	Menstrual disorders	Other
GEN022	Benign ovarian cyst	Other
GEN023	Menopausal disorders	Other
GEN024	Female infertility	Other
GEN025	Other specified female genital disorders	Other
GEN026	Postprocedural or postoperative genitourinary system complication	Kidney & Urinary
INF001	Tuberculosis	Infections
INF002	Septicemia	Infections
INF003	Bacterial infections	Infections
INF004	Fungal infections	Infections
INF005	Foodborne intoxications	Infections
INF006	HIV infection	Infections
INF007	Hepatitis	Infections
INF008	Viral infection	Infections
INF009	Parasitic, other specified and unspecified infections	Infections
INF010	Sexually transmitted infections (excluding HIV and hepatitis)	Infections
INF011	Sequela of specified infectious disease conditions	Infections
INF012	Coronavirus disease – 2019 (COVID-19)	COVID-19
INJ001	Fracture of head and neck, initial encounter	Orthopedic (Other)
INJ002	Fracture of the spine and back, initial encounter	Orthopedic (Other)
INJ003	Fracture of torso, initial encounter	Orthopedic (Other)
INJ004	Fracture of the upper limb, initial encounter	Orthopedic (Other)
INJ005	Fracture of the lower limb (except hip), initial encounter	LE Fracture (Including w/ Joint Replacement)
INJ006	Fracture of the neck of the femur (hip), initial encounter	LE Fracture (Including w/ Joint Replacement)
INJ007	Dislocations, initial encounter	Orthopedic (Other)
INJ008	Traumatic brain injury (TBI); concussion, initial encounter	Traumatic Brain Injury
INJ009	Spinal cord injury (SCI), initial encounter	Spinal Dysfunction
INJ010	Internal organ injury, initial encounter	Trauma
INJ011	Open wounds of head and neck, initial encounter	Trauma
INJ012	Open wounds to limbs, initial encounter	Trauma
INJ013	Open wounds of trunk, initial encounter	Trauma
INJ014	Amputation of a limb, initial encounter	Amputation
INJ015	Amputation of other body parts, initial encounter	Amputation
INJ016	Injury to blood vessels, initial encounter	Trauma
INJ017	Superficial injury; contusion, initial encounter	Skin
INJ018	Crushing injury, initial encounter	Trauma
INJ019	Burn and corrosion, initial encounter	Skin
INJ020	Effect of foreign body entering opening, initial encounter	Trauma
INJ021	Effect of other external causes, initial encounter	Other
INJ022	Poisoning by drugs, initial encounter	Other

Report to Congress: Unifying Payment for Medicare-Covered Post-Acute Care

Table D-1. Mapping of AHRQ CCSR Categories to Unified PAC Clinical Groups (UPCG) (continued)

CCSR	CCSR Category Description	UPCG
INJ023	Toxic effects, initial encounter	Other
INJ024	Sprains and strains, initial encounter	Orthopedic (Other)
INJ025	Injury to nerves, muscles and tendons, initial encounter	Brain Dysfunction
INJ026	Other specified injury	Trauma
INJ027	Other unspecified injury	Trauma
INJ028	Adverse effects of drugs and medicaments, initial encounter	Other
INJ029	Underdosing of drugs and medicaments, initial encounter	Other
INJ030	Drug induced or toxic related condition	Other
INJ031	Allergic reactions	Other
INJ032	Maltreatment/abuse	Other
INJ033	Complication of cardiovascular device, implant or graft, initial encounter	Cardiovascular
INJ034	Complication of genitourinary device, implant or graft, initial encounter	Kidney & Urinary
INJ035	Complication of internal orthopedic device or implant, initial encounter	Orthopedic (Other)
INJ036	Complication of transplanted organs or tissue, initial encounter	Transplant
INJ037	Complication of other surgical or medical care, injury, initial encounter	Other
INJ038	Fracture of head and neck, subsequent encounter	Orthopedic (Other)
INJ039	Fracture of the spine and back, subsequent encounter	Orthopedic (Other)
INJ040	Fracture of torso, subsequent encounter	Orthopedic (Other)
INJ041	Fracture of the upper limb, subsequent encounter	Orthopedic (Other)
INJ042	Fracture of lower limb (except hip), subsequent encounter	LE Fracture (Including w/ Joint Replacement)
INJ043	Fracture of the neck of the femur (hip), subsequent encounter	LE Fracture (Including w/ Joint Replacement)
INJ044	Dislocations, subsequent encounter	Orthopedic (Other)
INJ045	Traumatic brain injury (TBI); concussion, subsequent encounter	Traumatic Brain Injury
INJ046	Spinal cord injury (SCI), subsequent encounter	Spinal Dysfunction
INJ047	Internal organ injury, subsequent encounter	Trauma
INJ048	Open wounds of head and neck, subsequent encounter	Trauma
INJ049	Open wounds to limbs, subsequent encounter	Trauma
INJ050	Open wounds of trunk, subsequent encounter	Trauma
INJ051	Amputation of a limb, subsequent encounter	Amputation
INJ052	Amputation of other body parts, subsequent encounter	Amputation
INJ053	Injury to blood vessels, subsequent encounter	Trauma
INJ054	Superficial injury; contusion, subsequent encounter	Skin
INJ055	Crushing injury, subsequent encounter	Trauma
INJ056	Burns and corrosion, subsequent encounter	Skin
INJ057	Effect of foreign body entering opening, subsequent encounter	Trauma
INJ058	Effect of other external causes, subsequent encounter	Other
INJ059	Poisoning by drugs, subsequent encounter	Other
INJ060	Toxic effects, subsequent encounter	Other
INJ061	Sprains and strains, subsequent encounter	Orthopedic (Other)
INJ062	Injury to nerves, muscles and tendons, subsequent encounter	Brain Dysfunction
INJ063	Other specified injury, subsequent encounter	Trauma
INJ064	Other unspecified injuries, subsequent encounter	Trauma
INJ065	Adverse effects of drugs and medicaments, subsequent encounter	Other
INJ066	Underdosing of drugs and medicaments, subsequent encounter	Other
INJ067	Allergic reactions, subsequent encounter	Other

Report to Congress: Unifying Payment for Medicare-Covered Post-Acute Care

Table D-1. Mapping of AHRQ CCSR Categories to Unified PAC Clinical Groups (UPCG) (continued)

CCSR Category	CCSR Category Description	UPCG
INJ068	Maltreatment/abuse, subsequent encounter	Other
INJ069	Complication of cardiovascular device, implant or graft, subsequent encounter	Cardiovascular
INJ070	Complication of genitourinary device, implant or graft, subsequent encounter	Other
INJ071	Complication of internal orthopedic device or implant, subsequent encounter	Other
INJ072	Complication of other surgical or medical care, injury, subsequent encounter	Other
INJ073	Injury, sequela	Other
INJ074	Effect of other external causes, sequela	Other
INJ075	Poisoning/toxic effect/adverse effects/underdosing, sequela	Other
INJ076	Complication, sequela	Other
MAL001	Cardiac and circulatory congenital anomalies	Other
MAL002	Digestive congenital anomalies	Other
MAL003	Genitourinary congenital anomalies	Other
MAL004	Nervous system congenital anomalies	Other
MAL005	Congenital malformations of eye, ear, face, neck	Other
MAL006	Cleft lip or palate	Other
MAL007	Respiratory congenital malformations	Respiratory
MAL008	Musculoskeletal congenital conditions	Other
MAL009	Chromosomal abnormalities	Other
MAL010	Other specified and unspecified congenital anomalies	Other
MBD001	Schizophrenia spectrum and other psychotic disorders	Other
MBD002	Depressive disorders	Other
MBD003	Bipolar and related disorders	Other
MBD004	Other specified and unspecified mood disorders	Other
MBD005	Anxiety and fear-related disorders	Other
MBD006	Obsessive-compulsive and related disorders	Other
MBD007	Trauma- and stressor-related disorders	Other
MBD008	Disruptive, impulse-control and conduct disorders	Other
MBD009	Personality disorders	Other
MBD010	Feeding and eating disorders	Other
MBD011	Somatic disorders	Other
MBD012	Suicidal ideation/attempt/intentional self-harm	Other
MBD013	Miscellaneous mental and behavioral disorders/conditions	Other
MBD014	Neurodevelopmental disorders	Other
MBD017	Alcohol-related disorders	Other
MBD018	Opioid-related disorders	Other
MBD019	Cannabis-related disorders	Other
MBD020	Sedative-related disorders	Other
MBD021	Stimulant-related disorders	Other
MBD022	Hallucinogen-related disorders	Other
MBD023	Inhalant-related disorders	Other
MBD024	Tobacco-related disorders	Other
MBD025	Other specified substance-related disorders	Other
MBD026	Mental and substance use disorders in remission	Other
MBD027	Suicide attempt/intentional self-harm; subsequent encounter	Other
MBD028	Opioid-related disorders; subsequent encounter	Other

Report to Congress: Unifying Payment for Medicare-Covered Post-Acute Care

Table D-1. Mapping of AHRQ CCSR Categories to Unified PAC Clinical Groups (UPCG) (continued)

CCSR	CCSR Category Description	UPCG
MBD029	Stimulant-related disorders; subsequent encounter	Other
MBD030	Cannabis-related disorders; subsequent encounter	Other
MBD031	Hallucinogen-related disorders; subsequent encounter	Other
MBD032	Sedative-related disorders; subsequent encounter	Other
MBD033	Inhalant-related disorders; subsequent encounter	Other
MBD034	Mental and substance use disorders; sequela	Other
MUS001	Infective arthritis	Orthopedic (Other)
MUS002	Osteomyelitis	Orthopedic (Other)
MUS003	Rheumatoid arthritis and related disease	Orthopedic (Other)
MUS004	Juvenile arthritis	Orthopedic (Other)
MUS005	Other specified chronic arthropathy	Orthopedic (Other)
MUS006	Osteoarthritis	Orthopedic (Other)
MUS007	Other specified joint disorders	Orthopedic (Other)
MUS008	Immune-mediated/reactive arthropathies	Orthopedic (Other)
MUS009	Tendon and synovial disorders	Orthopedic (Other)
MUS010	Musculoskeletal pain, not low back pain	Orthopedic (Other)
MUS011	Spondylopathies/spondyloarthropathy (including infective)	Orthopedic (Other)
MUS012	Biomechanical lesions	Orthopedic (Other)
MUS013	Osteoporosis	Orthopedic (Other)
MUS014	Pathological fracture, initial encounter	Orthopedic (Other)
MUS015	Pathological fracture, subsequent encounter	Orthopedic (Other)
MUS016	Stress fracture, initial encounter	Orthopedic (Other)
MUS017	Stress fracture, subsequent encounter	Orthopedic (Other)
MUS018	Atypical fracture, initial encounter	Orthopedic (Other)
MUS019	Atypical fracture, subsequent encounter	Orthopedic (Other)
MUS020	Pathological, stress and atypical fractures, sequela	Orthopedic (Other)
MUS021	Acquired foot deformities	Orthopedic (Other)
MUS022	Scoliosis and other postural dorsopathic deformities	Orthopedic (Other)
MUS023	Acquired deformities (excluding foot)	Orthopedic (Other)
MUS024	Systemic lupus erythematosus and connective tissue disorders	Orthopedic (Other)
MUS025	Other specified connective tissue disease	Orthopedic (Other)
MUS026	Muscle disorders	Orthopedic (Other)
MUS027	Musculoskeletal abscess	Orthopedic (Other)
MUS028	Other specified bone disease and musculoskeletal deformities	Orthopedic (Other)
MUS029	Disorders of jaw	Orthopedic (Other)
MUS030	Aseptic necrosis and osteonecrosis	Orthopedic (Other)
MUS031	Traumatic arthropathy	Orthopedic (Other)
MUS032	Neurogenic/neuropathic arthropathy	Orthopedic (Other)
MUS033	Gout	Orthopedic (Other)
MUS034	Crystal arthropathies (excluding gout)	Orthopedic (Other)
MUS035	Osteomalacia	Orthopedic (Other)
MUS036	Autoinflammatory syndromes	Orthopedic (Other)
MUS037	Postprocedural or postoperative musculoskeletal system complication	Orthopedic (Other)
MUS038	Low back pain	Orthopedic (Other)
NEO023	Bone cancer	Cancer

Report to Congress: Unifying Payment for Medicare-Covered Post-Acute Care

Table D-1. Mapping of AHRQ CCSR Categories to Unified PAC Clinical Groups (UPCG) (continued)

CCSR Category	CCSR Category Description	UPCG
NEO030	Breast cancer - all other types	Cancer
NEO029	Breast cancer - ductal carcinoma in situ (DCIS)	Cancer
NEO069	Cancer of other sites	Cancer
NEO011	Cardiac cancers	Cancer
NEO053	Endocrine system cancers - adrenocortical	Cancer
NEO056	Endocrine system cancers - all other types	Cancer
NEO051	Endocrine system cancers - pancreas	Cancer
NEO054	Endocrine system cancers - parathyroid	Cancer
NEO055	Endocrine system cancers - pituitary gland	Cancer
NEO052	Endocrine system cancers - thymus	Cancer
NEO050	Endocrine system cancers - thyroid	Cancer
NEO038	Female reproductive system cancers - all other types	Cancer
NEO032	Female reproductive system cancers - cervix	Cancer
NEO035	Female reproductive system cancers - endometrium	Cancer
NEO034	Female reproductive system cancers - fallopian tube	Cancer
NEO033	Female reproductive system cancers - ovary	Cancer
NEO031	Female reproductive system cancers - uterus	Cancer
NEO037	Female reproductive system cancers - vagina	Cancer
NEO036	Female reproductive system cancers - vulva	Cancer
NEO021	Gastrointestinal cancers - all other types	Cancer
NEO016	Gastrointestinal cancers - anus	Cancer
NEO018	Gastrointestinal cancers - bile duct	Cancer
NEO024	Sarcoma	Cancer
NEO015	Gastrointestinal cancers - colorectal	Cancer
NEO012	Gastrointestinal cancers - esophagus	Cancer
NEO019	Gastrointestinal cancers - gallbladder	Cancer
NEO017	Gastrointestinal cancers - liver	Cancer
NEO020	Gastrointestinal cancers - peritoneum	Cancer
NEO014	Gastrointestinal cancers - small intestine	Cancer
NEO013	Gastrointestinal cancers - stomach	Cancer
NEO010	Head and neck cancers - all other types	Cancer
NEO001	Head and neck cancers - eye	Cancer
NEO006	Head and neck cancers - hypopharyngeal	Cancer
NEO008	Head and neck cancers - laryngeal	Cancer
NEO002	Head and neck cancers - lip and oral cavity	Cancer
NEO005	Head and neck cancers - nasopharyngeal	Cancer
NEO007	Head and neck cancers - pharyngeal	Cancer
NEO004	Head and neck cancers - salivary gland	Cancer
NEO003	Head and neck cancers - throat	Cancer
NEO009	Head and neck cancers - tonsils	Cancer
NEO042	Male reproductive system cancers - all other types	Cancer
NEO041	Male reproductive system cancers - penis	Cancer
NEO039	Male reproductive system cancers - prostate	Cancer
NEO040	Male reproductive system cancers - testis	Cancer
NEO049	Nervous system cancers - all other types	Cancer

Report to Congress: Unifying Payment for Medicare-Covered Post-Acute Care

Table D-1. Mapping of AHRQ CCSR Categories to Unified PAC Clinical Groups (UPCG) (continued)

CCSR	CCSR Category Description	UPCG
NEO048	Nervous system cancers - brain	Cancer
NEO022	Respiratory cancers	Cancer
NEO028	Skin cancers - all other types	Cancer
NEO026	Skin cancers - basal cell carcinoma	Cancer
NEO025	Skin cancers - melanoma	Cancer
NEO027	Skin cancers - squamous cell carcinoma	Cancer
NEO047	Urinary system cancers - all other types	Cancer
NEO043	Urinary system cancers - bladder	Cancer
NEO045	Urinary system cancers - kidney	Cancer
NEO044	Urinary system cancers - ureter and renal pelvis	Cancer
NEO057	Hodgkin lymphoma	Cancer
NEO058	Non-Hodgkin lymphoma	Cancer
NEO059	Leukemia - acute lymphoblastic leukemia (ALL)	Cancer
NEO060	Leukemia - acute myeloid leukemia (AML)	Cancer
NEO061	Leukemia - chronic lymphocytic leukemia (CLL)	Cancer
NEO062	Leukemia - chronic myeloid leukemia (CML)	Cancer
NEO063	Leukemia - hairy cell	Cancer
NEO064	Leukemia - all other types	Cancer
NEO065	Multiple myeloma	Cancer
NEO066	Malignant neuroendocrine tumors	Cancer
NEO067	Mesothelioma	Cancer
NEO068	Myelodysplastic syndrome (MDS)	Cancer
NEO046	Urinary system cancers - urethra	Cancer
NEO070	Secondary malignancies	Cancer
NEO071	Malignant neoplasm, unspecified	Cancer
NEO072	Neoplasms of unspecified nature or uncertain behavior	Cancer
NEO073	Benign neoplasms	Cancer
NEO074	Conditions due to neoplasm or the treatment of neoplasm	Cancer
NVS001	Meningitis	Brain Dysfunction
NVS002	Encephalitis	Brain Dysfunction
NVS003	Other specified CNS infection and poliomyelitis	Neurological (Other)
NVS004	Parkinson's disease	Neurological (Other)
NVS005	Multiple sclerosis	Neurological (Other)
NVS006	Other specified hereditary and degenerative nervous system conditions	Neurological (Other)
NVS007	Cerebral palsy	Neurological (Other)
NVS008	Paralysis (other than cerebral palsy)	Neurological (Other)
NVS009	Epilepsy; convulsions	Neurological (Other)
NVS010	Headache; including migraine	Neurological (Other)
NVS011	Neurocognitive disorders	Neurological (Other)
NVS012	Transient cerebral ischemia	Stroke
NVS013	Coma; stupor; and brain damage	Coma
NVS014	CNS abscess	Neurological (Other)
NVS015	Polyneuropathies	Neurological (Other)
NVS016	Sleep wake disorders	Neurological (Other)
NVS017	Nerve and nerve root disorders	Neurological (Other)

Report to Congress: Unifying Payment for Medicare-Covered Post-Acute Care

Table D-1. Mapping of AHRQ CCSR Categories to Unified PAC Clinical Groups (UPCG) (continued)

CCSR	CCSR Category Description	UPCG
NVS018	Myopathies	Neurological (Other)
NVS019	Nervous system pain and pain syndromes	Neurological (Other)
NVS020	Other specified nervous system disorders	Neurological (Other)
NVS021	Postprocedural or postoperative nervous system complication	Neurological (Other)
NVS022	Sequela of specified nervous system conditions	Neurological (Other)
PNL001	Liveborn	Other
PNL002	Short gestation; low birth weight; and fetal growth retardation	Other
PNL003	Neonatal acidemia and hypoxia	Other
PNL004	Neonatal cerebral disorders	Other
PNL005	Respiratory distress syndrome	Other
PNL006	Respiratory perinatal condition	Other
PNL007	Hemolytic jaundice and perinatal jaundice	Other
PNL008	Birth trauma	Other
PNL009	Perinatal infections	Other
PNL010	Newborn affected by maternal conditions or complications of labor/delivery	Other
PNL011	Hemorrhagic and hematologic disorders of newborn	Other
PNL012	Neonatal digestive and feeding disorders	Other
PNL013	Other specified and unspecified perinatal conditions	Other
PNL014	Neonatal abstinence syndrome	Other
PNL015	Fetal alcohol syndrome	Other
PRG001	Antenatal screening	Other
PRG002	Gestational weeks	Other
PRG003	Spontaneous abortion and complications of spontaneous abortion	Other
PRG004	Induced abortion and complications of termination of pregnancy	Other
PRG005	Ectopic pregnancy and complications of ectopic pregnancy	Other
PRG006	Molar pregnancy and other abnormal products of conception	Other
PRG007	Complications following ectopic and/or molar pregnancy	Other
PRG008	Supervision of high-risk pregnancy	Other
PRG009	Early, first or unspecified trimester hemorrhage	Other
PRG010	Hemorrhage after first trimester	Other
PRG011	Early or threatened labor	Other
PRG012	Multiple gestation	Other
PRG013	Maternal care related to fetal conditions	Other
PRG014	Polyhydramnios and other problems of amniotic cavity	Other
PRG015	Obstetric history affecting care in pregnancy	Other
PRG016	Previous C-section	Other
PRG017	Maternal care for abnormality of pelvic organs	Other
PRG018	Maternal care related to disorders of the placenta and placental implantation	Other
PRG019	Diabetes or abnormal glucose tolerance complicating pregnancy; childbirth; or the puerperium	Other
PRG020	Hypertension and hypertensive-related conditions complicating pregnancy; childbirth; and the puerperium	Other
PRG021	Maternal intrauterine infection	Other
PRG022	Prolonged pregnancy	Other
PRG023	Complications specified during childbirth	Other
PRG024	Malposition, disproportion or other labor complications	Other
PRG025	Anesthesia complications during pregnancy	Other

Report to Congress: Unifying Payment for Medicare-Covered Post-Acute Care

Table D-1. Mapping of AHRQ CCSR Categories to Unified PAC Clinical Groups (UPCG) (continued)

CCSR Category	CCSR Category Description	UPCG
PRG026	OB-related trauma to perineum and vulva	Other
PRG027	Complications specified during the puerperium	Other
PRG028	Other specified complications in pregnancy	Other
PRG029	Uncomplicated pregnancy, delivery or puerperium	Other
PRG030	Maternal outcome of delivery	Other
RSP001	Sinusitis	Respiratory
RSP002	Pneumonia (except that caused by tuberculosis)	Respiratory
RSP003	Influenza	Respiratory
RSP004	Acute and chronic tonsillitis	Respiratory
RSP005	Acute bronchitis	Respiratory
RSP006	Other specified upper respiratory infections	Respiratory
RSP007	Other specified and unspecified upper respiratory disease	Respiratory
RSP008	Chronic obstructive pulmonary disease and bronchiectasis	Respiratory
RSP009	Asthma	Respiratory
RSP010	Aspiration pneumonitis	Respiratory
RSP011	Pleurisy, pleural effusion and pulmonary collapse	Respiratory
RSP012	Respiratory failure; insufficiency; arrest	Respiratory
RSP013	Lung disease due to external agents	Respiratory
RSP014	Pneumothorax	Respiratory
RSP015	Mediastinal disorders	Respiratory
RSP016	Other specified and unspecified lower respiratory disease	Respiratory
RSP017	Postprocedural or postoperative respiratory system complication	Respiratory
SKN001	Skin and subcutaneous tissue infections	Skin
SKN002	Other specified inflammatory condition of skin	Skin
SKN003	Pressure ulcer of skin	Skin
SKN004	Non-pressure ulcer of skin	Skin
SKN005	Contact dermatitis	Skin
SKN006	Postprocedural or postoperative skin complication	Skin
SKN007	Other specified and unspecified skin disorders	Skin
SYM001	Syncope	Cardiovascular
SYM002	Fever	Infections
SYM003	Shock	Cardiovascular
SYM004	Nausea and vomiting	Other
SYM005	Dysphagia	Other
SYM006	Abdominal pain and other digestive/abdomen signs and symptoms	Other
SYM007	Malaise and fatigue	Other
SYM008	Symptoms of mental and substance use conditions	Other
SYM009	Abnormal findings related to substance use	Other
SYM010	Nervous system signs and symptoms	Neurological (Other)
SYM011	Genitourinary signs and symptoms	Gastrointestinal & Hepatobiliary
SYM012	Circulatory signs and symptoms	Cardiovascular
SYM013	Respiratory signs and symptoms	Respiratory
SYM014	Skin/Subcutaneous signs and symptoms	Skin
SYM015	General sensation/perception signs and symptoms	Other
SYM016	Other general signs and symptoms	Other

Report to Congress: Unifying Payment for Medicare-Covered Post-Acute Care

Table D-1. Mapping of AHRQ CCSR Categories to Unified PAC Clinical Groups (UPCG) (continued)

CCSR Category	CCSR Category Description	UPCG
SYM017	Abnormal findings without diagnosis	Other
XXX000	Code is unacceptable as a principal diagnosis PDX (only used for the inpatient default CCSR)	Other
XXX111	Code is unacceptable as a first-listed diagnosis DX1 (only used for the outpatient default CCSR)	Other

Notes:

- 1) *CCSR = Agency for Health Care Research & Quality (AHRQ) Clinical Classification Software Refined*
- 2) *CCSRs mapped to Unified PAC Clinical Groups (UPCG) based on the primary diagnosis (ICD-10) code recorded on the PAC claim.*
- 3) *A diagnosis code can map to more than one CCSR grouping. CCSR resulting from each claim's primary diagnosis were reviewed in sequence until the first CCSR was identified that does not map to the "Other" UPG.*
- 4) *CCSR Version 2021.1 used in all analyses.*

Sources:

Clinical Classifications Software Refined (CCSR). Healthcare Cost and Utilization Project (HCUP). October 2021. Agency for Healthcare Research and Quality, Rockville, MD. www.hcup-us.ahrq.gov/toolssoftware/ccsr/ccs_refined.jsp

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