

Analysis of Short Course Systemic Glucocorticoid Prescribing in Urgent and Convenient Care Clinics

Supplementary Material

Paul Hansen, MD; Yang Wang, PhD; Muhammad Naseer, MD

Author Affiliations: Paul Hansen, MD, Mercy GoHealth Urgent Cares, St. Louis, Missouri. Yang Wang, PhD, Mercy Health, St. Louis, Missouri. Muhammad Naseer, MD, Mercy Hospital, St. Louis, Missouri.

Note: (*) denotes that this code is inclusive of all codes contained within the higher-level code (e.g., A00* means A00.00-A00.xx)

Supplementary Table 1. Tier Based Diagnostic Categorizations

Diagnosis	ICD-10	Tier Assignment
Tuberculosis	A15*-A19*	1
Anthrax	A22*	1
Cat-scratch disease	A28.1	1
Leprosy	A30*	1
Waterhouse-Friderichsen syndrome	A39.1	1
Chikungunya virus disease	A92.0	1
Postherpetic geniculate ganglionitis	B02.21	1
Paracoccidioidomycosis	B41*	1
Cysticercosis	B69*	1
Diphyllobothriasis and sparganosis	B70*	1
Filariasis	B74*	1
Trichinellosis	B75*	1
Other intestinal helminthiases, not elsewhere classified	B81*	1
Unspecified intestinal parasitism	B82*	1
Other helminthiases	B83*	1
Scabies	B86*	1
Sequelae of tuberculosis	B90*	1
sequelae of leprosy	B92*	1
Malignant neoplasms of lip, oral cavity and pharynx	C00*-C14*	1
Malignant neoplasms of digestive organs	C15*-C26*	1
Malignant neoplasms of respiratory and intrathoracic organs	C30*-C39*	1
Malignant neoplasms of bone and articular cartilage	C40*-C41*	1
Malignant melanoma of skin	C43*	1
Other and unspecified malignant neoplasm of skin of lip	C44.0* except C44.01	1
Other and unspecified malignant neoplasm of skin of eyelid, including canthus	C44.1	1
Squamous cell carcinoma of skin of eyelid, including canthus	C44.12*	1

Other specified malignant neoplasm of skin of eyelid, including canthus	C44.19*	1
Other and unspecified malignant neoplasm of skin of ear and external auricular canal	C44.2	1
Unspecified malignant neoplasm of skin of ear and external auricular canal	C44.20*	1
Squamous cell carcinoma of skin of ear and external auricular canal	C44.22*	1
Other specified malignant neoplasm of skin of ear and external auricular canal	C44.29*	1
Other and unspecified malignant neoplasm of skin of other and unspecified parts of face	C44.3* except C44.31*	1
Other and unspecified malignant neoplasm of skin of scalp and neck	C44.4* except C44.41*	1
Other and unspecified malignant neoplasm of skin of trunk	C44.5* except C44.51*	1
Other and unspecified malignant neoplasm of skin of upper limb, including shoulder	C44.6* except C44.61*	1
Other and unspecified malignant neoplasm of skin of lower limb, including hip	C44.7* except C44.71*	1
Other and unspecified malignant neoplasm of overlapping sites of skin	C44.8* except C44.81*	1
Other and unspecified malignant neoplasm of skin, unspecified	C44.9* except C44.91	1
Mesothelioma	C45*	1
Malignant neoplasm of peripheral nerves and autonomic nervous system	C47*	1
Malignant neoplasm of retroperitoneum and peritoneum	C48*	1
Malignant neoplasm of other connective and soft tissue	C49*	1
Malignant neoplasm of breast	C50*	1
Malignant neoplasms of female genital organs	C51*-C58*	1
Malignant neoplasms of male genital organs	C60*-C63*	1
Malignant neoplasms of urinary tract	C64*-C68*	1
Malignant neoplasms of eye, brain and other parts of central nervous system	C69*-C72*	1
Malignant neoplasms of thyroid and other endocrine glands	C73*-C75*	1
Malignant neoplasms of ill-defined, other secondary and unspecified sites	C76*-C80*	1
Malignant neuroendocrine tumors	C7A*	1
Secondary neuroendocrine tumors	C7B*	1
Malignant neoplasms of lymphoid, hematopoietic and related tissue	C81*-C96*	1
In situ neoplasms	D00*-D09*	1
Neoplasms of uncertain behavior, polycythemia vera and myelodysplastic syndromes	D37*-D48*	1
Neoplasms of unspecified behavior	D49*	1
Acquired hemolytic anemia	D59*	1
Anemia due to antineoplastic chemotherapy	D64.81	1

Antiphospholipid antibody with hemorrhagic disorder	D68.312	1
Other hemorrhagic disorder due to intrinsic circulating anticoagulants, antibodies, or inhibitors	D68.318	1
Hemorrhagic disorder due to extrinsic circulating anticoagulants	D68.32	1
Acquired coagulation factor deficiency	D68.4	1
Other thrombophilia	D68.6*	1
Purpura and other hemorrhagic conditions	D69*	1
Functional disorders of polymorphonuclear neutrophils	D71*	1
Other disorders of white blood cells	D72*	1
Other specified diseases with participation of lymphoreticular and reticulohistiocytic tissue	D76*	1
Other disorders of blood and blood-forming organs in diseases classified elsewhere	D77*	1
Hyperimmunoglobulin E [IgE] syndrome	D82.4	1
Sarcoidosis	D86*	1
Other disorders involving the immune mechanism, not elsewhere classified	D89*	1
Other disorders of glucose regulation and pancreatic internal secretion	E15*-E16*	1
Hypofunction and other disorders of the pituitary gland	E23* except E23.2	1
Adrenogenital disorders	E25*	1
Glucocorticoid-remediable aldosteronism	E26.02	1
Other disorders of adrenal gland	E27*	1
Polyglandular dysfunction	E31*	1
Other disorders of lipoprotein metabolism	E78.8*	1
Cystic fibrosis	E84*	1
Other and unspecified metabolic disorders	E88* except E88.1, E88.2, E88.81	1
Inflammatory diseases of the central nervous system	G00*-G09*	1
Stiff-man syndrome	G25.82	1
Alpers disease	G31.81	1
Demyelinating diseases of the central nervous system	G35*-G37*	1
Epilepsy and recurrent seizures	G40*	1
Migraine	G43*	1
Other headache syndromes	G44*	1
Facial nerve disorders	G51* except G51.3* and G51.4	1
Disorders of other cranial nerves	G52*	1
Cranial nerve disorders in diseases classified elsewhere	G53*	1
Nerve root and plexus disorders	G54* except G54.6 and G54.7	1
Nerve root and plexus compressions in diseases classified elsewhere	G55*	1
Mononeuropathies of upper limb	G56*	1
Mononeuropathies of lower limb	G57*	1

Other mononeuropathies	G58*	1
Mononeuropathy in diseases classified elsewhere	G59*	1
Inflammatory polyneuropathy	G61* except G61.0	1
Sequelae of inflammatory and toxic polyneuropathies	G65* except G65.0	1
Myasthenia gravis and other myoneural disorders	G70*	1
Primary disorders of muscles	G71*	1
Inflammatory and immune myopathies, not elsewhere classified	G72.4*	1
Disorders of myoneural junction and muscle in diseases classified elsewhere	G73*	1
Pain, not elsewhere classified	G89* except G89.2*, G89.4*	1
Complex regional pain syndrome I (CRPS I)	G90.5*	1
Toxic encephalopathy	G92*	1
Other disorders of brain in diseases classified elsewhere	G94*	1
Other and unspecified diseases of spinal cord	G95*	1
Other disorders of nervous system not elsewhere classified	G98*	1
Other disorders of nervous system in diseases classified elsewhere	G99*	1
Noninfectious dermatoses of eyelid	H01.1* except H01.14*	1
Other specified inflammations of eyelid	H01.8	1
Unspecified inflammation of eyelid	H01.9	1
Edema of eyelid	H02.84*	1
Dacryoadenitis	H04.0*	1
Acute inflammation of orbit	H05.0*	1
Chronic inflammatory disorders of orbit	H05.1*	1
Exophthalmic conditions	H05.2*	1
Conjunctival edema	H11.42*	1
Scleritis	H15.0*	1
Iridocyclitis	H20*	1
Chorioretinal inflammation	H30*	1
Retinal vascular occlusions	H34*	1
Retinal vasculitis	H35.06	1
Optic neuritis	H46*	1
Other disorders of optic [2nd] nerve and visual pathways	H47*	1
Internuclear ophthalmoplegia	H51.2*	1
Intraoperative and postprocedural complications and disorders of eye and adnexa, not elsewhere classified	H59*	1
Chondritis and perichondritis of external ear	H61.0*	1
Ménière's disease	H81.0*	1
Vestibular neuronitis	H81.2*	1
Other peripheral vertigo	H81.3*	1
Vertigo of central origin	H81.4*	1
Other disorders of vestibular function	H81.8*	1

Unspecified disorder of vestibular function	H81.9*	1
Vertiginous syndromes in diseases classified elsewhere	H82*	1
Labyrinthitis	H83.0*	1
Sensorineural hearing loss, bilateral	H90.3	1
Sensorineural hearing loss, unilateral with unrestricted hearing on the contralateral side	H90.4*	1
Unspecified sensorineural hearing loss	H90.5	1
Mixed conductive and sensorineural hearing loss, bilateral	H90.6	1
Mixed conductive and sensorineural hearing loss, unilateral with unrestricted hearing on the contralateral side	H90.7*	1
Mixed conductive and sensorineural hearing loss, unspecified	H90.8	1
Conductive and sensorineural hearing loss with restricted hearing on the contralateral side	H90.A*	1
Sudden idiopathic hearing loss	H91.2*	1
Other disorders of ear in diseases classified elsewhere	H94*	1
Intraoperative and postprocedural complications and disorders of ear and mastoid process, not elsewhere classified	H95*	1
Rheumatic fever without heart involvement	I00*	1
Rheumatic fever with heart involvement	I01*	1
Chronic adhesive pericarditis	I31.0	1
Chronic constrictive pericarditis	I31.1	1
Pericarditis in diseases classified elsewhere	I32*	1
cerebral arteritis	I67.7	1
Cerebral arteritis in other diseases classified elsewhere	I68.2	1
Arteritis, unspecified	I77.6	1
Aortitis in diseases classified elsewhere	I79.1	1
Acute laryngotracheitis	J04.2	1
Acute obstructive laryngitis [croup]	J05.0	1
Chronic sinusitis	J32* except J32.9	1
Peritonsillar abscess	J36*	1
edema of larynx	J38.4	1
Upper respiratory tract hypersensitivity reaction, site unspecified	J39.3	1
Simple and mucopurulent chronic bronchitis	J41*	1
Unspecified chronic bronchitis	J42*	1
Emphysema	J43*	1
Other chronic obstructive pulmonary disease	J44*	1
Asthma	J45* except J45.990	1
Hypersensitivity pneumonitis due to organic dust	J67*	1
Respiratory conditions due to inhalation of chemicals, gases, fumes and vapors	J68*	1
Pneumonitis due to solids and liquids	J69*	1
Respiratory conditions due to other external agents	J70*	1
Pulmonary eosinophilia, not elsewhere classified	J82*	1

Other interstitial pulmonary diseases with fibrosis	J84.1*	1
Lymphoid interstitial pneumonia	J84.2*	1
Other specified interstitial pulmonary disease	J84.8	1
Adult pulmonary Langerhans cell histiocytosis	J84.82	1
Other specified interstitial pulmonary diseases	J84.89	1
Interstitial pulmonary disease, unspecified	J84.9	1
Other respiratory disorders	J98* except J98.11	1
Stomatitis and related lesions	K12*	1
Noninfective enteritis and colitis	K50*-K52*	1
Alcoholic hepatitis	K70.1*	1
Alcoholic hepatic failure	K70.4*	1
Autoimmune hepatitis	K75.4	1
Vomiting following gastrointestinal surgery	K91.0	1
Gastrointestinal mucositis (ulcerative)	K92.81	1
Pemphigus	L10*	1
Other acantholytic disorders	L11* except L11.0	1
Pemphigoid	L12*	1
Other bullous disorders	L13* except L13.0	1
Bullous disorders in diseases classified elsewhere	L14.0	1
Atopic dermatitis	L20* except L20.83	1
Allergic contact dermatitis	L23*	1
Irritant contact dermatitis	L24*	1
Unspecified contact dermatitis	L25*	1
Exfoliative dermatitis	L26*	1
Dermatitis due to substances taken internally	L27*	1
Other and unspecified dermatitis	L30* except L30.3 and L30.4	1
Lichen planus	L43*	1
Papulosquamous disorders in diseases classified elsewhere	L45*	1
Exfoliation due to erythematous conditions according to extent of body surface involved	L49*	1
Urticaria	L50*	1
Erythema multiforme	L51*	1
Erythema nodosum	L52*	1
Other specified erythematous conditions	L53.8	1
Erythematous condition, unspecified	L53.9	1
Erythema in diseases classified elsewhere	L54*	1
Polymorphous light eruption	L56.4	1
Alopecia areata	L63*	1
Alopecia mucinosa	L65.2	1
Cicatricial alopecia [scarring hair loss]	L66*	1
Acne conglobata	L70.1	1
Other follicular disorders	L73* except L73.1	1

Vitiligo	L80*	1
Pyoderma gangrenosum	L88*	1
Other local lupus erythematosus	L93.2	1
Localized scleroderma [morphea]	L94.0	1
Gottron's papules	L94.4	1
Other specified localized connective tissue disorders	L94.8	1
Localized connective tissue disorder, unspecified	L94.9	1
Febrile neutrophilic dermatosis [Sweet]	L98.2	1
Eosinophilic cellulitis [Wells]	L98.3	1
Other specified disorders of the skin and subcutaneous tissue	L98.8	1
Disorder of the skin and subcutaneous tissue, unspecified	L98.9	1
Other disorders of skin and subcutaneous tissue in diseases classified elsewhere	L99*	1
Postinfective and reactive arthropathies	M02*	1
Autoinflammatory syndromes	M04*	1
Rheumatoid arthritis with rheumatoid factor	M05*	1
Other rheumatoid arthritis	M06*	1
Enteropathic arthropathies	M07*	1
Juvenile arthritis	M08*	1
Gout	M10*	1
Other crystal arthropathies	M11*	1
Palindromic rheumatism	M12.3*	1
Other arthritis	M13*	1
Arthropathies in other specified diseases classified elsewhere	M14.8*	1
Erosive (osteo)arthritis	M15.4	1
Inflammatory conditions of jaws	M27.2	1
Systemic connective tissue disorders	M30*-M36* except M35.7	1
Sacroiliitis, not elsewhere classified	M46.1	1
Other specified inflammatory spondylopathies	M46.8*	1
Unspecified inflammatory spondylopathy	M46.9*	1
Spondylosis	M47*	1
Cervical disc disorder with myelopathy	M50.0*	1
Cervical disc disorder with radiculopathy	M50.1*	1
Other cervical disc displacement	M50.2*	1
Thoracic, thoracolumbar and lumbosacral intervertebral disc disorders with myelopathy	M51.0*	1
Thoracic, thoracolumbar and lumbosacral intervertebral disc disorders with radiculopathy	M51.1*	1
Panniculitis affecting regions of neck and back	M54.0*	1
Radiculopathy	M54.1*	1
Sciatica	M54.3*	1
Lumbago with sciatica	M54.4*	1
Interstitial myositis	M60.1*	1

Other myositis	M60.8*	1
Myositis, unspecified	M60.9*	1
Rheumatism, unspecified	M79.0	1
Myalgia	M79.1	1
Neuritis	M79,2*	1
Panniculitis, unspecified	M79.3	1
Relapsing polychondritis	M94.1	1
Acute nephritic syndrome	N00*	1
Rapidly progressive nephritic syndrome	N01*	1
Recurrent and persistent hematuria	N02*	1
Chronic nephritic syndrome	N03*	1
Nephrotic syndrome	N04*	1
Unspecified nephritic syndrome	N05*	1
Isolated proteinuria with specified morphological lesion	N06*	1
Hereditary nephropathy, not elsewhere classified	N07*	1
Glomerular disorders in diseases classified elsewhere	N08*	1
Granulomatous prostatitis	N41.4	1
Granulomatous mastitis	N61.2*	1
Congenital Malformations of the Lung	Q33*	1
Epidermolysis bullosa	Q81*	1
Phakomatoses, not elsewhere classified	Q85*	1
Stridor	R06.1	1
Wheezing	R06.2	1
Asphyxia and hypoxemia	R09.0*	1
Respiratory Arrest	R09.2	1
Rash and other nonspecific skin eruption	R21*	1
Other Skin changes	R23.8	1
Dizziness and Giddiness	R42*	1
Headache	R51*	1
Elevated ESR	R70.0	1
elevated CRP	R79.82	1
poisoning by, adverse effect of and underdosing of diuretics and other and unspecified drugs, medicaments and biological substances	T50*	1
toxic effect of venom of other arthropod	T63*	1
Other and unspecified effects of high altitude	T70.2*	1
Adverse effects, not elsewhere classified	T78*	1
Vaping-related disorder	U07.0	1
Other contact with and (suspected) exposures hazardous to health	Z77*	1
Long term (current) use of systemic steroids	Z79.52	1
Allergy status to drugs, medicaments and biological substances	Z88*	1

Allergy status, other than to drugs and biological substances	Z91.0*	1
Personal history of systemic steroid therapy	Z92.241	1
Transplanted organ removal status	Z98.85	1
Typhoid and Paratyphoid fevers	A01*	2
Salmonella Sepsis	A02.1	2
Leptospirosis	A27*	2
Scarlet fever with myocarditis	A38.1	2
Streptococcal sepsis	A40*	2
Other Sepsis	A41*	2
Legionnaires' disease	A48.1	2
Brazilian Purpuric fever	A48.4	2
West Nile Virus	A92.3*	2
Zoster	B02* (except B02.21)	2
Infectious Mononucleosis	B27*	2
Histoplasmosis	B39* (except B39.1)	2
Cryptococcosis	B45*	2
Toxoplasmosis	B58*	2
Pneumocystosis	B59*	2
Schistosomiasis [bilharziasis]	B65*	2
HTLV I	B97.33	2
HTV II	B97.34	2
Sebaceous cell carcinoma of skin of eyelid, including canthus	C44.13*	2
Benign neoplasms, except benign neuroendocrine tumors	D10*-D36*	2
Sickle-cell disorders	D57*	2
Other hereditary hemolytic anemias	D58*	2
Acquired pure red cell aplasia [erythroblastopenia]	D60*	2
Other aplastic anemias and other bone marrow failure syndromes	D61*	2
Anemia in neoplastic disease	D63.0	2
Anemia in other chronic diseases classified elsewhere	D63.8	2
Other specified coagulation defects	D68.8	2
Coagulation defect, unspecified	D68.9	2
Congenital agranulocytosis	D70.0	2
Diseases of spleen	D73* except D73.0, D73.3, D73.4, D73.5	2
Myelofibrosis	D75.81	2
Other specified diseases of blood and blood-forming organs	D75.89	2
Disease of blood and blood-forming organs, unspecified	D75.9	2
Immunodeficiency with predominantly antibody defects	D80*	2
Combined immunodeficiencies	D81*	2
Immunodeficiency associated with other major defects	D82* except D82.4	2
Common variable immunodeficiency	D83*	2

Other immunodeficiencies	D84*	2
Myxedema Coma	E03.5	2
Thyrotoxicosis [hyperthyroidism]	E05*	2
Thyroiditis	E06*	2
Other disorders of thyroid	E07*	2
Hyperfunction of pituitary gland	E22* except E22.2	2
Primary ovarian failure	E28.3*	2
Diseases of thymus	E32* except E32.1	2
Other endocrine disorders	E34* except E34.3-5*	2
Intraoperative complications of endocrine system	E36*	2
Disorders of aromatic amino-acid metabolism	E70* except E70.0, E70.4*, E70.5, E70.81	2
Disorders of branched-chain amino-acid metabolism and fatty-acid metabolism	E71*	2
Other disorders of amino-acid metabolism	E72*	2
Other disorders of carbohydrate metabolism	E74*	2
Disorders of sphingolipid metabolism and other lipid storage disorders	E75*	2
Disorders of glycosaminoglycan metabolism	E76*	2
Disorders of bile acid and cholesterol metabolism	E78.7*	2
Disorder of lipoprotein metabolism, unspecified	E78.9	2
Hyperuricemia without signs of inflammatory arthritis and tophaceous disease	E79.0	2
Crigler-Najjar syndrome	E80.5	2
Other disorders of bilirubin metabolism	E80.6	2
Disorder of bilirubin metabolism, unspecified	E80.7	2
Disorders of copper metabolism	E83.0*	2
Disorders of iron metabolism	E83.1*	2
Disorder of mineral metabolism, unspecified	E83.9	2
Amyloidosis	E85*	2
Other disorders of fluid, electrolyte and acid-base balance	E87* except E87.6	2
Systemic atrophies primarily affecting central nervous system in diseases classified elsewhere	G13*	2
Postencephalitic parkinsonism	G21.3	2
Other degenerative diseases of basal ganglia	G23*	2
Myoclonus	G25.3	2
Extrapyramidal and movement disorder, unspecified	G25.9	2
Extrapyramidal and movement disorders in diseases classified elsewhere	G26*	2
Leigh's disease	G31.82	2
Other specified degenerative diseases of nervous system	G31.89	2
Degenerative disease of nervous system, unspecified	G31.9	2
Hypersomnia	G47.1*	2
disorders of the trigeminal nerve	G50*	2

Hereditary and idiopathic neuropathy	G60*	2
Other and unspecified polyneuropathies	G62*	2
Polyneuropathy in diseases classified elsewhere	G63*	2
Other disorders of peripheral nervous system	G64*	2
Disorders of autonomic nervous system	G90* except G90.5*	2
Hydrocephalus	G91*	2
Other disorders of brain	G93* except G93.2, G92.3, G93.41	2
Other disorders of central nervous system	G96*	2
Intraoperative and postprocedural complications and disorders of nervous system, not elsewhere classified	G97*	2
Xeroderma of eyelid	H01.14*	2
Elephantiasis of eyelid	H02.85*	2
Enophthalmos	H05.4*	2
Retained (old) foreign body following penetrating wound of orbit	H05.5*	2
Other disorders of orbit	H05.8*	2
Unspecified disorder of orbit	H05.9	2
Unspecified disorder of conjunctiva	H11.9	2
Unspecified disorder of sclera	H15.9	2
Keratitis	H16*	2
Hyphema	H21.0*	2
Other vascular disorders of iris and ciliary body	H21.1*	2
Cyst of iris, ciliary body and anterior chamber	H21.3*	2
Other and unspecified adhesions and disruptions of iris and ciliary body	H21.5*	2
Unspecified disorder of iris and ciliary body	H21.9	2
Disorders of iris and ciliary body in diseases classified elsewhere	H22*	2
Choroidal degeneration	H31.1*	2
Choroidal hemorrhage and rupture	H31.3*	2
Other specified disorders of choroid	H31.8	2
Unspecified disorder of choroid	H31.9	2
Chorioretinal disorders in diseases classified elsewhere	H32*	2
Retinal detachments and breaks	H33*	2
Other retinal disorders	H35* except H35.06, H35.1*, H35.3*, H35.4*	2
Retinal disorders in diseases classified elsewhere	H36*	2
Purulent endophthalmitis	H44.0*	2
Other endophthalmitis	H44.1*	2
Hypotony of eye	H44.4*	2
Other disorders of globe	H44.8*	2
Unspecified disorder of globe	H44.9	2
Other specified hearing loss	H91.8*	2

Unspecified hearing loss	H91.9*	2
Rheumatic chorea	I02*	2
Dressler's syndrome	I24.1	2
Acute pericarditis	I30*	2
Acute myocarditis	I40*	2
Myocarditis in diseases classified elsewhere	I41*	2
Endomyocardial (eosinophilic) disease	I42.3	2
myocarditis, unspecified	I51.4	2
Erythromelalgia	I73.81	2
Hypotension	I95*	2
Acute sinusitis	J01*	2
Acute pharyngitis	J02*	2
Acute tonsillitis	J03*	2
Acute tracheitis	J04.1*	2
Supraglottitis, unspecified	J04.3*	2
Acute epiglottitis	J05.1*	2
pneumonia	J12*-J18*	2
Chronic rhinitis, nasopharyngitis and pharyngitis	J31*	2
Chronic Unspecified Sinusitis	J32.9	2
Nasal polyp	J33*	2
Chronic diseases of tonsils and adenoids	J35*	2
Chronic laryngitis and laryngotracheitis	J37*	2
Retropharyngeal and parapharyngeal abscess	J39.0	2
Other abscess of pharynx	J39.1	2
Other diseases of pharynx	J39.2	2
Bronchiectasis	J47*	2
Pneumoconiosis due to dust containing silica	J62*	2
Pneumoconiosis due to other inorganic dusts	J63*	2
Unspecified pneumoconiosis	J64*	2
Pneumoconiosis associated with tuberculosis	J65*	2
Acute respiratory distress syndrome	J80*	2
Pulmonary edema	J81*	2
Surfactant mutations of the lung	J84.83	2
Other interstitial lung diseases of childhood	J84.84*	2
Abscess of lung and mediastinum	J85*	2
Pyothorax	J86*	2
Pleural effusion in conditions classified elsewhere	J91*	2
Chylous effusion	J94.0	2
Intraoperative and postprocedural complications and disorders of respiratory system, not elsewhere classified	J95*	2
Respiratory failure, not elsewhere classified	J96*	2
Respiratory disorders in diseases classified elsewhere	J99*	2

Eosinophilic Esophagitis	K20.0	2
Paralytic ileus and intestinal obstruction without hernia	K56*	2
Radiation proctitis	K62.7	2
Sclerosing mesenteritis	K65.4	2
Toxic liver disease	K71*	2
Hepatic failure, not elsewhere classified	K72*	2
Primary biliary cirrhosis	K74.3	2
Granulomatous hepatitis, not elsewhere classified	K75.3	2
Other specified inflammatory liver diseases	K75.8	2
Other specified inflammatory liver diseases	K75.89	2
Inflammatory liver disease, unspecified	K75.9	2
Celiac disease	K90.0	2
Whipple's disease	K90.81	2
Pyoderma	L08.0	2
Pyoderma vegetans	L08.81	2
Linear scleroderma	L94.1	2
Erythema elevatum diutinum	L95.1	2
Other vasculitis limited to the skin	L95.8	2
Vasculitis limited to the skin, unspecified	L95.9	2
Other specific arthropathies, not elsewhere classified	M12.8*	2
Arthropathy, unspecified	M12.9*	2
Spinal enthesopathy	M46.0*	2
Other thoracic, thoracolumbar and lumbosacral intervertebral disc displacement	M51.2*	2
Enthesopathies, lower limb, excluding foot	M76*	2
Other enthesopathies	M77*	2
Tubulo-interstitial nephritis, not specified as acute or chronic	N12*	2
Drug- and heavy-metal-induced tubulo-interstitial and tubular conditions	N14* except N14.0	2
Acute kidney failure	N17*	2
Inflammatory disorders of male genital organs, not elsewhere classified	N49* except N49.3	2
Supervision of high-risk pregnancy	O09*	2
Preterm labor	O60*	2
Nausea and vomiting	R11*	2
Other shock	R57.8	2
Shock, unspecified	R57.9	2
Severe Sepsis with septic shock	R65.21	2
Bence Jones Proteinuria	R80.3	2
Abnormal immunological findings in cerebrospinal fluid	R83.4	2
Abnormal cytological findings in cerebrospinal fluid	R83.6	2
Abnormal immunological findings in specimens from respiratory organs and thorax	R84.4	2

Abnormal cytological findings in specimens from respiratory organs and thorax	R84.6	2
Abnormal immunological findings in specimens from digestive organs and abdominal cavity	R85.4	2
Abnormal cytological findings in specimens from digestive organs and abdominal cavity	R85.6*	2
Abnormal immunological findings in specimens from male genital organs	R86.4	2
Abnormal cytological findings in specimens from male genital organs	R86.6	2
Abnormal immunological findings in specimens from female genital organs	R87.4	2
Abnormal cytological findings in specimens from female genital organs	R87.6*	2
Abnormal immunological findings in specimens from other organs, systems and tissues	R89.4	2
Abnormal cytological findings in specimens from other organs, systems and tissues	R89.6	2
Abnormal findings on diagnostic imaging of central nervous system	R90*	2
Abnormal tumor markers	R97*	2
Caisson disease [decompression sickness]	T70.3*	2
COVID-19	U00*	2
COVID-19	U07.1	2
Post COVID-19 condition	U09*	2
COVID-19	U49*	2
Estrogen receptor status	Z17*	2
Hormone sensitivity malignancy status	Z19*	2
23-34 weeks gestation	Z3A.23-34	2
Encounter for aftercare following organ transplant	Z48.2*	2
Aftercare following surgery for neoplasm	Z48.3*	2
Encounter for other aftercare and medical care	Z51* except Z51.8*	2
Long term (current) use of immunomodulators and immunosuppressants	Z79.6*	2
Cholera	A00*	3
Other Salmonella Infection	A02* except A02.1 and A02.21	3
Salmonella Meningitis	A02.21	3
Shigellosis	A03*	3
Other Bacterial Intestinal Infections	A04*	3
Other bacterial foodborne intoxications, not elsewhere classified	A05*	3
Amebiasis	A06*	3
Other protozoal intestinal diseases	A07*	3
Viral and other specified intestinal infections	A08*	3
Infectious gastroenteritis and colitis, unspecified	A09	3

Plague	A20*	3
Tularemia	A21*	3
Glanders and melioidosis	A24*	3
Rat-Bite Fevers	A25*	3
Erysipeloid	A26*	3
Pasteurellosis	A28.0	3
Extraintestinal Yersiniosis	A28.2	3
Other specified zoonotic bacterial diseases, not elsewhere classified	A28.8	3
Zoonotic bacterial disease, unspecified	A28.9	3
Infection due to other mycobacteria	A31*	3
Listeriosis	A32*	3
Tetanus neonatorum	A33*	3
Obstetrical tetanus	A34*	3
Other tetanus	A35*	3
Diphtheria	A36*	3
Whooping cough	A37*	3
Scarlet Fever	A38* except A38.1	3
Meningococcal infection	A39* except A39.1	3
Actinomycosis	A42*	3
Nocardiosis	A43*	3
Bartonellosis	A44*	3
Erysipeloid	A46*	3
Gas Gangrene	A48.0	3
Nonpneumonic Legionnaires' disease [Pontiac fever]	A48.2	3
Toxic Shock Syndrome	A48.3	3
Other specified botulism	A48.5*	3
Other specified bacterial diseases	A48.8	3
Bacterial infection of unspecified site	A49*	3
Infections with a predominantly sexual mode of transmission	A50*-A64*	3
Other spirochetal diseases	A65*-A69*	3
Other diseases caused by chlamydiae	A70*-A74*	3
rickettsioses	A75*-A79*	3
Viral and Prion infections of the central nervous system	A80*-A89*	3
Arthropod-borne viral fevers and viral hemorrhagic fevers	A90*-A99* except A92.0 and A92.3*	3
Viral infections characterized by skin and mucous membrane lesions	B00*-B09* except B02*	3
Other human herpesviruses	B10*	3
Viral Hepatitis	B15*-B19*	3
HIV	B20*	3
CMV	B25*	3
mumps	B26*	3

viral conjunctivitis	B30*	3
other viral diseases, not elsewhere classified	B33*	3
Viral infection of unspecified site	B34*	3
Dermatophytosis	B35*	3
Other superficial mycoses	B36*	3
candidiasis	B37*	3
Coccidioidomycosis	B38*	3
Chronic pulmonary histoplasmosis capsulati	B39.1	3
Sporotrichosis	B42*	3
Chromomycosis and phaeomyotic abscess	B43*	3
Aspergillosis	B44*	3
zygomycosis	B46*	3
mycetoma	B47*	3
Other mycoses, not elsewhere classified	B48*	3
Unspecified mycosis	B49*	3
Plasmodium falciparum malaria	B50*	3
Plasmodium vivax malaria	B51*	3
Plasmodium malariae malaria	B52*	3
Other specified malaria	B53*	3
Unspecified malaria	B54*	3
Leishmaniasis	B55*	3
African trypanosomiasis	B56*	3
Chagas' disease	B57*	3
Other protozoal diseases, not elsewhere classified	B60*	3
Unspecified protozoal disease	B64*	3
Other fluke infections	B66*	3
Echinococcosis	B67*	3
Taeniasis	B68*	3
Other cestode infections	B71*	3
Dracunculiasis	B72*	3
Onchocerciasis	B73*	3
Hookworm Diseases	B76*	3
Ascariasis	B77*	3
Strongyloidiasis	B78*	3
Trichuriasis	B79*	3
Enterobiasis	B80*	3
Pediculosis and phthiriasis	B85*	3
Myiasis	B87*	3
Other infestations	B88*	3
unspecified parasitic disease	B89*	3
Sequelae of poliomyelitis	B91*	3

Sequelae of other and unspecified infectious and parasitic diseases	B94*	3
Streptococcus, Staphylococcus, and Enterococcus as the cause of diseases classified elsewhere	B95*	3
Other bacterial agents as the cause of diseases classified elsewhere	B96*	3
Viral agents as the cause of diseases classified elsewhere	B97* except B97.33 and B97.34	3
Other and unspecified infectious diseases	B99*	3
Basal cell carcinoma of skin of lip	C44.01	3
Basal cell carcinoma of skin of eyelid, including canthus	C44.11*	3
Basal cell carcinoma of skin of ear and external auricular canal	C44.21*	3
Basal cell carcinoma of skin of other and unspecified parts of face	C44.31*	3
Basal cell carcinoma of skin of scalp and neck	C44.41*	3
Basal cell carcinoma of skin of trunk	C44.51*	3
Basal cell carcinoma of skin of upper limb, including shoulder	C44.61*	3
Basal cell carcinoma of skin of lower limb, including hip	C44.71*	3
Basal cell carcinoma of overlapping sites of skin	C44.81*	3
Basal cell carcinoma of skin, unspecified	C44.91	3
Kaposi's sarcoma	C46*	3
Benign neuroendocrine tumors	D3A*	3
Iron Deficiency Anemia	D50*	3
Vitamin B12 deficiency anemia	D51*	3
Folate deficiency anemia	D52*	3
Other nutritional anemias	D53*	3
Anemia due to enzyme disorders	D55*	3
Thalassemia	D56*	3
Acute posthemorrhagic anemia	D62*	3
Anemia in chronic kidney disease	D63.1	3
Other Anemias	D64* except D64.81	3
Disseminated intravascular coagulation [defibrination syndrome]	D65*	3
Hereditary factor VIII deficiency	D66*	3
Hereditary factor IX deficiency	D67*	3
Other coagulation defect	D68* except D68.312, D68.318, D68.32, D68.4, D68.6*, D68.8, D68.9	3
Neutropenia	D70* except D70.0	3
hyposplenism	D73.0	3
abscess of spleen	D73.3	3
cyst of spleen	D73.4	3
infarction of spleen	D73.5	3
Methemoglobinemia	D74*	3

Other and unspecified diseases of blood and blood-forming organs	D75* except D75.81, D75.89, D75.9	3
Intraoperative and postprocedural complications of the spleen	D78*	3
Congenital iodine-deficiency syndrome	E00*	3
Iodine-deficiency related thyroid disorders and allied conditions	E01*	3
Subclinical iodine-deficiency hypothyroidism	E02*	3
Other hypothyroidism	E03* except E03.5	3
Other nontoxic goiter	E04*	3
Diabetes mellitus	E08*-E13*	3
hypoparathyroidism	E20*	3
Hyperparathyroidism and other disorders of parathyroid gland	E21*	3
SIADH	E22.2	3
Diabetes insipidus	E23.2	3
Cushing's syndrome	E24*	3
Hyperaldosteronism	E26* except E26.02	3
Ovarian dysfunction	E28* except E28.3*	3
Testicular dysfunction	E29*	3
Disorders of puberty, not elsewhere classified	E30*	3
Abscess of thymus	E32.1	3
Short stature due to endocrine disorder	E34.3	3
Constitutional tall stature	E34.4	3
Androgen insensitivity syndrome	E34.5*	3
Malnutrition	E40*-E46*	3
Other nutritional deficiencies	E50*-E64*	3
Overweight, obesity and other hyperalimentation	E65*-E68*	3
Classical phenylketonuria	E70.0	3
Disorders of histidine metabolism	E70.4*	3
Disorders of tryptophan metabolism	E70.5	3
Aromatic L-amino acid decarboxylase deficiency	E70.81	3
Lactose intolerance	E73*	3
Disorders of glycoprotein metabolism	E77*	3
Disorders of lipoprotein metabolism and other lipidemias	E78* except E78.7*, E78.8*, E78.9	3
Disorders of purine and pyrimidine metabolism	E79* except E79.0	3
Disorders of porphyrin and bilirubin metabolism	E80* except E80.5, E80.6, E80.7	3
Disorders of zinc metabolism	E83.2	3
Disorders of phosphorus metabolism and phosphatases	E83.3*	3
Disorders of magnesium metabolism	E83.4*	3
Disorders of calcium metabolism	E83.5*	3
Other disorders of mineral metabolism	E83.8*	3
Volume depletion	E86*	3

hypokalemia	E87.6	3
Lipodystrophy, not elsewhere classified	E88.1	3
Lipomatosis, not elsewhere classified	E88.2	3
Metabolic syndrome	E88.81	3
Mental, Behavioral and Neurodevelopmental disorders	F01*-F99*	3
Huntington's disease	G10*	3
Hereditary ataxia	G11*	3
Spinal muscular atrophy and related syndromes	G12*	3
postpolio syndrome	G14*	3
Parkinson's disease	G20*	3
Secondary parkinsonism	G21* except G21.3	3
Dystonia	G24*	3
Other extrapyramidal and movement disorders	G25* except G25.3, G25.82, G25.9	3
Alzheimer's disease	G30*	3
Other degenerative diseases of nervous system, not elsewhere classified	G31* except G31.81, G31.82, G31.89, G31.9	3
Transient cerebral ischemic attacks and related syndromes	G45*	3
Vascular syndromes of brain in cerebrovascular diseases	G46*	3
Sleep disorders	G47* except G47.1*	3
Clonic hemifacial spasm	G51.3*	3
facial myokymia	G51.4	3
Phantom limb syndrome with pain	G54.6	3
phantom limb syndrome without pain	G54.7	3
Guillain-Barre syndrome	G61.0	3
Sequelae of Guillain-Barré syndrome	G65.0	3
Other and unspecified myopathies	G72* except G72.4*	3
Cerebral palsy and other paralytic syndromes	G80*-G83*	3
Chronic pain, not elsewhere classified	G89.2*	3
chronic pain syndrome	G89.4	3
Benign intracranial hypertension	G93.2	3
Postviral fatigue syndrome	G92.3	3
Metabolic encephalopathy	G93.41	3
Hordeolum and chalazion	H00*	3
Blepharitis	H01.0*	3
Other disorders of eyelid	H02* except H02.84* and H02.85*	3
Other disorders of lacrimal gland	H04.1*	3
Epiphora	H04.2*	3
Acute and unspecified inflammation of lacrimal passages	H04.3*	3
Chronic inflammation of lacrimal passages	H04.4*	3
Stenosis and insufficiency of lacrimal passages	H04.5*	3
Other changes of lacrimal passages	H04.6*	3

Other disorders of lacrimal system	H04.8*	3
Disorder of lacrimal system, unspecified	H04.9	3
Deformity of orbit	H05.3*	3
Conjunctivitis	H10*	3
Pterygium of eye	H11.0*	3
Conjunctival degenerations and deposits	H11.1*	3
Conjunctival scars	H11.2*	3
Conjunctival hemorrhage	H11.3*	3
Other conjunctival vascular disorders and cysts	H11.4* except H11.42*	3
Other specified disorders of conjunctiva	H11.8*	3
Episcleritis	H15.1*	3
Other disorders of sclera	H15.8*	3
Corneal scars and opacities	H17*	3
Other disorders of cornea	H18*	3
Degeneration of iris and ciliary body	H21.2*	3
Pupillary membranes	H21.4*	3
Other specified disorders of iris and ciliary body	H21.8*	3
Age-related cataract	H25*	3
Other cataract	H26*	3
Other disorders of lens	H27*	3
Cataract in diseases classified elsewhere	H28*	3
Chorioretinal scars	H31.0*	3
Hereditary choroidal dystrophy	H31.2*	3
Choroidal detachment	H31.4*	3
Retinopathy of prematurity	H35.1*	3
Degeneration of macula and posterior pole	H35.3*	3
Peripheral retinal degeneration	H35.4*	3
Glaucoma	H40*	3
Glaucoma in diseases classified elsewhere	H42*	3
Disorders of vitreous body	H43*	3
Degenerative myopia	H44.2*	3
Other and unspecified degenerative disorders of globe	H44.3*	3
Degenerated conditions of globe	H44.5*	3
Retained (old) intraocular foreign body, magnetic	H44.6*	3
Retained (old) intraocular foreign body, nonmagnetic	H44.7*	3
Paralytic strabismus	H49*	3
Other strabismus	H50*	3
Other disorders of binocular movement	H51* except H51.2*	3
Disorders of refraction and accommodation	H52*	3
Visual disturbances	H53*	3
Blindness and low vision	H54*	3
Nystagmus and other irregular eye movements	H55*	3

Other disorders of eye and adnexa	H57*	3
Otitis externa	H60*	3
Noninfective disorders of pinna	H61.1*	3
Impacted cerumen	H61.2*	3
Acquired stenosis of external ear canal	H61.3*	3
Other specified disorders of external ear	H61.8*	3
Disorder of external ear, unspecified	H61.9*	3
Disorders of external ear in diseases classified elsewhere	H62*	3
Nonsuppurative otitis media	H65*	3
Suppurative and unspecified otitis media	H66*	3
Otitis media in diseases classified elsewhere	H67*	3
Eustachian salpingitis and obstruction	H68*	3
Other and unspecified disorders of Eustachian tube	H69*	3
Mastoiditis and related conditions	H70*	3
Cholesteatoma of middle ear	H71*	3
Perforation of tympanic membrane	H72*	3
Other disorders of tympanic membrane	H73*	3
Other disorders of tympanic membrane	H74*	3
Other disorders of middle ear and mastoid in diseases classified elsewhere	H75*	3
Otosclerosis	H80*	3
Benign paroxysmal vertigo	H81.1*	3
Labyrinthine fistula	H83.1*	3
Labyrinthine dysfunction	H83.2*	3
Noise effects on inner ear	H83.3*	3
Other specified diseases of inner ear	H83.8*	3
Unspecified disease of inner ear	H83.9*	3
Conductive hearing loss, bilateral	H90.0	3
Conductive hearing loss, unilateral with unrestricted hearing on the contralateral side	H90.1*	3
Conductive hearing loss, unspecified	H90.2	3
Ototoxic hearing loss	H91.0*	3
Presbycusis	H91.1*	3
Deaf nonspeaking, not elsewhere classified	H91.3	3
Otalgia and effusion of ear	H92*	3
Other disorders of ear, not elsewhere classified	H93*	3
Chronic rheumatic heart diseases	I05*-I09*	3
Hypertensive diseases	I10*-I16*	3
Angina pectoris	I20*	3
Acute myocardial infarction	I21*	3
Subsequent ST elevation (STEMI) and non-ST elevation (NSTEMI) myocardial infarction	I22*	3

Certain current complications following ST elevation (STEMI) and non-ST elevation (NSTEMI) myocardial infarction (within the 28 day period)	I23*	3
Acute coronary thrombosis not resulting in myocardial infarction	I24.0	3
Other forms of acute ischemic heart disease	I24.8	3
Acute ischemic heart disease, unspecified	I24.9	3
Chronic ischemic heart disease	I25*	3
Pulmonary embolism	I26*	3
Primary pulmonary hypertension	I27*	3
Other diseases of pulmonary vessels	I28*	3
Other diseases of pericardium	I31* except I31.0 or I31.1	3
Acute and subacute endocarditis	I33*	3
Nonrheumatic mitral valve disorders	I34*	3
Nonrheumatic aortic valve disorders	I35*	3
Nonrheumatic tricuspid valve disorders	I36*	3
Nonrheumatic pulmonary valve disorders	I37*	3
Endocarditis, valve unspecified	I38*	3
Endocarditis and heart valve disorders in diseases classified elsewhere	I39*	3
Cardiomyopathy	I42* except I42.3	3
Cardiomyopathy in diseases classified elsewhere	I43*	3
Atrioventricular and left bundle-branch block	I44*	3
Other conduction disorders	I45*	3
Cardiac arrest	I46*	3
Paroxysmal tachycardia	I47*	3
Atrial fibrillation and flutter	I48*	3
Other cardiac arrhythmias	I49*	3
Heart failure	I50*	3
Complications and ill-defined descriptions of heart disease	I51* except I51.4	3
Other heart disorders in diseases classified elsewhere	I52*	3
Non-ischemic myocardial injury (non-traumatic)	I5A	3
Nontraumatic subarachnoid hemorrhage	I60*	3
Nontraumatic intracerebral hemorrhage	I61*	3
Other and unspecified nontraumatic intracranial hemorrhage	I62*	3
Cerebral infarction	I63*	3
Occlusion and stenosis of precerebral arteries, not resulting in cerebral infarction	I65*	3
Occlusion and stenosis of cerebral arteries, not resulting in cerebral infarction	I66*	3
Other cerebrovascular diseases	I67* except I67.7	3
Cerebral amyloid angiopathy	I68.0	3
Other cerebrovascular disorders in diseases classified elsewhere	I68.8	3

Sequelae of cerebrovascular disease	I69*	3
Atherosclerosis	I70*	3
Aortic aneurysm and dissection	I71*	3
Other aneurysm	I72*	3
Other peripheral vascular diseases	I73* except I73.81	3
Arterial embolism and thrombosis	I74*	3
Atheroembolism	I75*	3
Septic arterial embolism	I76*	3
Other disorders of arteries and arterioles	I77* except I77.6	3
Diseases of capillaries	I78*	3
Disorders of arteries, arterioles and capillaries in diseases classified elsewhere	I79* except I79.1	3
Phlebitis and thrombophlebitis	I80*	3
Portal vein thrombosis	I81*	3
Other venous embolism and thrombosis	I82*	3
Varicose veins of lower extremities	I83*	3
Esophageal varices	I85*	3
Varicose veins of other sites	I86*	3
Other disorders of veins	I87*	3
Nonspecific lymphadenitis	I88*	3
Other noninfective disorders of lymphatic vessels and lymph nodes	I89*	3
Gangrene, not elsewhere classified	I96*	3
Intraoperative and postprocedural complications and disorders of circulatory system, not elsewhere classified	I97*	3
Other and unspecified disorders of circulatory system	I99*	3
Acute nasopharyngitis [common cold]	J00*	3
Acute laryngitis	J04.0	3
Acute upper respiratory infections of multiple and unspecified sites	J06*	3
Influenza	J09*-J11*	3
Other acute lower respiratory infections	J20*-J22*	3
Vasomotor and allergic rhinitis	J30*	3
Other and unspecified disorders of nose and nasal sinuses	J34*	3
Diseases of vocal cords and larynx, not elsewhere classified	J38* except J38.4	3
Other specified diseases of upper respiratory tract	J39.8	3
Disease of upper respiratory tract, unspecified	J39.9	3
Bronchitis, not specified as acute or chronic	J40*	3
Exercise induced bronchospasm	J45.990	3
Coalworker's pneumoconiosis	J60*	3
Pneumoconiosis due to asbestos and other mineral fiber	J61*	3
Airway disease due to specific organic dust	J66*	3
Alveolar and parieto-alveolar conditions	J84.0*	3

Lymphangiomyomatosis	J84.81	3
Pleural effusion, not elsewhere classified	J90*	3
Pleural plaque	J92*	3
Pneumothorax and air leak	J93*	3
Other pleural conditions	J94* except J94.0	3
Atelectasis	J98.11	3
Disorders of tooth development and eruption	K00*	3
Embedded and impacted teeth	K01*	3
Dental caries	K02*	3
Other diseases of hard tissues of teeth	K03*	3
Diseases of pulp and periapical tissues	K04*	3
Gingivitis and periodontal diseases	K05*	3
Other disorders of gingiva and edentulous alveolar ridge	K06*	3
Other disorders of teeth and supporting structures	K08*	3
Cysts of oral region, not elsewhere classified	K09*	3
Diseases of salivary glands	K11*	3
Other diseases of lip and oral mucosa	K13*	3
Diseases of tongue	K14*	3
Esophagitis	K20* except K20.0	3
Gastro-esophageal reflux disease	K21*	3
Other diseases of esophagus	K22*	3
Disorders of esophagus in diseases classified elsewhere	K23*	3
Gastric ulcer	K25*	3
Duodenal ulcer	K26*	3
Peptic ulcer, site unspecified	K27*	3
Gastrojejunal ulcer	K28*	3
Gastritis and duodenitis	K29*	3
Functional dyspepsia	K30*	3
Other diseases of stomach and duodenum	K31*	3
Diseases of appendix	K35*-K38*	3
Hernia	K40*-K46*	3
Vascular disorders of intestine	K55*	3
Diverticular disease of intestine	K57*	3
Irritable bowel syndrome	K58*	3
Other functional intestinal disorders	K59*	3
Fissure and fistula of anal and rectal regions	K60*	3
Abscess of anal and rectal regions	K61*	3
Other diseases of anus and rectum	K62* except K62.7	3
Other diseases of intestine	K63*	3
Hemorrhoids and perianal venous thrombosis	K64*	3
Peritonitis	K65* except K65.4	3
Other disorders of peritoneum	K66*	3

Disorders of peritoneum in infectious diseases classified elsewhere	K67*	3
Disorders of retroperitoneum	K68*	3
Alcoholic liver disease	K70* except K70.1* and K70.4*	3
Chronic hepatitis, not elsewhere classified	K73*	3
Fibrosis and cirrhosis of liver	K74* except K74.3	3
Abscess of liver	K75.0	3
Phlebitis of portal vein	K75.1	3
Nonspecific reactive hepatitis	K75.2	3
Nonalcoholic steatohepatitis (NASH)	K75.81	3
Other diseases of liver	K76*	3
Liver disorders in diseases classified elsewhere	K77*	3
Cholelithiasis	K80*	3
Cholecystitis	K81*	3
Other diseases of gallbladder	K82*	3
Other diseases of biliary tract	K83*	3
Acute pancreatitis	K85*	3
Other diseases of pancreas	K86*	3
Disorders of gallbladder, biliary tract and pancreas in diseases classified elsewhere	K87*	3
Intestinal malabsorption	K90* except K90.0 and K90.81	3
Intraoperative and postprocedural complications and disorders of digestive system, not elsewhere classified	K91* except K91.0	3
Other diseases of digestive system	K92* except K92.81	3
Complications of artificial openings of the digestive system	K94*	3
Complications of bariatric procedures	K95*	3
Staphylococcal scalded skin syndrome	L00*	3
Impetigo	L01*	3
Cutaneous abscess, furuncle and carbuncle	L02*	3
Cellulitis and Lymphangitis	L03*	3
Acute lymphadenitis	L04*	3
Pilonidal cyst and sinus	L05*	3
Other local infections of skin and subcutaneous tissue	L08* except L08.0 and L08.81	3
Acquired keratosis follicularis	L11.0	3
dermatitis herpetiformis	L13.0	3
Infantile (acute) (chronic) eczema	L20.83	3
Seborrheic dermatitis	L21*	3
Diaper dermatitis	L22*	3
Lichen simplex chronicus and prurigo	L28*	3
Pruritus	L29*	3
Erythema intertrigo	L30.3	3

Pityriasis alba	L30.4	3
Psoriasis	L40*	3
Parapsoriasis	L41*	3
Pityriasis rosea	L42*	3
Other papulosquamous disorders	L44*	3
Other erythematous conditions	L53* except L53.8, L53.9	3
Sunburn	L55*	3
Other acute skin changes due to ultraviolet radiation	L56* except L56.4	3
Skin changes due to chronic exposure to nonionizing radiation	L57*	3
Radiodermatitis	L58*	3
Other disorders of skin and subcutaneous tissue related to radiation	L59*	3
Nail disorders	L60*	3
Nail disorders in diseases classified elsewhere	L62*	3
Androgenic alopecia	L64*	3
Other nonscarring hair loss	L65* except L65.2	3
Hair color and hair shaft abnormalities	L67*	3
Hypertrichosis	L68*	3
Acne	L70* except L70.1	3
Rosacea	L71*	3
Follicular cysts of skin and subcutaneous tissue	L72*	3
Pseudofolliculitis barbae	L73.1	3
Eccrine sweat disorders	L74*	3
Apocrine sweat disorders	L75*	3
Intraoperative and postprocedural complications of skin and subcutaneous tissue	L76*	3
Other disorders of pigmentation	L81*	3
Seborrheic keratosis	L82*	3
Acanthosis nigricans	L83*	3
Corns and callosities	L84*	3
Other epidermal thickening	L85*	3
Keratoderma in diseases classified elsewhere	L86*	3
Transepidermal elimination disorders	L87*	3
Pressure ulcer	L89*	3
Atrophic disorders of skin	L90*	3
Hypertrophic disorders of skin	L91*	3
Granulomatous disorders of skin and subcutaneous tissue	L92*	3
Discoid lupus erythematosus	L93.0	3
Subacute cutaneous lupus erythematosus	L93.1	3
Calcinosis cutis	L94.2	3
Sclerodactyly	L94.3	3
Poikiloderma vasculare atrophicans	L94.5	3

Ainhum	L94.6	3
Livedoid vasculitis	L95.0	3
Non-pressure chronic ulcer of lower limb, not elsewhere classified	L97*	3
Other disorders of skin and subcutaneous tissue, not elsewhere classified	L98* except L98.2, L98.3, L98.8, L98.9	3
Pyogenic arthritis	M00*	3
Direct infections of joint in infectious and parasitic diseases classified elsewhere	M01*	3
Chronic postrheumatic arthropathy	M12.0*	3
Kaschin-Beck disease	M12.1*	3
Villonodular synovitis	M12.2*	3
Intermittent hydrarthrosis	M12.4*	3
Traumatic arthropathy	M12.5*	3
Charcôt's joint	M14.6*	3
Chronic gout	M1A*	3
Polyosteoarthritis	M15* except M15.4	3
Osteoarthritis of hip	M16*	3
Osteoarthritis of knee	M17*	3
Osteoarthritis of first carpometacarpal joint	M18*	3
Other and unspecified osteoarthritis	M19*	3
Acquired deformities of fingers and toes	M20*	3
Other acquired deformities of limbs	M21*	3
Disorder of patella	M22*	3
Internal derangement of knee	M23*	3
Other specific joint derangements	M24*	3
Other joint disorder, not elsewhere classified	M25*	3
Dentofacial anomalies [including malocclusion]	M26*	3
Other diseases of jaws	M27* except M27.2	3
Hypermobility syndrome	M35.7	3
Kyphosis and lordosis	M40*	3
Scoliosis	M41*	3
Spinal osteochondrosis	M42*	3
Other deforming dorsopathies	M43*	3
Ankylosing spondylitis	M45*	3
Osteomyelitis of vertebra	M46.2*	3
Infection of intervertebral disc (pyogenic)	M46.3*	3
Discitis, unspecified	M46.4*	3
Other infective spondylopathies	M46.5*	3
Other spondylopathies	M48*	3
Spondylopathies in diseases classified elsewhere	M49*	3
Other cervical disc degeneration	M50.3*	3
Other cervical disc disorders	M50.8*	3

Cervical disc disorder, unspecified	M50.9*	3
Other thoracic, thoracolumbar and lumbosacral intervertebral disc degeneration	M51.3*	3
Schmorl's nodes	M51.4*	3
Other thoracic, thoracolumbar and lumbosacral intervertebral disc disorders	M51.8*	3
Unspecified thoracic, thoracolumbar and lumbosacral intervertebral disc disorder	M51.9*	3
Cervicocranial syndrome	M53.0	3
Cervicobrachial syndrome	M53.1	3
Spinal instabilities	M53.2*	3
Sacrococcygeal disorders, not elsewhere classified	M53.3	3
Other specified dorsopathies	M53.8*	3
Dorsopathy, unspecified	M53.9	3
Cervicalgia	M54.2	3
Low back pain	M54.5*	3
Pain in thoracic spine	M54.6*	3
Other dorsalgia	M54.8	3
Dorsalgia, unspecified	M54.9	3
Infective myositis	M60.0*	3
Foreign body granuloma of soft tissue, not elsewhere classified	M60.2*	3
Calcification and ossification of muscle	M61*	3
Rhabdomyolysis	M62*	3
Disorders of muscle in diseases classified elsewhere	M63*	3
Synovitis and tenosynovitis	M65*	3
Spontaneous rupture of synovium and tendon	M66*	3
Other disorders of synovium and tendon	M67*	3
Soft tissue disorders related to use, overuse and pressure	M70*	3
Other bursopathies	M71*	3
Fibroblastic disorders	M72*	3
Shoulder lesions	M75*	3
Other and unspecified soft tissue disorders, not elsewhere classified	M79* except M79.0, M79.1, M79.2* M79.3	3
Osteoporosis with current pathological fracture	M80*	3
Osteoporosis without current pathological fracture	M81*	3
Adult osteomalacia	M83*	3
Disorder of continuity of bone	M84*	3
Other disorders of bone density and structure	M85*	3
Osteomyelitis	M86*	3
Osteonecrosis	M87*	3
Osteitis deformans [Paget's disease of bone]	M88*	3
Other disorders of bone	M89*	3
Osteopathies in diseases classified elsewhere	M90*	3

Juvenile osteochondrosis of hip and pelvis	M91*	3
Other juvenile osteochondrosis	M92*	3
Other osteochondropathies	M93*	3
Other disorders of cartilage	M94* except M94.1	3
Other acquired deformities of musculoskeletal system and connective tissue	M95*	3
Intraoperative and postprocedural complications and disorders of musculoskeletal system, not elsewhere classified	M96*	3
Periprosthetic fracture around internal prosthetic joint	M97*	3
Biomechanical lesions, not elsewhere classified	M99*	3
Acute pyelonephritis	N10*	3
Chronic tubulo-interstitial nephritis	N11*	3
Obstructive and reflux uropathy	N13*	3
analgesic nephropathy	N14.0	3
Other renal tubulo-interstitial diseases	N15*	3
Renal tubulo-interstitial disorders in diseases classified elsewhere	N16*	3
Chronic kidney disease (CKD)	N18*	3
Unspecified kidney failure	N19*	3
Urolithiasis	N20*-N23*	3
Disorders resulting from impaired renal tubular function	N25*	3
Unspecified contracted kidney	N26*	3
Small kidney of unknown cause	N27*	3
Other disorders of kidney and ureter, not elsewhere classified	N28*	3
Other disorders of kidney and ureter in diseases classified elsewhere	N29*	3
Cystitis	N30*	3
Neuromuscular dysfunction of bladder, not elsewhere classified	N31*	3
Other disorders of bladder	N32*	3
Bladder disorders in diseases classified elsewhere	N33*	3
Urethritis and urethral syndrome	N34*	3
Urethral stricture	N35*	3
Other disorders of urethra	N36*	3
Urethral disorders in diseases classified elsewhere	N37*	3
Other disorders of urinary system	N39*	3
Benign prostatic hyperplasia	N40*	3
Inflammatory diseases of prostate	N41* except N41.4	3
Other and unspecified disorders of prostate	N42*	3
Hydrocele and spermatocele	N43*	3
Noninflammatory disorders of testis	N44*	3
Orchitis and epididymitis	N45*	3
Male infertility	N46*	3

Disorders of prepuce	N47*	3
Other disorders of penis	N48*	3
Fournier gangrene	N49.3	3
Other and unspecified disorders of male genital organs	N50*	3
Disorders of male genital organs in diseases classified elsewhere	N51*	3
Male erectile dysfunction	N52*	3
Other male sexual dysfunction	N53*	3
Benign mammary dysplasia	N60*	3
Inflammatory disorders of breast	N61* except N61.2*	3
Hypertrophy of breast	N62*	3
Unspecified lump in breast	N63*	3
Other disorders of breast	N64*	3
Deformity and disproportion of reconstructed breast	N65*	3
Salpingitis and oophoritis	N70*	3
Inflammatory disease of uterus, except cervix	N71*	3
Inflammatory disease of cervix uteri	N72*	3
Other female pelvic inflammatory diseases	N73*	3
Female pelvic inflammatory disorders in diseases classified elsewhere	N74*	3
Diseases of Bartholin's gland	N75*	3
Other inflammation of vagina and vulva	N76*	3
Vulvovaginal ulceration and inflammation in diseases classified elsewhere	N77*	3
Noninflammatory disorders of female genital tract	N80*-N98*	3
Intraoperative and postprocedural complications and disorders of genitourinary system, not elsewhere classified	N99*	3
Pregnancy with abortive outcome	O00*-O08*	3
Edema, proteinuria and hypertensive disorders in pregnancy, childbirth and the puerperium	O10*-O16*	3
Other maternal disorders predominantly related to pregnancy	O20*-O29*	3
Maternal care related to the fetus and amniotic cavity and possible delivery problems	O30*-O48*	3
Complications of labor and delivery	O60*-O77* except O60*	3
Encounter for delivery	O80*-O82*	3
Complications predominantly related to the puerperium	O85*-O92*	3
Other obstetric conditions, not elsewhere classified	O94*-O9A*	3
Congenital malformations, deformations and chromosomal abnormalities	Q00*-Q99* except Q33*, Q81*, and Q85*	3
Abnormalities of heart beat	R00*	3
Cardiac murmurs and other cardiac sounds	R01*	3
Abnormal blood-pressure reading, without diagnosis	R03*	3
Hemorrhage from respiratory passages	R04*	3
Cough	R05*	3

Abnormalities of breathing	R06* except R06.1, R06.2	3
Pain in throat and chest	R07*	3
Other symptoms and signs involving the circulatory and respiratory system	R09* except R09.0*, R09.2	3
Abdominal and pelvic pain	R10*	3
Heartburn	R12*	3
Aphagia and dysphagia	R13*	3
Flatulence and related conditions	R14*	3
Fecal incontinence	R15*	3
Hepatomegaly and splenomegaly, not elsewhere classified	R16*	3
Unspecified jaundice	R17*	3
Ascites	R18*	3
Other symptoms and signs involving the digestive system and abdomen	R19*	3
Disturbances of skin sensation	R20*	3
Localized swelling, mass and lump of skin and subcutaneous tissue	R22*	3
Other skin changes	R23* except R23.8	3
Symptoms and signs involving the nervous and musculoskeletal systems	R25*-R29*	3
Symptoms and signs involving the genitourinary system	R30*-R39*	3
Symptoms and signs involving cognition, perception, emotional state and behavior	R40*-R46* except R42*	3
Symptoms and signs involving speech and voice	R47*-R49*	3
General symptoms and signs	R50*-R69* except R51*, R57.8, R57.9 and R65.21	3
Abnormal findings on examination of blood, without diagnosis	R70*-R79* except R70.0 and R79.82	3
Abnormal findings on examination of urine, without diagnosis	R80*-R82* except R80.3	3
Abnormal findings on examination of other body fluids, substances and tissues, without diagnosis	R83*-R89* except R83.4, R84.6, R84.4, R84.6, R85.4, R85.6, R86.4, R86.6 R87.4, R87.6, R89.4, R89.6	3
Abnormal findings on diagnostic imaging and in function studies, without diagnosis	R91*-R94*	3
Ill-defined and unknown cause of mortality	R99*	3
Injury, poisoning and certain other consequences of external causes	S00*-T88* except T50*, T63*, T70.2*, T70.3*, T78*	3
COVID-19	U50*	3
COVID-19	U85*	3
External Causes of morbidity	V00*-Y99*	3
Persons encountering health services for examinations	Z00*-Z13*	3
Genetic carrier and genetic susceptibility to disease	Z14*-Z15*	3
Resistance to antimicrobial drugs	Z16*	3
Retained foreign body fragments	Z18*	3

Persons with potential health hazards related to communicable diseases	Z20*-Z29*	3
Persons encountering health services in circumstances related to reproduction	Z30*-Z39* except Z3A.23-34	3
Encounters for other specific health care	Z40*-Z54* except Z48.2*, Z48.3*, Z51*	3
Encounter for other specified aftercare	Z51.8*	3
Donors of Organs and Tissues	Z52*	3
Persons encountering health services for specific procedures and treatment, not carried out	Z53*	3
Persons with potential health hazards related to socioeconomic and psychosocial circumstances	Z55*-Z65*	3
Do not resuscitate status	Z66*	3
Blood type	Z67*	3
Body mass index (BMI)	Z68*	3
Persons encountering health services in other circumstances	Z69*-Z76*	3
Persons with potential health hazards related to family and personal history and certain conditions influencing health status	Z78*-Z99* except Z79.52, Z79.6*, Z88*, Z91.0*, Z92.241*, Z98.85*	3
Certain conditions originating in the perinatal period	P00*-P96*	Not categorized

Supplementary Table 2. Acute Respiratory Infection Subcategorization by Tier

Tier	ARI Subcategorization	ICD-10
1	Croup	J04.2, J05.0
	Other Respiratory Disorders	J98* except J98.11
2	Pharyngitis & Tonsilitis	J02*, J03*
	Acute Sinusitis	J01*
	Tracheitis, supraglottitis, and epiglottitis	J04.1*, J04.3*, J05.1*
	Pneumonia	J12*-J18*
	COVID-19	U07.1
3	Bronchitis	J20*, J21*, J40*
	Unspecified Acute LRI	J22*
	Laryngitis	J04.0
	Influenza	J09*-J11*
	Otitis Media and other Ear Complaints	H65.0*, H65.1*, H65.9*, H66.0*, H66.4*, H66.9*, H67*, H73.9*, H74.8*, H74.9*, H75*
	Nonspecific URI	J00*, J06*
	Cough	R05*
	Other Respiratory Diagnosis	B34*, B97.89, J34.89, J39.8, J39.9, J98.11, J99*

Abbreviations: ARI, Acute Respiratory Infection, LRI, lower respiratory infection; URI, upper respiratory infection

Supplementary Table 3. Top 25 Diagnoses With the Highest SSCG Use Counts Among Tier 1 Encounters

Diagnosis	SSCG Use Counts	SSCG Use (%)	ICD-10
Asthma	3737	72.4	J45* except J45.990
Wheezing	2678	63.5	R06.2
Rash and other nonspecific skin eruption	2242	39.5	R21*
Allergic contact dermatitis	2129	84.7	L23*
Unspecified contact dermatitis	2115	76.5	L25*
Other chronic obstructive pulmonary disease	1053	71.3	J44*
Other and unspecified dermatitis	1022	40.4	L30* except L30.3 and L30.4
Urticaria	1021	74.0	L50*
Adverse effects, not elsewhere classified	1013	76.2	T78*
Acute obstructive laryngitis [croup]	1003	90.3	J05.0
Lumbago with sciatica	850	58.9	M54.4*
Gout	767	66.6	M10*
General symptoms and signs	728	13.1	R50*-R69* except R51*, R57.8, R57.9 and R65.21
Toxic effect of venom of other arthropod	621	49.8	T63*

Sciatica	498	68.3	M54.3*
Other respiratory disorders	386	32.5	J98* except J98.11
Stomatitis and related lesions	345	28.2	K12*
Dizziness and Giddiness	302	9.6	R42*
Chronic sinusitis	296	48.4	J32* except J32.9
Radiculopathy	290	63.0	M54.1*
Irritant contact dermatitis	286	70.1	L24*
Migraine	177	15.5	G43*
Atopic dermatitis	163	40.9	L20* except L20.83
Simple and mucopurulent chronic bronchitis	142	26.5	J41*
Mononeuropathies of upper limb	96	49.2	G56*

Abbreviations: SSCG, systemic short course glucocorticoid.

Note: The top 25 tier 1 diagnoses by steroid use count accounted for 95.6% of all tier 1 SSCG use.