Supplementary Table S5. ICD-10 and ICD-9 codes used for Charlson Comorbidity Index

ICD-10	Description	ICD-9	Description
I21.x	Acute myocardial infarction	410.x	Acute myocardial infarction
I22.x	Subsequent myocardial infarction	412.x	Old myocardial infarction
I50.x	Congestive heart failure, unspecified	428.x	Congestive heart failure
I51.9	Heart disease, unspecified	429.9	Ill-defined cardiovascular disease, unspecified
I71.3	Abdominal aortic aneurysm, ruptured	441.3	Abdominal aortic aneurysm, ruptured
I70.1	Atherosclerosis of renal artery	440.1	Atherosclerosis of renal artery
I70.8	Atherosclerosis of other specified arteries	440.8	Atherosclerosis of other specified arteries
I70.9	Generalized and unspecified atherosclerosis	440.9	Generalized and unspecified atherosclerosis
I73.9	Peripheral vascular disease, unspecified	443.9	Peripheral vascular disease, unspecified
I74.3	Embolism and thrombosis of arteries of lower extremities	444.22	Embolism and thrombosis of arteries of lower extremities
I74.4	Embolism and thrombosis of other specified arteries	444.81	Embolism and thrombosis of other specified arteries
I74.5	Embolism and thrombosis of unspecified arteries	444.9	Embolism and thrombosis of unspecified arteries
I74.9	Embolism and thrombosis of unspecified artery	444.9	Embolism and thrombosis of unspecified artery
I77.1	Stricture of artery	447.1	Stricture of artery
I77.2	Rupture of artery	447.2	Rupture of artery
I77.3	Arteriovenous fistula, acquired	447.3	Arteriovenous fistula, acquired
I77.4	Celiac artery compression syndrome	447.4	Celiac artery compression syndrome
I77.5	Necrotizing arteritis	447.5	Necrotizing arteritis
I77.6	Arteritis, unspecified	447.6	Arteritis, unspecified
I77.8	Other specified disorders of arteries and arterioles	447.8	Other specified disorders of arteries and arterioles
I77.9	Disorder of arteries and arterioles, unspecified	447.9	Disorder of arteries and arterioles, unspecified
I79.0	Aneurysm of aorta in diseases classified elsewhere	437.0	Aneurysm of aorta in diseases classified elsewhere
I79.1	Aortitis in diseases classified elsewhere	437.1	Aortitis in diseases classified elsewhere
I79.2	Peripheral angiopathy in diseases classified elsewhere	437.4	Cerebral arteritis
I79.8	Other disorders of arteries, arterioles and capillaries in diseases classified elsewhere	437.8	Other cerebrovascular disease
I79.9	Disease of arteries, arterioles and capillaries in diseases classified elsewhere, unspecified	437.9	Cerebrovascular disease, unspecified
I80.1	Phlebitis and thrombosis of femoral vein	451.1	Phlebitis and thrombosis of deep vessels of lower extremities
I80.2	Phlebitis and thrombosis of other deep vessels of lower extremities	451.2	Embolism and thrombosis of deep vessels of lower extremities
I80.3	Phlebitis and thrombosis of lower extremities, unspecified	451.9	Phlebitis and thrombosis of unspecified vessel
I82.0	Budd-Chiari syndrome	453.0	Budd-Chiari syndrome
I82.1	Thrombophlebitis migrans	453.1	Thrombophlebitis migrans
I82.2	Embolism and thrombosis of vena cava	453.2	Embolism and thrombosis of vena cava
I82.3	Embolism and thrombosis of renal vein	453.3	Embolism and thrombosis of renal vein
I82.4	Embolism and thrombosis of other specified deep vein	453.4	Embolism and thrombosis of other specified deep vein
I82.9	Embolism and thrombosis of unspecified vein	453.8	Other specified venous embolism and thrombosis
I83.9	Varicose veins of lower extremities without ulcer or inflammation	454.9	Varicose veins of lower extremities without ulcer or inflammation
I85.0	Esophageal varices with bleeding	456.0	Esophageal varices with bleeding
I85.9	Esophageal varices without bleeding	456.1	Esophageal varices without bleeding
I86.4	Gastrovascular ectasia	459.8	Other specified circulatory system disorders
I87.2	Venous insufficiency (chronic) (peripheral)	459.8	Other specified circulatory system disorders
I87.8	Other specified disorders of veins	459.8	Other specified circulatory system disorders
I87.9	Disorder of veins, unspecified	459.9	Circulatory system disorder, unspecified
I89.0	Lymphedema, not elsewhere classified	457.1	Lymphedema
I89.1	Lymphangitis	457.2	Lymphangitis
I89.8	Other specified non-infectious disorders of lymph vessels and lymph nodes	457.8	Other specified non-infectious disorders of lymph vessels and lymph nodes
I89.9	Non-infectious disorder of lymph vessels and lymph nodes, unspecified	457.9	Non-infectious disorder of lymph vessels and lymph nodes, unspecified
I95.1	Orthostatic hypotension	458.0	Orthostatic hypotension
I95.2	Hypotension due to drugs	458.1	Chronic hypotension
I95.3	Hypotension of hemodialysis	458.2	Iatrogenic hypotension
I95.9	Hypotension, unspecified	458.9	Hypotension, unspecified
I97.1	Other postcardiotomy syndromes	459.0	Postcardiotomy syndrome, unspecified
I97.8	Other postprocedural cardiac functions, not elsewhere classified	459.9	Other specified circulatory system disorders
I99.8	Other specified disorders of circulatory system	459.8	Other specified circulatory system disorders
I99.9	Disorder of circulatory system, unspecified	459.9	Circulatory system disorder, unspecified
J40.x	Bronchitis, not specified as acute or chronic	490.x	Bronchitis
J41.x	Simple and mucopurulent chronic bronchitis	491.x	Chronic bronchitis
J42.x	Unspecified chronic bronchitis	492.x	Emphysema
J43.x	Emphysema	493.x	Asthma
J44.x	Other chronic obstructive pulmonary disease	494.x	Chronic airway obstruction, not elsewhere classified
J45.x	Asthma	495.x	Hypersensitivity pneumonitis due to organic dust
J46.x	Status asthmaticus	496.x	Pneumoconiosis due to asbestos and other mineral fibers
J47.x	Bronchiectasis	500.x	Coal worker's pneumoconiosis
J60.x	Coalworker's pneumoconiosis	501.x	Silicosis
J61.x	Asbestosis	502.x	Silicosis associated with tuberculosis
J62.x	Silicosis	503.x	Dust reticulation of unspecified organic origin
J63.x	Silicosis associated with tuberculosis	504.x	Pneumonitis due to inhalation of chemicals and other solids
J64.x	Dust reticulation of unspecified organic origin	505.x	Pneumoconiosis, unspecified
J65.x	Pneumonitis due to inhalation of chemicals and other solids	506.x	Respiratory conditions due to chemical fumes and vapors
J66.x	Pneumoconiosis, unspecified	507.x	Pneumonitis due to solids and liquids
J67.x	Respiratory conditions due to chemical fumes and vapors	508.x	Respiratory conditions due to other external agents
J68.x	Pneumonitis due to solids and liquids	509.x	Unspecified respiratory conditions due to external agents
J70.x	Respiratory conditions due to other external agents	510.x	Empyema
J71.x	Unspecified respiratory conditions due to external agents	511.x	Pleurisy
J84.x	Empyema	512.x	Pneumothorax
J86.x	Pleurisy	513.x	Abscess of lung and mediastinum
J90.x	Pneumothorax	514.x	Pulmonary congestion and hypostasis
J92.x	Abscess of lung and mediastinum	515.x	Cicatrix of lung
J94.x	Pulmonary congestion and hypostasis	516.x	Pneumonitis due to inhalation of chemicals and other solids
J95.x	Cicatrix of lung	517.x	Lung involvement in other diseases classified elsewhere
J96.x	Pneumonitis due to inhalation of chemicals and other solids	518.x	Other diseases of lung
J98.x	Lung involvement in other diseases classified elsewhere	519.x	Unspecified respiratory conditions
J99.x	Other diseases of lung	520.x	Pneumonitis due to inhalation of chemicals and other solids
J99.x	Unspecified respiratory conditions	521.x	Pneumoconiosis, unspecified
K25.x	Gastric ulcer	531.x	Gastric ulcer
K26.x	Duodenal ulcer	532.x	Duodenal ulcer
K27.x	Peptic ulcer	533.x	Peptic ulcer
K28.x	Gastrojejunal ulcer	534.x	Gastrojejunal ulcer
K29.x	Gastritis and duodenitis	535.x	Gastritis and duodenitis
K30.x	Dyspepsia	536.8	Other specified disorders of stomach and duodenum
K31.x	Other diseases of stomach and duodenum	537.x	Other disorders of stomach and duodenum
K32.x	Other functional disorders of stomach and duodenum	537.8	Other specified disorders of stomach and duodenum
K33.x	Ulcerative and stenosing duodenitis	537.8	Other specified disorders of stomach and duodenum
K34.x	Functional disorders of esophagus	530.5	Dysphagia
K35.x	Acute appendicitis	540.x	Acute appendicitis
K36.x	Other appendicitis	541.x	Appendicitis, unspecified
K37.x	Unspecified appendicitis	542.x	Other appendicitis
K38.x	Appendicular colic	543.9	Other specified disease of appendix
K39.x	Hernia of abdominal cavity, without mention of obstruction or gangrene	550.x	Inguinal hernia, without mention of obstruction or gangrene
K40.x	Inguinal hernia, without mention of obstruction or gangrene	551.x	Femoral hernia, without mention of obstruction or gangrene
K41.x	Femoral hernia, without mention of obstruction or gangrene	552.x	Other specified hernia without mention of obstruction or gangrene
K42.x	Umbilical hernia, without mention of obstruction or gangrene	553.1	Diaphragmatic hernia without mention of obstruction or gangrene
K43.x	Ventral hernia, without mention of obstruction or gangrene	553.2	Hernia of other specified sites, without mention of obstruction or gangrene
K44.x	Diaphragmatic hernia, without mention of obstruction or gangrene	553.3	Unspecified hernia without mention of obstruction or gangrene
K45.x	Other specified hernia, without mention of obstruction or gangrene	553.8	Other specified hernia without mention of obstruction or gangrene
K46.x	Unspecified hernia, without mention of obstruction or gangrene	553.9	Unspecified hernia without mention of obstruction or gangrene
K50.x	Regional enteritis	555.x	Regional enteritis
K51.x	Ulcerative colitis	556.x	Ulcerative colitis
K52.x	Other noninfectious gastroenteritis and colitis	558.1	Other specified noninfectious gastroenteritis and colitis
K55.x	Vascular disorders of intestine	557.x	Vascular insufficiency of intestine
K56.x	Paralytic ileus and intestinal obstruction without hernia	560.1	Paralytic ileus
K56.x	Other impaction of intestine	560.3	Impaction of intestine
K56.x	Unspecified intestinal obstruction	560.9	Unspecified intestinal obstruction
K57.x	Diverticular disease of intestine	562.x	Diverticular disease of intestine
K58.x	Irritable bowel syndrome	564.1	Irritable bowel syndrome
K59.x	Other functional intestinal disorders	564.9	Other unspecified functional intestinal disorder
K60.x	Fissure in anus	565.0	Anal fissure
K60.x	Fistula in anus	565.1	Anal fistula
K60.x	Fistula in rectum	569.1	Rectal fistula
K61.x	Abscess of anus and rectum	566.x	Abscess of anus and rectum
K62.x	Other diseases of anus and rectum	569.x	Other disease of rectum and anus
K63.x	Other diseases of intestine	569.8	Other specified disorders of intestine
K63.x	Perforation of intestine (nontraumatic)	569.83	Perforation of intestine
K63.x	Other specified disorders of intestine	569.8	Other specified disorders of intestine
K63.x	Unspecified disorders of intestine	569.9	Unspecified disorder of intestine
K64.x	Hemorrhoids	455.x	Hemorrhoids
K65.x	Peritonitis	567.x	Peritonitis
K66.x	Other disorders of peritoneum	568.x	Other disorders of peritoneum
K70.x	Alcoholic liver disease	571.x	Alcoholic liver disease
K71.x	Toxic liver disease with cholestasis	573.8	Other specified disorders of liver
K72.x	Hepatic failure, not elsewhere classified	573.4	Hepatic failure
K73.x	Chronic hepatitis, not elsewhere classified	571.4	Chronic hepatitis
K74.x	Fibrosis and cirrhosis of liver	571.5	Cirrhosis of liver without mention of alcohol
K75.x	Other inflammatory liver disease	572.8	Other specified sequelae of liver disease
K76.x	Other disorders of liver	573.8	Other specified disorders of liver
K77.x	Liver disorders in diseases classified elsewhere	573.2	Liver disease, unspecified
K80.x	Cholelithiasis	574.x	Cholelithiasis
K81.x	Cholecystitis	575.x	Other disorders of gallbladder
K82.x	Other diseases of gallbladder	575.8	Other specified disorders of gallbladder
K83.x	Other diseases of biliary tract	576.x	Other disorders of biliary tract
K85.x	Acute pancreatitis	577.0	Acute pancreatitis
K86.x	Other diseases of pancreas	577.8	Other specified disorders of pancreas
K87.x	Disorders of gallbladder, biliary tract and pancreas in diseases classified elsewhere	577.8	Other specified disorders of pancreas
K90.x	Intestinal malabsorption	579.3	Other and unspecified postsurgical nutritional disorders
K91.x	Other digestive system disorders, not elsewhere classified	579.8	Other specified intestinal malabsorption
K91.x	Postprocedural disorder of digestive system, not elsewhere classified	579.3	Other and unspecified postsurgical nutritional disorders
K91.x	Unspecified postprocedural disorder of digestive system	579.9	Unspecified intestinal malabsorption
L40.x	Psoriasis	696.1	Other psoriasis
L41.x	Parapsoriasis	696.2	Parapsoriasis
L42.x	Pityriasis rosea	696.3	Pityriasis rosea
L43.x	Lichen planus	697.x	Lichen planus
L44.x	Other papulosquamous disorders	698.x	Other pruritic disorders
L45.x	Papulosquamous disorder, unspecified	699.1	Other dermatoses
L50.x	Urticaria	708.x	Urticaria
L51.x	Erythema multiforme	695.1	Erythema multiforme
L52.x	Erythema nodosum	695.2	Erythema nodosum
L53.x	Other erythematous conditions	695.9	Unspecified erythematous condition
L54.x	Erythema in other diseases classified elsewhere	695.3	Rosacea
L55.x	Sunburn	692.71	Sunburn
L56.x	Other acute skin changes due to ultraviolet radiation	692.72	Other acute skin changes due to ultraviolet radiation
L57.x	Skin changes due to chronic exposure to nonionizing radiation	692.82	Other skin changes due to chronic exposure to nonionizing radiation
L58.x	Radiodermatitis	692.82	Other skin changes due to chronic exposure to nonionizing radiation
L59.x	Other disorders of skin and subcutaneous tissue related to radiation	692.9	Unspecified skin changes due to chronic exposure to nonionizing radiation
L60.x	Nail disorders	703.x	Disease of nail
L63.x	Alopecia areata	704.01	Alopecia areata
L64.x	Androgenic alopecia	704.00	Androgenic alopecia
L65.x	Other nonscarring hair loss	704.09	Other hair loss
L66.x	Cicatricial alopecia (scarring hair loss)	704.09	Other hair loss
L70.x	Acne	706.1	Acne
L71.x	Rosacea	695.3	Rosacea
L72.x	Follicular cysts of skin and subcutaneous tissue	706.2	Sebaceous cyst
L73.x	Other follicular disorders	704.8	Other specified disease of hair and follicles
L74.x	Eccrine sweat disorders	705.x	Disorders of sweat glands
L75.x	Apocrine sweat disorders	705.x	Disorders of sweat glands
L76.x	Hemorrhagic disorder of skin and subcutaneous tissue	709.8	Other specified disorders of skin and subcutaneous tissue
L80.x	Vitiligo	709.01	Vitiligo
L81.x	Other disorders of pigmentation	709.09	Other disorders of pigmentation
L82.x	Seborrheic keratosis	702.19	Other seborrheic keratosis
L83.x	Acanthosis nigricans	701.2	Acanthosis nigricans
L84.x	Corns and callosities	700.x	Corns and callosities
L85.x	Other epidermal thickening	701.8	Other specified hypertrophic and keratotic conditions
L86.x	Keratoderma in diseases classified elsewhere	701.8	Other specified hypertrophic and keratotic conditions
L87.x	Transmission of elastic tissue	701.8	Other specified hypertrophic and keratotic conditions
L88.x	Pyoderma gangrenosum	686.01	Pyoderma gangrenosum
L89.x	Decubitus ulcer	707.00	Decubitus ulcer
L90.x	Atrophic disorders of skin	701.9	Unspecified skin changes
L91.x	Hypertrophic disorders of skin	701.4	Keloid scar
L92.x	Granulomatous disorders of skin and subcutaneous tissue	709.3	Other granulomatous disorders of skin and subcutaneous tissue
L93.x	Lupus erythematosus	695.4	Lupus erythematosus
L94.x	Other localized connective tissue disorders	701.8	Other specified hypertrophic and keratotic conditions
L95.x	Vasculitis limited to skin, not elsewhere classified	709.1	Vascular disorders of skin
L96.x	Other disorders of skin and subcutaneous tissue related to the circulatory system	709.8	Other specified disorders of skin and subcutaneous tissue
L97.x	Ulcer of lower limb, not elsewhere classified	707.10	Ulcer of lower limb, except decubitus
L98.x	Other disorders of skin and subcutaneous tissue, not elsewhere classified	709.8	Other specified disorders of skin and subcutaneous tissue
L99.x	Other disorders of skin and subcutaneous tissue in diseases classified elsewhere	709.8	Other specified disorders of skin and subcutaneous tissue
M05.x	Seropositive rheumatoid arthritis	714.0	Rheumatoid arthritis
M06.x	Other rheumatoid arthritis	714.0	Rheumatoid arthritis
M07.x	Psoriatic arthropathy	696.0	Psoriatic arthropathy
M08.x	Juvenile rheumatoid arthritis	714.30	Juvenile rheumatoid arthritis
M09.x	Juvenile rheumatoid arthritis in diseases classified elsewhere	714.31	Juvenile rheumatoid arthritis
M10.x	Gout	274.x	Gout
M11.x	Other crystal arthropathies	275.4	Other crystal arthropathies
M12.x	Other specified arthropathies	716.8	Other specified arthropathies
M13.x	Other arthritis	716.8	Other specified arthropathies
M14.x	Arthropathies in other diseases classified elsewhere	713.x	Arthropathies in other diseases classified elsewhere
M15.x	Polyarthrosis	715.x	Osteoarthrosis
M16.x	Coxarthrosis (arthrosis of hip)	715.x	Osteoarthrosis
M17.x	Gonarthrosis (arthrosis of knee)	715.x	Osteoarthrosis
M18.x	Arthrosis of first carpometacarpal joint	715.x	Osteoarthrosis
M19.x	Other arthrosis	715.x	Osteoarthrosis
M20.x	Acquired deformities of fingers and toes	736.x	Other deformities of limbs
M21.x	Other acquired deformities of limbs	736.x	Other deformities of limbs
M22.x	Disorders of patella	717.x	Internal derangement of knee
M23.x	Internal derangement of knee	717.x	Internal derangement of knee
M24.x	Other joint disorders, not elsewhere classified	718.x	Other joint disorders
M25.x	Other joint disorder, not elsewhere classified	719.x	Other joint disorders
M26.x	Dentofacial anomalies, including malocclusion	524.x	Dentofacial anomalies, including malocclusion
M27.x	Other diseases of jaws	526.x	Other diseases of jaws
M28.x	Other disorders of skull and bones of head, not elsewhere classified	733.8	Other disorders of bone and cartilage
M29.x	Other musculoskeletal disorders, not elsewhere classified	733.8	Other disorders of bone and cartilage
M30.x	Polyarteritis nodosa and related conditions	446.x	Polyarteritis nodosa and allied conditions
M31.x	Other necrotizing vascular disorders	446.x	Polyarteritis nodosa and allied conditions
M32.x	Systemic lupus erythematosus	710.0	Systemic lupus erythematosus
M33.x	Dermatopolymyositis	710.3	Dermatomyositis
M34.x	Systemic sclerosis	710.1	Systemic sclerosis
M35.x	Other systemic involvement of connective tissue	710.8	Other specified diffuse connective tissue disease
M36.x	Systemic disorders of connective tissue in diseases classified elsewhere	710.8	Other specified diffuse connective tissue disease
M40.x	Kyphosis	737.x	Curvature of spine
M41.x	Scoliosis	737.x	Curvature of spine
M42.x	Osteochondrosis of spine	732.x	Osteochondrosis of spine
M43.x	Other deforming dorsopathies	738.4	Other specified acquired deformity of spine
M44.x	Spondylosis	721.x	Spondylosis
M45.x	Ankylosing spondylitis	720.0	Ankylosing spondylitis
M46.x	Other inflammatory spondylopathies	720.8	Other inflammatory spondylopathies
M47.x	Spondylosis	721.x	Spondylosis
M48.x	Other spondopathies	721.x	Spondylosis
M49.x	Spondylopathy in diseases classified elsewhere	721.x	Spondylosis
M50.x	Cervical disc disorders	722.x	Cervical disc disorders
M51.x	Other thoracic or lumbar disc disorders	724.x	Other disorders of back
M53.x	Other dorsopathies, not elsewhere classified	724.x	Other disorders of back
M54.x	Dorsalgia	724.x	Other disorders of back
M60.x	Myositis	729.1	Myalgia
M61.x	Calcification and ossification of muscle	728.9	Unspecified disorder of muscle, ligament and fascia
M62.x	Other disorders of muscle	728.8	Other specified disorders of muscle
M63.x	Disorders of muscle in diseases classified elsewhere	728.8	Other specified disorders of muscle
M65.x	Synovitis and tenosynovitis	727.x	Synovitis, tenosynovitis and bursitis
M66.x	Spontaneous rupture of synovium	727.8	Other specified disorders of synovium, tendon, and bursa
M67.x	Other disorders of synovium, tendon, and bursa	727.8	Other specified disorders of synovium, tendon, and bursa
M70.x	Soft tissue disorders related to use, overuse and pressure	726.x	Peripheral enthesopathies and allied syndromes
M71.x	Other bursopathies	727.3	Other bursitis
M72.x	Fibroblastic disorders	728.8	Other specified disorders of muscle, ligament and fascia
M73.x	Other soft tissue disorders in diseases classified elsewhere	728.8	Other specified disorders of muscle, ligament and fascia
M75.x	Shoulder lesions	726.x	Peripheral enthesopathies and allied syndromes
M76.x	Enthesopathies of lower limb, excluding foot	726.x	Peripheral enthesopathies and allied syndromes
M77.x	Other enthesopathies	726.x	Peripheral enthesopathies and allied syndromes
M79.x	Other soft tissue disorders, not elsewhere classified	729.x	Other disorders of soft tissue
M80.x	Osteoporosis with pathological fracture	733.1	Pathological fracture
M81.x	Osteoporosis without pathological fracture	733.0	Osteoporosis
M82.x	Osteoporosis in diseases classified elsewhere	733.0	Osteoporosis
M83.x	Adult osteomalacia	268.2	Osteomalacia
M84.x	Other disorders of bone density and structure	733.1	Pathological fracture
M85.x	Other disorders of bone density and structure	733.8	Other specified disorders of bone and cartilage
M86.x	Osteomyelitis	730.x	Osteomyelitis
M87.x	Osteonecrosis	733.4	Aseptic necrosis of bone
M88.x	Osteitis deformans in diseases classified elsewhere	731.0	Osteitis deformans without mention of bone tumor
M89.x	Other disorders of bone	733.8	Other specified disorders of bone and cartilage
M90.x	Osteopathies in diseases classified elsewhere	733.8	Other specified disorders of bone and cartilage
M91.x	Juvenile osteochondrosis of hip and pelvis	732.1	Juvenile osteochondrosis of hip and pelvis
M92.x	Juvenile osteochondrosis of other extremities	732.2	Other osteochondrosis
M93.x	Other osteochondropathies	732.8	Other specified osteochondrosis
M94.x	Other cartilage disorders	733.8	Other specified disorders of bone and cartilage
M95.x	Other musculoskeletal deformity	736.x	Other deformities of limbs
N00.x	Acute nephritis	580.x	Acute nephritis
N01.x	Rapidly progressive nephritis	581.x	Nephrotic syndrome
N02.x	Recurrent and persistent hematuria	599.7	Hematuria
N03.x	Chronic nephritis	582.x	Chronic nephritis
N04.x	Nephrotic syndrome	581.x	Nephrotic syndrome
N05.x	Unspecified nephritis	583.x	Nephritis and nephropathy, not specified as acute or chronic
N06.x	Isolated proteinuria with specified lesion	593.9	Other specified disorders of kidney and ureter
N07.x	Hereditary nephropathy, not elsewhere classified	583.1	Chronic glomerulonephritis
N08.x	Glomerular disorders in diseases classified elsewhere	583.6	Renal failure with renal cortical necrosis
N10.x	Acute tubulo-interstitial nephritis	590.x	Infections of kidney
N11.x	Chronic tubulo-interstitial nephritis	590.x	Infections of kidney
N12.x	Tubulo-interstitial nephritis, not specified as acute or chronic	590.x	Infections of kidney
N13.x	Obstructive and reflux uropathy	593.5	Hydronephrosis
N14.x	Drug- and heavy metal-induced tubulopathy	593.7	Vascular lesions of kidney
N15.x	Other renal tubulo-interstitial diseases	593.9	Other specified disorders of kidney and ureter
N16.x	Renal tubulo-interstitial disorders in diseases classified elsewhere	593.9	Other specified disorders of kidney and ureter
N17.x	Acute renal failure	584.x	Acute renal failure
N18.x	Chronic kidney disease	585.x	Chronic kidney disease
N19.x	Unspecified renal failure	586.x	Renal failure, unspecified
N20.x	Calculus of kidney	592.0	Calculus of kidney
N21.x	Calculus of lower urinary tract	594.x	Other lower urinary tract calculus
N22.x	Calculus of urinary tract in diseases classified elsewhere	594.x	Other lower urinary tract calculus
N23.x	Unspecified renal colic	592.1	Calculus of ureter
N25.x	Disorders resulting from impaired renal tubular function	588.x	Disorders resulting from impaired renal function
N26.x	Renal sclerosis, unspecified	587.x	Renal sclerosis, unspecified
N27.x	Small kidney of unknown cause	589.x	Small kidney, unspecified
N28.x	Other disorders of kidney and ureter, not elsewhere classified	593.9	Other specified disorders of kidney and ureter
N29.x	Other disorders of kidney and ureter in diseases classified elsewhere	593.9	Other specified disorders of kidney and ureter
N30.x	Cystitis	595.x	Cystitis
N31.x	Neuromuscular dysfunction of bladder, not elsewhere classified	596.54	Neurogenic bladder NOS
N32.x	Other bladder disorders	596.8	Other specified disorders of bladder
N33.x	Bladder disorders in diseases classified elsewhere	596.8	Other specified disorders of bladder
N34.x	Urethritis and urethral syndrome	597.x	Urethritis, not specified as gonococcal
N35.x	Urethral stricture	598.x	Urethral stricture
N36.x	Other disorders of urethra	599.8	Other specified disorders of urethra and urinary tract
N37.x	Urethritis in diseases classified elsewhere	599.8	Other specified disorders of urethra and urinary tract
N39.x	Other disorders of urinary system	599.8	Other specified disorders of urethra and urinary tract
N40.x	Hyperplasia of prostate	600.x	Benign prostatic hypertrophy
N41.x	Inflammatory diseases of prostate	601.x	Inflammatory disease of prostate
N42.x	Other disorders of prostate	602.8	Other specified disorders of prostate
N43.x	Hydrocele and spermatocele	603.x	Hydrocele
N44.x	Torsion of testis	608.2	Torsion of testis
N45.x	Orchitis and epididymitis	604.x	Orchitis and epididymitis
N46.x	Male infertility	606.x	Male infertility
N47.x	Redundant prepuce and phimosis	605.x	Redundant prepuce and phimosis
N48.x	Other disorders of penis	607.x	Other disorders of penis
N49.x	Inflammatory disorders of male genital organs, not elsewhere classified	608.x	Other disorders of male genital organs
N50.x	Other disorders of male genital organs	608.x	Other disorders of male genital organs
N51.x	Disorders of male genital organs in diseases classified elsewhere	608.x	Other disorders of male genital organs
N60.x	Benign mammary dysplasia	610.x	Benign mammary dysplasia
N61.x	Inflammatory disorders of breast	611.x	Other inflammatory disease of breast
N62.x	Hypertrophy of breast	611.1	Hypertrophy of breast
N63.x	Unspecified lump in breast	611.72	Lump or mass in breast
N64.x	Other disorders of breast	611.8	Other specified disorders of breast
N65.x	Disorders of breast in diseases classified elsewhere	611.8	Other specified disorders of breast
N70.x	Salpingitis and oophoritis	614.x	Salpingitis and oophoritis
N71.x	Inflammatory disease of uterus, except cervix	615.x	Inflammatory disease of uterus, except cervix
N72.x	Inflammatory disease of cervix	616.x	Inflammatory disease of cervix
N73.x	Other female pelvic inflammatory diseases	614.x	Salpingitis and oophoritis
N74.x	Female pelvic inflammatory disease in diseases classified elsewhere	614.x	Salpingitis and oophoritis
N75.x	Diseases of Bartholin's gland	616.x	Inflammatory disease of cervix
N76.x	Other inflammatory disease of vagina	616.x	Inflammatory disease of cervix
N77.x	Vulvovaginal ulceration and inflammation in diseases classified elsewhere	616.x	Inflammatory disease of cervix
N80.x	Endometriosis	617.x	Endometriosis
N81.x	Female genital prolapse	618.x	Genital prolapse
N82.x	Fistulae involving female genital tract	619.x	Fistula involving female genital tract
N83.x	Noninflammatory disorders of ovary, fallopian tube, and broad ligament	620.x	Noninflammatory disorders of ovary, fallopian tube, and broad ligament
N84.x	Polyp of female genital tract	621.0	Polyp of female genital tract
N85.x	Other noninflammatory disorders of uterus, except cervix	621.x	Other disorders of uterus, except cervix
N86.x	Erosion and ectropion of cervix	622.0	Erosion and ectropion of cervix
N87.x	Dysplasia of cervix	622.1	Dysplasia of cervix
N88.x	Other noninflammatory disorders of cervix	622.x	Other disorders of cervix
N89.x	Other noninflammatory disorders of vagina	623.x	Other disorders of vagina
N90.x	Other noninflammatory disorders of vulva and perineum	624.x	Other disorders of vulva and perineum
N91.x	Absence of menstruation	626.1	Absence of menstruation
N92.x	Excessive menstruation	626.2	Excessive menstruation
N93.x	Other abnormal uterine and vaginal bleeding	626.8	Other specified disorders of menstruation and other abnormal bleeding from female genital tract
N94.x	Pain and other conditions associated with female genital organs and menstrual cycle	625.x	Pain and other conditions associated with female genital organs and menstrual cycle
N95.x	Menopausal and other perimenopausal disorders	627.x	Menopausal and other perimenopausal disorders
N96.x	Habitual abortion	629.8	Other specified disorders of female genital organs
N97.x	Female infertility	628.x	Female infertility
N98.x	Complications associated with artificial fertilization	629.8	Other specified disorders of female genital organs
N99.x	Other disorders of genitourinary system	629.8	Other specified disorders of female genital organs
O00.x	Ectopic pregnancy	633.x	Ectopic pregnancy
O01.x	Hydatidiform mole	630.x	Hydatidiform mole
O02.x	Other abnormal products of conception	631.x	Other abnormal product of conception
O03.x	Spontaneous abortion	634.x	Spontaneous abortion
O04.x	Medical abortion	635.x	Medical abortion
O05.x	Other abortion	636.x	Other abortion
O06.x	Unspecified abortion	637.x	Unspecified abortion
O07.x	Failed attempted abortion	638.x	Failed attempted abortion
O08.x	Complications following abortion and ectopic and molar pregnancy	639.x	Complications following abortion and ectopic and molar pregnancy
O09.x	Supervision of high risk pregnancy	V23.x	Supervision of high risk pregnancy
O10.x	Pre-existing hypertension complicating pregnancy, childbirth and the puerperium	642.x	Pre-existing hypertension complicating pregnancy, childbirth and the puerperium
O11.x	Pre-existing hypertension with pre-eclampsia	642.x	Pre-existing hypertension complicating pregnancy, childbirth and the puerperium
O12.x	Gestational edema and proteinuria without hypertension	642.x	Pre-existing hypertension complicating pregnancy, childbirth and the puerperium
O13.x	Gestational hypertension, without significant proteinuria	642.x	Pre-existing hypertension complicating pregnancy, childbirth and the puerperium
O14.x	Gestational hypertension with significant proteinuria	642.x	Pre-existing hypertension complicating pregnancy, childbirth and the puerperium
O15.x	Eclampsia	642.x	Pre-existing hypertension complicating pregnancy, childbirth and the puerperium
O16.x	Unspecified maternal hypertension	642.x	Pre-existing hypertension complicating pregnancy, childbirth and the puerperium
O20.x	Hemorrhage in early pregnancy	640.x	Hemorrhage in early pregnancy
O21.x	Excessive vomiting in pregnancy	643.x	Excessive vomiting in pregnancy
O22.x	Venous complications in pregnancy	671.x	Venous complications in pregnancy and puerperium
O23.x	Infections of genitourinary tract in pregnancy	646.x	Other specified disorders of pregnancy, not elsewhere classified
O24.x	Diabetes mellitus in pregnancy	648.8	Other specified diseases and conditions complicating pregnancy, childbirth and the puerperium
O25.x	Malnutrition in pregnancy	648.8	Other specified diseases and conditions complicating pregnancy, childbirth and the puerperium
O26.x	Maternal care for other conditions predominantly related to pregnancy	648.8	Other specified diseases and conditions complicating pregnancy, childbirth and the puerperium
O28.x	Abnormal findings on antenatal screening of mother	648.8	Other specified diseases and conditions complicating pregnancy, childbirth and the puerperium
O29.x	Complications of anesthesia during pregnancy	648.8	Other specified diseases and conditions complicating pregnancy, childbirth and the puerperium
O30.x	Multiple gestation	651.x	Multiple gestation
O31.x	Complications specific to multiple gestation	651.x	Multiple gestation
O32.x	Maternal care for known or suspected poor fetal growth	656.5	Other specified disorders of fetal and placental problems
O33.x	Maternal care for known or suspected disproportion	653.x	Disproportion of fetal dimensions
O34.x	Maternal care for abnormality of pelvic organs	654.x	Abnormality of maternal pelvis
O35.x	Maternal care for known or suspected fetal abnormality and damage	655.x	Known or suspected fetal abnormality
O36.x	Maternal care for other fetal problems	656.8	Other specified disorders of fetal and placental problems
O37.x	Maternal care for other conditions predominantly related to the fetus in diseases classified elsewhere	656.8	Other specified disorders of fetal and placental problems
O40.x	Polyhydramnios	657.x	Polyhydramnios
O41.x	Other disor