

# Use of the Tree-Based Scan Statistic for Surveillance of Infant Outcomes Following Maternal Perinatal Medication Use

Appendices: Code Lists

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August 28, 2020

The Sentinel System is sponsored by the [U.S. Food and Drug Administration \(FDA\)](#) to proactively monitor the safety of FDA-regulated medical products and complements other existing FDA safety surveillance capabilities. The Sentinel System is one piece of FDA's [Sentinel Initiative](#), a long-term, multi-faceted effort to develop a national electronic system. Sentinel Collaborators include Data and Academic Partners that provide access to healthcare data and ongoing scientific, technical, methodological, and organizational expertise. The Sentinel Coordinating Center is funded by the FDA through the Department of Health and Human Services (HHS) Contract number HHSF223201400030I.

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## Appendices: Code Lists

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**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

Code	Description	Code Type	Code Category
<b>Alcohol Abuse</b>			
291.0	Alcohol withdrawal delirium	09	Diagnosis
291.1	Alcohol-induced persisting amnestic disorder	09	Diagnosis
291.2	Alcohol-induced persisting dementia	09	Diagnosis
291.3	Alcohol-induced psychotic disorder with hallucinations	09	Diagnosis
291.4	Idiosyncratic alcohol intoxication	09	Diagnosis
291.5	Alcohol-induced psychotic disorder with delusions	09	Diagnosis
291.8	Other specified alcohol-induced mental disorders	09	Diagnosis
291.81	Alcohol withdrawal	09	Diagnosis
291.82	Alcohol induced sleep disorders	09	Diagnosis
291.89	Other specified alcohol-induced mental disorders	09	Diagnosis
291.9	Unspecified alcohol-induced mental disorders	09	Diagnosis
303.0	Acute alcoholic intoxication	09	Diagnosis
303.00	Acute alcoholic intoxication, unspecified	09	Diagnosis
303.01	Acute alcoholic intoxication, continuous	09	Diagnosis
303.02	Acute alcoholic intoxication, episodic	09	Diagnosis
303.03	Acute alcoholic intoxication, in remission	09	Diagnosis
303.9	Other and unspecified alcohol dependence	09	Diagnosis
303.90	Other and unspecified alcohol dependence, unspecified	09	Diagnosis
303.91	Other and unspecified alcohol dependence, continuous	09	Diagnosis
303.92	Other and unspecified alcohol dependence, episodic	09	Diagnosis
303.93	Other and unspecified alcohol dependence, in remission	09	Diagnosis
305.0	Nondependent alcohol abuse	09	Diagnosis
305.00	Nondependent alcohol abuse, unspecified	09	Diagnosis
305.01	Nondependent alcohol abuse, continuous	09	Diagnosis
305.02	Nondependent alcohol abuse, episodic	09	Diagnosis
305.03	Nondependent alcohol abuse, in remission	09	Diagnosis
F10.10	Alcohol abuse, uncomplicated	10	Diagnosis
F10.11	Alcohol abuse, in remission	10	Diagnosis
F10.120	Alcohol abuse with intoxication, uncomplicated	10	Diagnosis
F10.121	Alcohol abuse with intoxication delirium	10	Diagnosis
F10.129	Alcohol abuse with intoxication, unspecified	10	Diagnosis
F10.14	Alcohol abuse with alcohol-induced mood disorder	10	Diagnosis
F10.150	Alcohol abuse with alcohol-induced psychotic disorder with delusions	10	Diagnosis
F10.151	Alcohol abuse with alcohol-induced psychotic disorder with hallucinations	10	Diagnosis
F10.159	Alcohol abuse with alcohol-induced psychotic disorder, unspecified	10	Diagnosis
F10.180	Alcohol abuse with alcohol-induced anxiety disorder	10	Diagnosis
F10.181	Alcohol abuse with alcohol-induced sexual dysfunction	10	Diagnosis
F10.182	Alcohol abuse with alcohol-induced sleep disorder	10	Diagnosis
F10.188	Alcohol abuse with other alcohol-induced disorder	10	Diagnosis
F10.19	Alcohol abuse with unspecified alcohol-induced disorder	10	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
F10.20	Alcohol dependence, uncomplicated	10	Diagnosis
F10.21	Alcohol dependence, in remission	10	Diagnosis
F10.220	Alcohol dependence with intoxication, uncomplicated	10	Diagnosis
F10.221	Alcohol dependence with intoxication delirium	10	Diagnosis
F10.229	Alcohol dependence with intoxication, unspecified	10	Diagnosis
F10.230	Alcohol dependence with withdrawal, uncomplicated	10	Diagnosis
F10.231	Alcohol dependence with withdrawal delirium	10	Diagnosis
F10.232	Alcohol dependence with withdrawal with perceptual disturbance	10	Diagnosis
F10.239	Alcohol dependence with withdrawal, unspecified	10	Diagnosis
F10.24	Alcohol dependence with alcohol-induced mood disorder	10	Diagnosis
F10.250	Alcohol dependence with alcohol-induced psychotic disorder with delusions	10	Diagnosis
F10.251	Alcohol dependence with alcohol-induced psychotic disorder with hallucinations	10	Diagnosis
F10.259	Alcohol dependence with alcohol-induced psychotic disorder, unspecified	10	Diagnosis
F10.26	Alcohol dependence with alcohol-induced persisting amnestic disorder	10	Diagnosis
F10.27	Alcohol dependence with alcohol-induced persisting dementia	10	Diagnosis
F10.280	Alcohol dependence with alcohol-induced anxiety disorder	10	Diagnosis
F10.281	Alcohol dependence with alcohol-induced sexual dysfunction	10	Diagnosis
F10.282	Alcohol dependence with alcohol-induced sleep disorder	10	Diagnosis
F10.288	Alcohol dependence with other alcohol-induced disorder	10	Diagnosis
F10.29	Alcohol dependence with unspecified alcohol-induced disorder	10	Diagnosis
F10.920	Alcohol use, unspecified with intoxication, uncomplicated	10	Diagnosis
F10.921	Alcohol use, unspecified with intoxication delirium	10	Diagnosis
F10.929	Alcohol use, unspecified with intoxication, unspecified	10	Diagnosis
F10.94	Alcohol use, unspecified with alcohol-induced mood disorder	10	Diagnosis
F10.950	Alcohol use, unspecified with alcohol-induced psychotic disorder with delusions	10	Diagnosis
F10.951	Alcohol use, unspecified with alcohol-induced psychotic disorder with hallucinations	10	Diagnosis
F10.959	Alcohol use, unspecified with alcohol-induced psychotic disorder, unspecified	10	Diagnosis
F10.96	Alcohol use, unspecified with alcohol-induced persisting amnestic disorder	10	Diagnosis
F10.97	Alcohol use, unspecified with alcohol-induced persisting dementia	10	Diagnosis
F10.980	Alcohol use, unspecified with alcohol-induced anxiety disorder	10	Diagnosis
F10.981	Alcohol use, unspecified with alcohol-induced sexual dysfunction	10	Diagnosis
F10.982	Alcohol use, unspecified with alcohol-induced sleep disorder	10	Diagnosis
F10.988	Alcohol use, unspecified with other alcohol-induced disorder	10	Diagnosis
F10.99	Alcohol use, unspecified with unspecified alcohol-induced disorder	10	Diagnosis
<b>Asthma</b>			
493.0	Extrinsic asthma	09	Diagnosis
493.00	Extrinsic asthma, unspecified	09	Diagnosis
493.01	Extrinsic asthma with status asthmaticus	09	Diagnosis
493.02	Extrinsic asthma, with (acute) exacerbation	09	Diagnosis
493.1	Intrinsic asthma	09	Diagnosis
493.10	Intrinsic asthma, unspecified	09	Diagnosis
493.11	Intrinsic asthma with status asthmaticus	09	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
493.12	Intrinsic asthma, with (acute) exacerbation	09	Diagnosis
493.2	Chronic obstructive asthma	09	Diagnosis
493.20	Chronic obstructive asthma, unspecified	09	Diagnosis
493.21	Chronic obstructive asthma with status asthmaticus	09	Diagnosis
493.22	Chronic obstructive asthma, with (acute) exacerbation	09	Diagnosis
493.8	Other forms of asthma	09	Diagnosis
493.81	Exercise induced bronchospasm	09	Diagnosis
493.82	Cough variant asthma	09	Diagnosis
493.9	Unspecified asthma	09	Diagnosis
493.90	Asthma, unspecified, unspecified status	09	Diagnosis
493.91	Asthma, unspecified with status asthmaticus	09	Diagnosis
493.92	Asthma, unspecified, with (acute) exacerbation	09	Diagnosis
J44.0	Chronic obstructive pulmonary disease with (acute) lower respiratory infection	10	Diagnosis
J44.1	Chronic obstructive pulmonary disease with (acute) exacerbation	10	Diagnosis
J44.9	Chronic obstructive pulmonary disease, unspecified	10	Diagnosis
J45.20	Mild intermittent asthma, uncomplicated	10	Diagnosis
J45.21	Mild intermittent asthma with (acute) exacerbation	10	Diagnosis
J45.22	Mild intermittent asthma with status asthmaticus	10	Diagnosis
J45.30	Mild persistent asthma, uncomplicated	10	Diagnosis
J45.31	Mild persistent asthma with (acute) exacerbation	10	Diagnosis
J45.32	Mild persistent asthma with status asthmaticus	10	Diagnosis
J45.40	Moderate persistent asthma, uncomplicated	10	Diagnosis
J45.41	Moderate persistent asthma with (acute) exacerbation	10	Diagnosis
J45.42	Moderate persistent asthma with status asthmaticus	10	Diagnosis
J45.50	Severe persistent asthma, uncomplicated	10	Diagnosis
J45.51	Severe persistent asthma with (acute) exacerbation	10	Diagnosis
J45.52	Severe persistent asthma with status asthmaticus	10	Diagnosis
J45.901	Unspecified asthma with (acute) exacerbation	10	Diagnosis
J45.902	Unspecified asthma with status asthmaticus	10	Diagnosis
J45.909	Unspecified asthma, uncomplicated	10	Diagnosis
J45.990	Exercise induced bronchospasm	10	Diagnosis
J45.991	Cough variant asthma	10	Diagnosis
J45.998	Other asthma	10	Diagnosis
<b>Cardiac Valvular Disease</b>			
394.0	Mitral stenosis	09	Diagnosis
394.1	Rheumatic mitral insufficiency	09	Diagnosis
394.2	Mitral stenosis with insufficiency	09	Diagnosis
394.9	Other and unspecified mitral valve diseases	09	Diagnosis
395.0	Rheumatic aortic stenosis	09	Diagnosis
395.1	Rheumatic aortic insufficiency	09	Diagnosis
395.2	Rheumatic aortic stenosis with insufficiency	09	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
395.9	Other and unspecified rheumatic aortic diseases	09	Diagnosis
396.0	Mitral valve stenosis and aortic valve stenosis	09	Diagnosis
396.1	Mitral valve stenosis and aortic valve insufficiency	09	Diagnosis
396.2	Mitral valve insufficiency and aortic valve stenosis	09	Diagnosis
396.3	Mitral valve insufficiency and aortic valve insufficiency	09	Diagnosis
396.8	Multiple involvement of mitral and aortic valves	09	Diagnosis
396.9	Unspecified mitral and aortic valve diseases	09	Diagnosis
397.0	Diseases of tricuspid valve	09	Diagnosis
397.1	Rheumatic diseases of pulmonary valve	09	Diagnosis
397.9	Rheumatic diseases of endocardium, valve unspecified	09	Diagnosis
424.0	Mitral valve disorders	09	Diagnosis
424.1	Aortic valve disorders	09	Diagnosis
424.2	Tricuspid valve disorders, specified as nonrheumatic	09	Diagnosis
424.3	Pulmonary valve disorders	09	Diagnosis
424.9	Endocarditis, valve unspecified	09	Diagnosis
424.90	Endocarditis, valve unspecified, unspecified cause	09	Diagnosis
424.91	Endocarditis in diseases classified elsewhere	09	Diagnosis
424.99	Other endocarditis, valve unspecified	09	Diagnosis
A18.84	Tuberculosis of heart	10	Diagnosis
I05.0	Rheumatic mitral stenosis	10	Diagnosis
I05.1	Rheumatic mitral insufficiency	10	Diagnosis
I05.2	Rheumatic mitral stenosis with insufficiency	10	Diagnosis
I05.8	Other rheumatic mitral valve diseases	10	Diagnosis
I05.9	Rheumatic mitral valve disease, unspecified	10	Diagnosis
I06.0	Rheumatic aortic stenosis	10	Diagnosis
I06.1	Rheumatic aortic insufficiency	10	Diagnosis
I06.2	Rheumatic aortic stenosis with insufficiency	10	Diagnosis
I06.8	Other rheumatic aortic valve diseases	10	Diagnosis
I06.9	Rheumatic aortic valve disease, unspecified	10	Diagnosis
I07.0	Rheumatic tricuspid stenosis	10	Diagnosis
I07.1	Rheumatic tricuspid insufficiency	10	Diagnosis
I07.2	Rheumatic tricuspid stenosis and insufficiency	10	Diagnosis
I07.8	Other rheumatic tricuspid valve diseases	10	Diagnosis
I07.9	Rheumatic tricuspid valve disease, unspecified	10	Diagnosis
I08.0	Rheumatic disorders of both mitral and aortic valves	10	Diagnosis
I08.1	Rheumatic disorders of both mitral and tricuspid valves	10	Diagnosis
I08.2	Rheumatic disorders of both aortic and tricuspid valves	10	Diagnosis
I08.3	Combined rheumatic disorders of mitral, aortic and tricuspid valves	10	Diagnosis
I08.8	Other rheumatic multiple valve diseases	10	Diagnosis
I08.9	Rheumatic multiple valve disease, unspecified	10	Diagnosis
I09.1	Rheumatic diseases of endocardium, valve unspecified	10	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
I09.89	Other specified rheumatic heart diseases	10	Diagnosis
I34.0	Nonrheumatic mitral (valve) insufficiency	10	Diagnosis
I34.1	Nonrheumatic mitral (valve) prolapse	10	Diagnosis
I34.2	Nonrheumatic mitral (valve) stenosis	10	Diagnosis
I34.8	Other nonrheumatic mitral valve disorders	10	Diagnosis
I34.9	Nonrheumatic mitral valve disorder, unspecified	10	Diagnosis
I35.0	Nonrheumatic aortic (valve) stenosis	10	Diagnosis
I35.1	Nonrheumatic aortic (valve) insufficiency	10	Diagnosis
I35.2	Nonrheumatic aortic (valve) stenosis with insufficiency	10	Diagnosis
I35.8	Other nonrheumatic aortic valve disorders	10	Diagnosis
I35.9	Nonrheumatic aortic valve disorder, unspecified	10	Diagnosis
I36.0	Nonrheumatic tricuspid (valve) stenosis	10	Diagnosis
I36.1	Nonrheumatic tricuspid (valve) insufficiency	10	Diagnosis
I36.2	Nonrheumatic tricuspid (valve) stenosis with insufficiency	10	Diagnosis
I36.8	Other nonrheumatic tricuspid valve disorders	10	Diagnosis
I36.9	Nonrheumatic tricuspid valve disorder, unspecified	10	Diagnosis
I37.0	Nonrheumatic pulmonary valve stenosis	10	Diagnosis
I37.1	Nonrheumatic pulmonary valve insufficiency	10	Diagnosis
I37.2	Nonrheumatic pulmonary valve stenosis with insufficiency	10	Diagnosis
I37.8	Other nonrheumatic pulmonary valve disorders	10	Diagnosis
I37.9	Nonrheumatic pulmonary valve disorder, unspecified	10	Diagnosis
I38	Endocarditis, valve unspecified	10	Diagnosis
I39	Endocarditis and heart valve disorders in diseases classified elsewhere	10	Diagnosis
M32.11	Endocarditis in systemic lupus erythematosus	10	Diagnosis
<b>Chronic Congestive Heart Failure</b>			
428.22	Chronic systolic heart failure	09	Diagnosis
428.23	Acute on chronic systolic heart failure	09	Diagnosis
428.32	Chronic diastolic heart failure	09	Diagnosis
428.33	Acute on chronic diastolic heart failure	09	Diagnosis
428.42	Chronic combined systolic and diastolic heart failure	09	Diagnosis
428.43	Acute on chronic combined systolic and diastolic heart failure	09	Diagnosis
I50.22	Chronic systolic (congestive) heart failure	10	Diagnosis
I50.23	Acute on chronic systolic (congestive) heart failure	10	Diagnosis
I50.32	Chronic diastolic (congestive) heart failure	10	Diagnosis
I50.33	Acute on chronic diastolic (congestive) heart failure	10	Diagnosis
I50.42	Chronic combined systolic (congestive) and diastolic (congestive) heart failure	10	Diagnosis
I50.43	Acute on chronic combined systolic (congestive) and diastolic (congestive) heart failure	10	Diagnosis
<b>Chronic Ischemic Heart Disease</b>			
413.0	Angina decubitus	09	Diagnosis
413.1	Prinzmetal angina	09	Diagnosis
413.9	Other and unspecified angina pectoris	09	Diagnosis



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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
414.0	Coronary atherosclerosis	09	Diagnosis
414.00	Coronary atherosclerosis of unspecified type of vessel, native or graft	09	Diagnosis
414.01	Coronary atherosclerosis of native coronary artery	09	Diagnosis
414.02	Coronary atherosclerosis of autologous vein bypass graft	09	Diagnosis
414.03	Coronary atherosclerosis of nonautologous biological bypass graft	09	Diagnosis
414.04	Coronary atherosclerosis of artery bypass graft	09	Diagnosis
414.05	Coronary atherosclerosis of unspecified type of bypass graft	09	Diagnosis
414.06	Coronary atherosclerosis, of native coronary artery of transplanted heart	09	Diagnosis
414.07	Coronary atherosclerosis, of bypass graft (artery) (vein) of transplanted heart	09	Diagnosis
414.1	Aneurysm and dissection of heart	09	Diagnosis
414.10	Aneurysm of heart	09	Diagnosis
414.11	Aneurysm of coronary vessels	09	Diagnosis
414.12	Dissection of coronary artery	09	Diagnosis
414.19	Other aneurysm of heart	09	Diagnosis
414.2	Chronic total occlusion of coronary artery	09	Diagnosis
414.3	Coronary atherosclerosis due to lipid rich plaque	09	Diagnosis
414.4	Coronary atherosclerosis due to calcified coronary lesion	09	Diagnosis
414.8	Other specified forms of chronic ischemic heart disease	09	Diagnosis
414.9	Unspecified chronic ischemic heart disease	09	Diagnosis
I20.1	Angina pectoris with documented spasm	10	Diagnosis
I20.8	Other forms of angina pectoris	10	Diagnosis
I20.9	Angina pectoris, unspecified	10	Diagnosis
I25.10	Atherosclerotic heart disease of native coronary artery without angina pectoris	10	Diagnosis
I25.110	Atherosclerotic heart disease of native coronary artery with unstable angina pectoris	10	Diagnosis
I25.111	Atherosclerotic heart disease of native coronary artery with angina pectoris with documented spasm	10	Diagnosis
I25.118	Atherosclerotic heart disease of native coronary artery with other forms of angina pectoris	10	Diagnosis
I25.119	Atherosclerotic heart disease of native coronary artery with unspecified angina pectoris	10	Diagnosis
I25.3	Aneurysm of heart	10	Diagnosis
I25.41	Coronary artery aneurysm	10	Diagnosis
I25.42	Coronary artery dissection	10	Diagnosis
I25.5	Ischemic cardiomyopathy	10	Diagnosis
I25.6	Silent myocardial ischemia	10	Diagnosis
I25.700	Atherosclerosis of coronary artery bypass graft(s), unspecified, with unstable angina pectoris	10	Diagnosis
I25.701	Atherosclerosis of coronary artery bypass graft(s), unspecified, with angina pectoris with documented spasm	10	Diagnosis
I25.708	Atherosclerosis of coronary artery bypass graft(s), unspecified, with other forms of angina pectoris	10	Diagnosis
I25.709	Atherosclerosis of coronary artery bypass graft(s), unspecified, with unspecified angina pectoris	10	Diagnosis



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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
I25.710	Atherosclerosis of autologous vein coronary artery bypass graft(s) with unstable angina pectoris	10	Diagnosis
I25.711	Atherosclerosis of autologous vein coronary artery bypass graft(s) with angina pectoris with documented spasm	10	Diagnosis
I25.718	Atherosclerosis of autologous vein coronary artery bypass graft(s) with other forms of angina pectoris	10	Diagnosis
I25.719	Atherosclerosis of autologous vein coronary artery bypass graft(s) with unspecified angina pectoris	10	Diagnosis
I25.720	Atherosclerosis of autologous artery coronary artery bypass graft(s) with unstable angina pectoris	10	Diagnosis
I25.721	Atherosclerosis of autologous artery coronary artery bypass graft(s) with angina pectoris with documented spasm	10	Diagnosis
I25.728	Atherosclerosis of autologous artery coronary artery bypass graft(s) with other forms of angina pectoris	10	Diagnosis
I25.729	Atherosclerosis of autologous artery coronary artery bypass graft(s) with unspecified angina pectoris	10	Diagnosis
I25.730	Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with unstable angina pectoris	10	Diagnosis
I25.731	Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with angina pectoris with documented spasm	10	Diagnosis
I25.738	Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with other forms of angina pectoris	10	Diagnosis
I25.739	Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with unspecified angina pectoris	10	Diagnosis
I25.750	Atherosclerosis of native coronary artery of transplanted heart with unstable angina	10	Diagnosis
I25.751	Atherosclerosis of native coronary artery of transplanted heart with angina pectoris with documented spasm	10	Diagnosis
I25.758	Atherosclerosis of native coronary artery of transplanted heart with other forms of angina pectoris	10	Diagnosis
I25.759	Atherosclerosis of native coronary artery of transplanted heart with unspecified angina pectoris	10	Diagnosis
I25.760	Atherosclerosis of bypass graft of coronary artery of transplanted heart with unstable angina	10	Diagnosis
I25.761	Atherosclerosis of bypass graft of coronary artery of transplanted heart with angina pectoris with documented spasm	10	Diagnosis
I25.768	Atherosclerosis of bypass graft of coronary artery of transplanted heart with other forms of angina pectoris	10	Diagnosis
I25.769	Atherosclerosis of bypass graft of coronary artery of transplanted heart with unspecified angina pectoris	10	Diagnosis
I25.790	Atherosclerosis of other coronary artery bypass graft(s) with unstable angina pectoris	10	Diagnosis
I25.791	Atherosclerosis of other coronary artery bypass graft(s) with angina pectoris with documented spasm	10	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
I25.798	Atherosclerosis of other coronary artery bypass graft(s) with other forms of angina pectoris	10	Diagnosis
I25.799	Atherosclerosis of other coronary artery bypass graft(s) with unspecified angina pectoris	10	Diagnosis
I25.810	Atherosclerosis of coronary artery bypass graft(s) without angina pectoris	10	Diagnosis
I25.811	Atherosclerosis of native coronary artery of transplanted heart without angina pectoris	10	Diagnosis
I25.812	Atherosclerosis of bypass graft of coronary artery of transplanted heart without angina pectoris	10	Diagnosis
I25.82	Chronic total occlusion of coronary artery	10	Diagnosis
I25.83	Coronary atherosclerosis due to lipid rich plaque	10	Diagnosis
I25.84	Coronary atherosclerosis due to calcified coronary lesion	10	Diagnosis
I25.89	Other forms of chronic ischemic heart disease	10	Diagnosis
I25.9	Chronic ischemic heart disease, unspecified	10	Diagnosis
<b>Chronic Renal Disease</b>			
581.0	Nephrotic syndrome with lesion of proliferative glomerulonephritis	09	Diagnosis
581.1	Nephrotic syndrome with lesion of membranous glomerulonephritis	09	Diagnosis
581.2	Nephrotic syndrome with lesion of membranoproliferative glomerulonephritis	09	Diagnosis
581.3	Nephrotic syndrome with lesion of minimal change glomerulonephritis	09	Diagnosis
581.8	Nephrotic syndrome with other specified pathological lesion in kidney	09	Diagnosis
581.81	Nephrotic syndrome with other specified pathological lesion in kidney in diseases classified elsewhere	09	Diagnosis
581.89	Other nephrotic syndrome with specified pathological lesion in kidney	09	Diagnosis
581.9	Nephrotic syndrome with unspecified pathological lesion in kidney	09	Diagnosis
582.0	Chronic glomerulonephritis with lesion of proliferative glomerulonephritis	09	Diagnosis
582.1	Chronic glomerulonephritis with lesion of membranous glomerulonephritis	09	Diagnosis
582.2	Chronic glomerulonephritis with lesion of membranoproliferative glomerulonephritis	09	Diagnosis
582.4	Chronic glomerulonephritis with lesion of rapidly progressive glomerulonephritis	09	Diagnosis
582.8	Chronic glomerulonephritis with other specified pathological lesion in kidney	09	Diagnosis
582.81	Chronic glomerulonephritis with other specified pathological lesion in kidney in diseases classified elsewhere	09	Diagnosis
582.89	Other chronic glomerulonephritis with specified pathological lesion in kidney	09	Diagnosis
582.9	Chronic glomerulonephritis with unspecified pathological lesion in kidney	09	Diagnosis
583.0	Nephritis and nephropathy, not specified as acute or chronic, with lesion of proliferative glomerulonephritis	09	Diagnosis
583.1	Nephritis and nephropathy, not specified as acute or chronic, with lesion of membranous glomerulonephritis	09	Diagnosis
583.2	Nephritis and nephropathy, not specified as acute or chronic, with lesion of membranoproliferative glomerulonephritis	09	Diagnosis
583.4	Nephritis and nephropathy, not specified as acute or chronic, with lesion of rapidly progressive glomerulonephritis	09	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
583.6	Nephritis and nephropathy, not specified as acute or chronic, with lesion of renal cortical necrosis	09	Diagnosis
583.7	Nephritis and nephropathy, not specified as acute or chronic, with lesion of renal medullary necrosis	09	Diagnosis
583.8	Nephritis and nephropathy, not specified as acute or chronic, with other specified pathological lesion in kidney	09	Diagnosis
583.81	Nephritis and nephropathy, not specified as acute or chronic, with other specified pathological lesion in kidney, in diseases classified elsewhere	09	Diagnosis
583.89	Other nephritis and nephropathy, not specified as acute or chronic, with specified pathological lesion in kidney	09	Diagnosis
583.9	Nephritis and nephropathy, not specified as acute or chronic, with unspecified pathological lesion in kidney	09	Diagnosis
585.1	Chronic kidney disease, Stage I	09	Diagnosis
585.2	Chronic kidney disease, Stage II (mild)	09	Diagnosis
585.3	Chronic kidney disease, Stage III (moderate)	09	Diagnosis
585.4	Chronic kidney disease, Stage IV (severe)	09	Diagnosis
585.5	Chronic kidney disease, Stage V	09	Diagnosis
585.6	End stage renal disease	09	Diagnosis
585.9	Chronic kidney disease, unspecified	09	Diagnosis
587	Unspecified renal sclerosis	09	Diagnosis
588.0	Renal osteodystrophy	09	Diagnosis
588.1	Nephrogenic diabetes insipidus	09	Diagnosis
588.8	Other specified disorder resulting from impaired renal function	09	Diagnosis
588.81	Secondary hyperparathyroidism (of renal origin)	09	Diagnosis
588.89	Other specified disorders resulting from impaired renal function	09	Diagnosis
588.9	Unspecified disorder resulting from impaired renal function	09	Diagnosis
646.2	Unspecified renal disease in pregnancy, without mention of hypertension	09	Diagnosis
646.20	Unspecified renal disease in pregnancy, unspecified as to episode of care	09	Diagnosis
646.21	Unspecified renal disease in pregnancy, with delivery	09	Diagnosis
646.22	Unspecified renal disease in pregnancy, with delivery, with current postpartum complication	09	Diagnosis
646.23	Unspecified antepartum renal disease	09	Diagnosis
646.24	Unspecified renal disease in pregnancy, without mention of hypertension, postpartum condition or complication	09	Diagnosis
B52.0	Plasmodium malariae malaria with nephropathy	10	Diagnosis
E08.21	Diabetes mellitus due to underlying condition with diabetic nephropathy	10	Diagnosis
E08.22	Diabetes mellitus due to underlying condition with diabetic chronic kidney disease	10	Diagnosis
E08.29	Diabetes mellitus due to underlying condition with other diabetic kidney complication	10	Diagnosis
E09.21	Drug or chemical induced diabetes mellitus with diabetic nephropathy	10	Diagnosis
E09.22	Drug or chemical induced diabetes mellitus with diabetic chronic kidney disease	10	Diagnosis
E09.29	Drug or chemical induced diabetes mellitus with other diabetic kidney complication	10	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
M32.14	Glomerular disease in systemic lupus erythematosus	10	Diagnosis
M32.15	Tubulo-interstitial nephropathy in systemic lupus erythematosus	10	Diagnosis
M35.04	Sicca syndrome with tubulo-interstitial nephropathy	10	Diagnosis
N02.0	Recurrent and persistent hematuria with minor glomerular abnormality	10	Diagnosis
N02.1	Recurrent and persistent hematuria with focal and segmental glomerular lesions	10	Diagnosis
N02.2	Recurrent and persistent hematuria with diffuse membranous glomerulonephritis	10	Diagnosis
N02.3	Recurrent and persistent hematuria with diffuse mesangial proliferative glomerulonephritis	10	Diagnosis
N02.4	Recurrent and persistent hematuria with diffuse endocapillary proliferative glomerulonephritis	10	Diagnosis
N02.5	Recurrent and persistent hematuria with diffuse mesangiocapillary glomerulonephritis	10	Diagnosis
N02.6	Recurrent and persistent hematuria with dense deposit disease	10	Diagnosis
N02.7	Recurrent and persistent hematuria with diffuse crescentic glomerulonephritis	10	Diagnosis
N02.8	Recurrent and persistent hematuria with other morphologic changes	10	Diagnosis
N02.9	Recurrent and persistent hematuria with unspecified morphologic changes	10	Diagnosis
N03.0	Chronic nephritic syndrome with minor glomerular abnormality	10	Diagnosis
N03.1	Chronic nephritic syndrome with focal and segmental glomerular lesions	10	Diagnosis
N03.2	Chronic nephritic syndrome with diffuse membranous glomerulonephritis	10	Diagnosis
N03.3	Chronic nephritic syndrome with diffuse mesangial proliferative glomerulonephritis	10	Diagnosis
N03.4	Chronic nephritic syndrome with diffuse endocapillary proliferative glomerulonephritis	10	Diagnosis
N03.5	Chronic nephritic syndrome with diffuse mesangiocapillary glomerulonephritis	10	Diagnosis
N03.6	Chronic nephritic syndrome with dense deposit disease	10	Diagnosis
N03.7	Chronic nephritic syndrome with diffuse crescentic glomerulonephritis	10	Diagnosis
N03.8	Chronic nephritic syndrome with other morphologic changes	10	Diagnosis
N03.9	Chronic nephritic syndrome with unspecified morphologic changes	10	Diagnosis
N04.0	Nephrotic syndrome with minor glomerular abnormality	10	Diagnosis
N04.1	Nephrotic syndrome with focal and segmental glomerular lesions	10	Diagnosis
N04.2	Nephrotic syndrome with diffuse membranous glomerulonephritis	10	Diagnosis
N04.3	Nephrotic syndrome with diffuse mesangial proliferative glomerulonephritis	10	Diagnosis
N04.4	Nephrotic syndrome with diffuse endocapillary proliferative glomerulonephritis	10	Diagnosis
N04.5	Nephrotic syndrome with diffuse mesangiocapillary glomerulonephritis	10	Diagnosis
N04.6	Nephrotic syndrome with dense deposit disease	10	Diagnosis
N04.7	Nephrotic syndrome with diffuse crescentic glomerulonephritis	10	Diagnosis
N04.8	Nephrotic syndrome with other morphologic changes	10	Diagnosis
N04.9	Nephrotic syndrome with unspecified morphologic changes	10	Diagnosis
N05.0	Unspecified nephritic syndrome with minor glomerular abnormality	10	Diagnosis
N05.1	Unspecified nephritic syndrome with focal and segmental glomerular lesions	10	Diagnosis
N05.2	Unspecified nephritic syndrome with diffuse membranous glomerulonephritis	10	Diagnosis
N05.3	Unspecified nephritic syndrome with diffuse mesangial proliferative glomerulonephritis	10	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
N05.4	Unspecified nephritic syndrome with diffuse endocapillary proliferative glomerulonephritis	10	Diagnosis
N05.5	Unspecified nephritic syndrome with diffuse mesangiocapillary glomerulonephritis	10	Diagnosis
N05.6	Unspecified nephritic syndrome with dense deposit disease	10	Diagnosis
N05.7	Unspecified nephritic syndrome with diffuse crescentic glomerulonephritis	10	Diagnosis
N05.8	Unspecified nephritic syndrome with other morphologic changes	10	Diagnosis
N05.9	Unspecified nephritic syndrome with unspecified morphologic changes	10	Diagnosis
N06.0	Isolated proteinuria with minor glomerular abnormality	10	Diagnosis
N06.1	Isolated proteinuria with focal and segmental glomerular lesions	10	Diagnosis
N06.2	Isolated proteinuria with diffuse membranous glomerulonephritis	10	Diagnosis
N06.3	Isolated proteinuria with diffuse mesangial proliferative glomerulonephritis	10	Diagnosis
N06.4	Isolated proteinuria with diffuse endocapillary proliferative glomerulonephritis	10	Diagnosis
N06.5	Isolated proteinuria with diffuse mesangiocapillary glomerulonephritis	10	Diagnosis
N06.6	Isolated proteinuria with dense deposit disease	10	Diagnosis
N06.7	Isolated proteinuria with diffuse crescentic glomerulonephritis	10	Diagnosis
N06.8	Isolated proteinuria with other morphologic lesion	10	Diagnosis
N06.9	Isolated proteinuria with unspecified morphologic lesion	10	Diagnosis
N07.0	Hereditary nephropathy, not elsewhere classified with minor glomerular abnormality	10	Diagnosis
N07.1	Hereditary nephropathy, not elsewhere classified with focal and segmental glomerular lesions	10	Diagnosis
N07.2	Hereditary nephropathy, not elsewhere classified with diffuse membranous glomerulonephritis	10	Diagnosis
N07.3	Hereditary nephropathy, not elsewhere classified with diffuse mesangial proliferative glomerulonephritis	10	Diagnosis
N07.4	Hereditary nephropathy, not elsewhere classified with diffuse endocapillary proliferative glomerulonephritis	10	Diagnosis
N07.5	Hereditary nephropathy, not elsewhere classified with diffuse mesangiocapillary glomerulonephritis	10	Diagnosis
N07.6	Hereditary nephropathy, not elsewhere classified with dense deposit disease	10	Diagnosis
N07.7	Hereditary nephropathy, not elsewhere classified with diffuse crescentic glomerulonephritis	10	Diagnosis
N07.8	Hereditary nephropathy, not elsewhere classified with other morphologic lesions	10	Diagnosis
N07.9	Hereditary nephropathy, not elsewhere classified with unspecified morphologic lesions	10	Diagnosis
N08	Glomerular disorders in diseases classified elsewhere	10	Diagnosis
N14.0	Analgesic nephropathy	10	Diagnosis
N14.1	Nephropathy induced by other drugs, medicaments and biological substances	10	Diagnosis
N14.2	Nephropathy induced by unspecified drug, medicament or biological substance	10	Diagnosis
N14.3	Nephropathy induced by heavy metals	10	Diagnosis
N14.4	Toxic nephropathy, not elsewhere classified	10	Diagnosis
N15.0	Balkan nephropathy	10	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
N15.8	Other specified renal tubulo-interstitial diseases	10	Diagnosis
N15.9	Renal tubulo-interstitial disease, unspecified	10	Diagnosis
N16	Renal tubulo-interstitial disorders in diseases classified elsewhere	10	Diagnosis
N17.1	Acute kidney failure with acute cortical necrosis	10	Diagnosis
N17.2	Acute kidney failure with medullary necrosis	10	Diagnosis
N18.1	Chronic kidney disease, stage 1	10	Diagnosis
N18.2	Chronic kidney disease, stage 2 (mild)	10	Diagnosis
N18.3	Chronic kidney disease, stage 3 (moderate)	10	Diagnosis
N18.4	Chronic kidney disease, stage 4 (severe)	10	Diagnosis
N18.5	Chronic kidney disease, stage 5	10	Diagnosis
N18.6	End stage renal disease	10	Diagnosis
N18.9	Chronic kidney disease, unspecified	10	Diagnosis
N25.0	Renal osteodystrophy	10	Diagnosis
N25.1	Nephrogenic diabetes insipidus	10	Diagnosis
N25.81	Secondary hyperparathyroidism of renal origin	10	Diagnosis
N25.89	Other disorders resulting from impaired renal tubular function	10	Diagnosis
N25.9	Disorder resulting from impaired renal tubular function, unspecified	10	Diagnosis
N26.1	Atrophy of kidney (terminal)	10	Diagnosis
N26.9	Renal sclerosis, unspecified	10	Diagnosis
O10.211	Pre-existing hypertensive chronic kidney disease complicating pregnancy, first trimester	10	Diagnosis
O10.212	Pre-existing hypertensive chronic kidney disease complicating pregnancy, second trimester	10	Diagnosis
O10.213	Pre-existing hypertensive chronic kidney disease complicating pregnancy, third trimester	10	Diagnosis
O10.219	Pre-existing hypertensive chronic kidney disease complicating pregnancy, unspecified trimester	10	Diagnosis
O10.22	Pre-existing hypertensive chronic kidney disease complicating childbirth	10	Diagnosis
O10.23	Pre-existing hypertensive chronic kidney disease complicating the puerperium	10	Diagnosis
O10.311	Pre-existing hypertensive heart and chronic kidney disease complicating pregnancy, first trimester	10	Diagnosis
O10.312	Pre-existing hypertensive heart and chronic kidney disease complicating pregnancy, second trimester	10	Diagnosis
O10.313	Pre-existing hypertensive heart and chronic kidney disease complicating pregnancy, third trimester	10	Diagnosis
O10.319	Pre-existing hypertensive heart and chronic kidney disease complicating pregnancy, unspecified trimester	10	Diagnosis
O10.32	Pre-existing hypertensive heart and chronic kidney disease complicating childbirth	10	Diagnosis
O10.33	Pre-existing hypertensive heart and chronic kidney disease complicating the puerperium	10	Diagnosis
O12.10	Gestational proteinuria, unspecified trimester	10	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
O12.11	Gestational proteinuria, first trimester	10	Diagnosis
O12.12	Gestational proteinuria, second trimester	10	Diagnosis
O12.13	Gestational proteinuria, third trimester	10	Diagnosis
O12.14	Gestational proteinuria, complicating childbirth	10	Diagnosis
O12.15	Gestational proteinuria, complicating the puerperium	10	Diagnosis
O12.20	Gestational edema with proteinuria, unspecified trimester	10	Diagnosis
O12.21	Gestational edema with proteinuria, first trimester	10	Diagnosis
O12.22	Gestational edema with proteinuria, second trimester	10	Diagnosis
O12.23	Gestational edema with proteinuria, third trimester	10	Diagnosis
O12.24	Gestational edema with proteinuria, complicating childbirth	10	Diagnosis
O12.25	Gestational edema with proteinuria, complicating the puerperium	10	Diagnosis
O26.831	Pregnancy related renal disease, first trimester	10	Diagnosis
O26.832	Pregnancy related renal disease, second trimester	10	Diagnosis
O26.833	Pregnancy related renal disease, third trimester	10	Diagnosis
O26.839	Pregnancy related renal disease, unspecified trimester	10	Diagnosis
<b>End Stage Liver Disease</b>			
070.20	Viral hepatitis B with hepatic coma, acute or unspecified, without mention of hepatitis delta	09	Diagnosis
070.21	Viral hepatitis B with hepatic coma, acute or unspecified, with hepatitis delta	09	Diagnosis
070.22	Viral hepatitis B with hepatic coma, chronic, without mention of hepatitis delta	09	Diagnosis
070.23	Viral hepatitis B with hepatic coma, chronic, with hepatitis delta	09	Diagnosis
070.30	Viral hepatitis B without mention of hepatic coma, acute or unspecified, without mention of hepatitis delta	09	Diagnosis
070.31	Viral hepatitis B without mention of hepatic coma, acute or unspecified, with hepatitis delta	09	Diagnosis
070.32	Viral hepatitis B without mention of hepatic coma, chronic, without mention of hepatitis delta	09	Diagnosis
070.33	Viral hepatitis B without mention of hepatic coma, chronic, with hepatitis delta	09	Diagnosis
070.4	Other specified viral hepatitis with hepatic coma	09	Diagnosis
070.41	Acute hepatitis C with hepatic coma	09	Diagnosis
070.42	Hepatitis delta without mention of active hepatitis B disease with hepatic coma	09	Diagnosis
070.44	Chronic hepatitis C with hepatic coma	09	Diagnosis
070.49	Other specified viral hepatitis with hepatic coma	09	Diagnosis
070.51	Acute hepatitis C without mention of hepatic coma	09	Diagnosis
070.52	Hepatitis delta without mention of active hepatitis B disease or hepatic coma	09	Diagnosis
070.54	Chronic hepatitis C without mention of hepatic coma	09	Diagnosis
070.59	Other specified viral hepatitis without mention of hepatic coma	09	Diagnosis
070.6	Unspecified viral hepatitis with hepatic coma	09	Diagnosis
070.70	Unspecified viral hepatitis C without hepatic coma	09	Diagnosis
070.71	Unspecified viral hepatitis C with hepatic coma	09	Diagnosis
070.9	Unspecified viral hepatitis without mention of hepatic coma	09	Diagnosis



**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
273.4	Alpha-1-antitrypsin deficiency	09	Diagnosis
275.0	Disorders of iron metabolism	09	Diagnosis
275.1	Disorders of copper metabolism	09	Diagnosis
453.0	Budd-Chiari syndrome	09	Diagnosis
456.0	Esophageal varices with bleeding	09	Diagnosis
456.1	Esophageal varices without mention of bleeding	09	Diagnosis
456.20	Esophageal varices with bleeding in diseases classified elsewhere	09	Diagnosis
456.21	Esophageal varices without mention of bleeding in diseases classified elsewhere	09	Diagnosis
567.0	Peritonitis in infectious diseases classified elsewhere	09	Diagnosis
567.2	Other suppurative peritonitis	09	Diagnosis
567.21	Peritonitis (acute) generalized	09	Diagnosis
567.29	Other suppurative peritonitis	09	Diagnosis
567.8	Other specified peritonitis	09	Diagnosis
567.89	Other specified peritonitis	09	Diagnosis
567.9	Unspecified peritonitis	09	Diagnosis
571.0	Alcoholic fatty liver	09	Diagnosis
571.1	Acute alcoholic hepatitis	09	Diagnosis
571.2	Alcoholic cirrhosis of liver	09	Diagnosis
571.40	Unspecified chronic hepatitis	09	Diagnosis
571.41	Chronic persistent hepatitis	09	Diagnosis
571.42	Autoimmune hepatitis	09	Diagnosis
571.5	Cirrhosis of liver without mention of alcohol	09	Diagnosis
571.6	Biliary cirrhosis	09	Diagnosis
571.8	Other chronic nonalcoholic liver disease	09	Diagnosis
571.9	Unspecified chronic liver disease without mention of alcohol	09	Diagnosis
572.2	Hepatic encephalopathy	09	Diagnosis
572.4	Hepatorenal syndrome	09	Diagnosis
573.0	Chronic passive congestion of liver	09	Diagnosis
573.1	Hepatitis in viral diseases classified elsewhere	09	Diagnosis
573.3	Unspecified hepatitis	09	Diagnosis
573.8	Other specified disorders of liver	09	Diagnosis
573.9	Unspecified disorder of liver	09	Diagnosis
576.1	Cholangitis	09	Diagnosis
789.51	Malignant ascites	09	Diagnosis
789.59	Other ascites	09	Diagnosis
B16.0	Acute hepatitis B with delta-agent with hepatic coma	10	Diagnosis
B16.1	Acute hepatitis B with delta-agent without hepatic coma	10	Diagnosis
B16.2	Acute hepatitis B without delta-agent with hepatic coma	10	Diagnosis
B16.9	Acute hepatitis B without delta-agent and without hepatic coma	10	Diagnosis
B17.0	Acute delta-(super) infection of hepatitis B carrier	10	Diagnosis
B17.10	Acute hepatitis C without hepatic coma	10	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
B17.11	Acute hepatitis C with hepatic coma	10	Diagnosis
B17.8	Other specified acute viral hepatitis	10	Diagnosis
B17.9	Acute viral hepatitis, unspecified	10	Diagnosis
B18.0	Chronic viral hepatitis B with delta-agent	10	Diagnosis
B18.1	Chronic viral hepatitis B without delta-agent	10	Diagnosis
B18.2	Chronic viral hepatitis C	10	Diagnosis
B18.8	Other chronic viral hepatitis	10	Diagnosis
B18.9	Chronic viral hepatitis, unspecified	10	Diagnosis
B19.0	Unspecified viral hepatitis with hepatic coma	10	Diagnosis
B19.10	Unspecified viral hepatitis B without hepatic coma	10	Diagnosis
B19.11	Unspecified viral hepatitis B with hepatic coma	10	Diagnosis
B19.20	Unspecified viral hepatitis C without hepatic coma	10	Diagnosis
B19.21	Unspecified viral hepatitis C with hepatic coma	10	Diagnosis
B19.9	Unspecified viral hepatitis without hepatic coma	10	Diagnosis
B25.1	Cytomegaloviral hepatitis	10	Diagnosis
E83.00	Disorder of copper metabolism, unspecified	10	Diagnosis
E83.01	Wilson's disease	10	Diagnosis
E83.09	Other disorders of copper metabolism	10	Diagnosis
E88.01	Alpha-1-antitrypsin deficiency	10	Diagnosis
I82.0	Budd-Chiari syndrome	10	Diagnosis
I85.00	Esophageal varices without bleeding	10	Diagnosis
I85.01	Esophageal varices with bleeding	10	Diagnosis
I85.10	Secondary esophageal varices without bleeding	10	Diagnosis
I85.11	Secondary esophageal varices with bleeding	10	Diagnosis
K65.0	Generalized (acute) peritonitis	10	Diagnosis
K65.8	Other peritonitis	10	Diagnosis
K65.9	Peritonitis, unspecified	10	Diagnosis
K67	Disorders of peritoneum in infectious diseases classified elsewhere	10	Diagnosis
K70.0	Alcoholic fatty liver	10	Diagnosis
K70.10	Alcoholic hepatitis without ascites	10	Diagnosis
K70.11	Alcoholic hepatitis with ascites	10	Diagnosis
K70.2	Alcoholic fibrosis and sclerosis of liver	10	Diagnosis
K70.30	Alcoholic cirrhosis of liver without ascites	10	Diagnosis
K70.31	Alcoholic cirrhosis of liver with ascites	10	Diagnosis
K70.41	Alcoholic hepatic failure with coma	10	Diagnosis
K71.0	Toxic liver disease with cholestasis	10	Diagnosis
K71.10	Toxic liver disease with hepatic necrosis, without coma	10	Diagnosis
K71.11	Toxic liver disease with hepatic necrosis, with coma	10	Diagnosis
K71.2	Toxic liver disease with acute hepatitis	10	Diagnosis
K71.3	Toxic liver disease with chronic persistent hepatitis	10	Diagnosis
K71.4	Toxic liver disease with chronic lobular hepatitis	10	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
K71.50	Toxic liver disease with chronic active hepatitis without ascites	10	Diagnosis
K71.51	Toxic liver disease with chronic active hepatitis with ascites	10	Diagnosis
K71.6	Toxic liver disease with hepatitis, not elsewhere classified	10	Diagnosis
K71.7	Toxic liver disease with fibrosis and cirrhosis of liver	10	Diagnosis
K71.8	Toxic liver disease with other disorders of liver	10	Diagnosis
K71.9	Toxic liver disease, unspecified	10	Diagnosis
K72.01	Acute and subacute hepatic failure with coma	10	Diagnosis
K72.11	Chronic hepatic failure with coma	10	Diagnosis
K72.90	Hepatic failure, unspecified without coma	10	Diagnosis
K72.91	Hepatic failure, unspecified with coma	10	Diagnosis
K73.0	Chronic persistent hepatitis, not elsewhere classified	10	Diagnosis
K73.9	Chronic hepatitis, unspecified	10	Diagnosis
K74.0	Hepatic fibrosis	10	Diagnosis
K74.1	Hepatic sclerosis	10	Diagnosis
K74.2	Hepatic fibrosis with hepatic sclerosis	10	Diagnosis
K74.3	Primary biliary cirrhosis	10	Diagnosis
K74.4	Secondary biliary cirrhosis	10	Diagnosis
K74.5	Biliary cirrhosis, unspecified	10	Diagnosis
K74.60	Unspecified cirrhosis of liver	10	Diagnosis
K74.69	Other cirrhosis of liver	10	Diagnosis
K75.2	Nonspecific reactive hepatitis	10	Diagnosis
K75.3	Granulomatous hepatitis, not elsewhere classified	10	Diagnosis
K75.4	Autoimmune hepatitis	10	Diagnosis
K75.81	Nonalcoholic steatohepatitis (NASH)	10	Diagnosis
K75.89	Other specified inflammatory liver diseases	10	Diagnosis
K75.9	Inflammatory liver disease, unspecified	10	Diagnosis
K76.0	Fatty (change of) liver, not elsewhere classified	10	Diagnosis
K76.1	Chronic passive congestion of liver	10	Diagnosis
K76.4	Peliosis hepatis	10	Diagnosis
K76.5	Hepatic veno-occlusive disease	10	Diagnosis
K76.7	Hepatorenal syndrome	10	Diagnosis
K76.89	Other specified diseases of liver	10	Diagnosis
K76.9	Liver disease, unspecified	10	Diagnosis
K77	Liver disorders in diseases classified elsewhere	10	Diagnosis
K80.30	Calculus of bile duct with cholangitis, unspecified, without obstruction	10	Diagnosis
K80.31	Calculus of bile duct with cholangitis, unspecified, with obstruction	10	Diagnosis
K80.32	Calculus of bile duct with acute cholangitis without obstruction	10	Diagnosis
K80.33	Calculus of bile duct with acute cholangitis with obstruction	10	Diagnosis
K80.34	Calculus of bile duct with chronic cholangitis without obstruction	10	Diagnosis
K80.35	Calculus of bile duct with chronic cholangitis with obstruction	10	Diagnosis
K80.36	Calculus of bile duct with acute and chronic cholangitis without obstruction	10	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
K80.37	Calculus of bile duct with acute and chronic cholangitis with obstruction	10	Diagnosis
K83.0	Cholangitis	10	Diagnosis
R18.0	Malignant ascites	10	Diagnosis
R18.8	Other ascites	10	Diagnosis
<b>Congenital Heart Disease</b>			
648.5	Maternal congenital cardiovascular disorders complicating pregnancy, childbirth, or the puerperium	09	Diagnosis
648.50	Maternal congenital cardiovascular disorders, complicating pregnancy, childbirth, or the puerperium, unspecified as to episode of care	09	Diagnosis
648.51	Maternal congenital cardiovascular disorders, with delivery	09	Diagnosis
648.52	Maternal congenital cardiovascular disorders, with delivery, with current postpartum complication	09	Diagnosis
648.53	Maternal congenital cardiovascular disorders, antepartum	09	Diagnosis
648.54	Maternal congenital cardiovascular disorders complicating pregnancy, childbirth, or the puerperium, postpartum condition or complication	09	Diagnosis
745.0	Bulbus cordis anomalies and anomalies of cardiac septal closure, common truncus	09	Diagnosis
745.1	Transposition of great vessels	09	Diagnosis
745.10	Complete transposition of great vessels	09	Diagnosis
745.11	Transposition of great vessels, double outlet right ventricle	09	Diagnosis
745.12	Corrected transposition of great vessels	09	Diagnosis
745.19	Other transposition of great vessels	09	Diagnosis
745.2	Tetralogy of Fallot	09	Diagnosis
745.3	Bulbus cordis anomalies and anomalies of cardiac septal closure, common ventricle	09	Diagnosis
745.4	Ventricular septal defect	09	Diagnosis
745.5	Ostium secundum type atrial septal defect	09	Diagnosis
745.6	Endocardial cushion defects	09	Diagnosis
745.60	Unspecified type congenital endocardial cushion defect	09	Diagnosis
745.61	Ostium primum defect	09	Diagnosis
745.69	Other congenital endocardial cushion defect	09	Diagnosis
745.7	Cor biloculare	09	Diagnosis
745.8	Other bulbus cordis anomalies and anomalies of cardiac septal closure	09	Diagnosis
745.9	Unspecified congenital defect of septal closure	09	Diagnosis
746.0	Congenital anomalies of pulmonary valve	09	Diagnosis
746.00	Unspecified congenital pulmonary valve anomaly	09	Diagnosis
746.01	Congenital atresia of pulmonary valve	09	Diagnosis
746.02	Congenital stenosis of pulmonary valve	09	Diagnosis
746.09	Other congenital anomalies of pulmonary valve	09	Diagnosis
746.1	Congenital tricuspid atresia and stenosis	09	Diagnosis
746.2	Ebstein's anomaly	09	Diagnosis
746.3	Congenital stenosis of aortic valve	09	Diagnosis
746.4	Congenital insufficiency of aortic valve	09	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
746.5	Congenital mitral stenosis	09	Diagnosis
746.6	Congenital mitral insufficiency	09	Diagnosis
746.7	Hypoplastic left heart syndrome	09	Diagnosis
746.8	Other specified congenital anomaly of heart	09	Diagnosis
746.81	Congenital subaortic stenosis	09	Diagnosis
746.82	Cor triatriatum	09	Diagnosis
746.83	Congenital infundibular pulmonic stenosis	09	Diagnosis
746.84	Congenital obstructive anomalies of heart, not elsewhere classified	09	Diagnosis
746.85	Congenital coronary artery anomaly	09	Diagnosis
746.86	Congenital heart block	09	Diagnosis
746.87	Congenital malposition of heart and cardiac apex	09	Diagnosis
746.89	Other specified congenital anomaly of heart	09	Diagnosis
746.9	Unspecified congenital anomaly of heart	09	Diagnosis
747.0	Patent ductus arteriosus	09	Diagnosis
747.1	Coarctation of aorta	09	Diagnosis
747.10	Coarctation of aorta (preductal) (postductal)	09	Diagnosis
747.11	Congenital interruption of aortic arch	09	Diagnosis
747.2	Other congenital anomaly of aorta	09	Diagnosis
747.20	Unspecified congenital anomaly of aorta	09	Diagnosis
747.21	Congenital anomaly of aortic arch	09	Diagnosis
747.22	Congenital atresia and stenosis of aorta	09	Diagnosis
747.29	Other congenital anomaly of aorta	09	Diagnosis
747.3	Anomalies of pulmonary artery	09	Diagnosis
747.31	Pulmonary artery coarctation and atresia	09	Diagnosis
747.32	Pulmonary arteriovenous malformation	09	Diagnosis
747.39	Other anomalies of pulmonary artery and pulmonary circulation	09	Diagnosis
747.4	Congenital anomalies of great veins	09	Diagnosis
747.40	Congenital anomaly of great veins unspecified	09	Diagnosis
747.41	Total congenital anomalous pulmonary venous connection	09	Diagnosis
747.42	Partial congenital anomalous pulmonary venous connection	09	Diagnosis
747.49	Other congenital anomalies of great veins	09	Diagnosis
I27.83	Eisenmenger's syndrome	10	Diagnosis
Q20.0	Common arterial trunk	10	Diagnosis
Q20.1	Double outlet right ventricle	10	Diagnosis
Q20.2	Double outlet left ventricle	10	Diagnosis
Q20.3	Discordant ventriculoarterial connection	10	Diagnosis
Q20.4	Double inlet ventricle	10	Diagnosis
Q20.5	Discordant atrioventricular connection	10	Diagnosis
Q20.6	Isomerism of atrial appendages	10	Diagnosis
Q20.8	Other congenital malformations of cardiac chambers and connections	10	Diagnosis
Q20.9	Congenital malformation of cardiac chambers and connections, unspecified	10	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
Q21.0	Ventricular septal defect	10	Diagnosis
Q21.1	Atrial septal defect	10	Diagnosis
Q21.2	Atrioventricular septal defect	10	Diagnosis
Q21.3	Tetralogy of Fallot	10	Diagnosis
Q21.4	Aortopulmonary septal defect	10	Diagnosis
Q21.8	Other congenital malformations of cardiac septa	10	Diagnosis
Q21.9	Congenital malformation of cardiac septum, unspecified	10	Diagnosis
Q22.0	Pulmonary valve atresia	10	Diagnosis
Q22.1	Congenital pulmonary valve stenosis	10	Diagnosis
Q22.2	Congenital pulmonary valve insufficiency	10	Diagnosis
Q22.3	Other congenital malformations of pulmonary valve	10	Diagnosis
Q22.4	Congenital tricuspid stenosis	10	Diagnosis
Q22.5	Ebstein's anomaly	10	Diagnosis
Q22.6	Hypoplastic right heart syndrome	10	Diagnosis
Q22.8	Other congenital malformations of tricuspid valve	10	Diagnosis
Q22.9	Congenital malformation of tricuspid valve, unspecified	10	Diagnosis
Q23.0	Congenital stenosis of aortic valve	10	Diagnosis
Q23.1	Congenital insufficiency of aortic valve	10	Diagnosis
Q23.2	Congenital mitral stenosis	10	Diagnosis
Q23.3	Congenital mitral insufficiency	10	Diagnosis
Q23.4	Hypoplastic left heart syndrome	10	Diagnosis
Q23.8	Other congenital malformations of aortic and mitral valves	10	Diagnosis
Q23.9	Congenital malformation of aortic and mitral valves, unspecified	10	Diagnosis
Q24.0	Dextrocardia	10	Diagnosis
Q24.1	Levocardia	10	Diagnosis
Q24.2	Cor triatriatum	10	Diagnosis
Q24.3	Pulmonary infundibular stenosis	10	Diagnosis
Q24.4	Congenital subaortic stenosis	10	Diagnosis
Q24.5	Malformation of coronary vessels	10	Diagnosis
Q24.6	Congenital heart block	10	Diagnosis
Q24.8	Other specified congenital malformations of heart	10	Diagnosis
Q24.9	Congenital malformation of heart, unspecified	10	Diagnosis
Q25.0	Patent ductus arteriosus	10	Diagnosis
Q25.1	Coarctation of aorta	10	Diagnosis
Q25.21	Interruption of aortic arch	10	Diagnosis
Q25.29	Other atresia of aorta	10	Diagnosis
Q25.3	Supravalvular aortic stenosis	10	Diagnosis
Q25.40	Congenital malformation of aorta unspecified	10	Diagnosis
Q25.41	Absence and aplasia of aorta	10	Diagnosis
Q25.42	Hypoplasia of aorta	10	Diagnosis
Q25.43	Congenital aneurysm of aorta	10	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
Q25.44	Congenital dilation of aorta	10	Diagnosis
Q25.45	Double aortic arch	10	Diagnosis
Q25.46	Tortuous aortic arch	10	Diagnosis
Q25.47	Right aortic arch	10	Diagnosis
Q25.48	Anomalous origin of subclavian artery	10	Diagnosis
Q25.49	Other congenital malformations of aorta	10	Diagnosis
Q25.5	Atresia of pulmonary artery	10	Diagnosis
Q25.6	Stenosis of pulmonary artery	10	Diagnosis
Q25.71	Coarctation of pulmonary artery	10	Diagnosis
Q25.72	Congenital pulmonary arteriovenous malformation	10	Diagnosis
Q25.79	Other congenital malformations of pulmonary artery	10	Diagnosis
Q25.8	Other congenital malformations of other great arteries	10	Diagnosis
Q25.9	Congenital malformation of great arteries, unspecified	10	Diagnosis
Q26.0	Congenital stenosis of vena cava	10	Diagnosis
Q26.1	Persistent left superior vena cava	10	Diagnosis
Q26.2	Total anomalous pulmonary venous connection	10	Diagnosis
Q26.3	Partial anomalous pulmonary venous connection	10	Diagnosis
Q26.4	Anomalous pulmonary venous connection, unspecified	10	Diagnosis
Q26.8	Other congenital malformations of great veins	10	Diagnosis
Q26.9	Congenital malformation of great vein, unspecified	10	Diagnosis
<b>Cystic Fibrosis</b>			
277.0	Cystic fibrosis	09	Diagnosis
277.00	Cystic fibrosis without mention of meconium ileus	09	Diagnosis
277.01	Cystic fibrosis with meconium ileus	09	Diagnosis
277.02	Cystic fibrosis with pulmonary manifestations	09	Diagnosis
277.03	Cystic fibrosis with gastrointestinal manifestations	09	Diagnosis
277.09	Cystic fibrosis with other manifestations	09	Diagnosis
E84.0	Cystic fibrosis with pulmonary manifestations	10	Diagnosis
E84.11	Meconium ileus in cystic fibrosis	10	Diagnosis
E84.19	Cystic fibrosis with other intestinal manifestations	10	Diagnosis
E84.8	Cystic fibrosis with other manifestations	10	Diagnosis
E84.9	Cystic fibrosis, unspecified	10	Diagnosis
<b>Drug Abuse</b>			
304.0	Opioid type dependence	09	Diagnosis
304.00	Opioid type dependence, unspecified	09	Diagnosis
304.01	Opioid type dependence, continuous	09	Diagnosis
304.02	Opioid type dependence, episodic	09	Diagnosis
304.03	Opioid type dependence, in remission	09	Diagnosis
304.1	Sedative, hypnotic or anxiolytic dependence	09	Diagnosis
304.10	Sedative, hypnotic or anxiolytic dependence, unspecified	09	Diagnosis
304.11	Sedative, hypnotic or anxiolytic dependence, continuous	09	Diagnosis



**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
304.12	Sedative, hypnotic or anxiolytic dependence, episodic	09	Diagnosis
304.13	Sedative, hypnotic or anxiolytic dependence, in remission	09	Diagnosis
304.2	Cocaine dependence	09	Diagnosis
304.20	Cocaine dependence, unspecified	09	Diagnosis
304.21	Cocaine dependence, continuous	09	Diagnosis
304.22	Cocaine dependence, episodic	09	Diagnosis
304.23	Cocaine dependence, in remission	09	Diagnosis
304.3	Cannabis dependence	09	Diagnosis
304.30	Cannabis dependence, unspecified	09	Diagnosis
304.31	Cannabis dependence, continuous	09	Diagnosis
304.32	Cannabis dependence, episodic	09	Diagnosis
304.33	Cannabis dependence, in remission	09	Diagnosis
304.4	Amphetamine and other psychostimulant dependence	09	Diagnosis
304.40	Amphetamine and other psychostimulant dependence, unspecified	09	Diagnosis
304.41	Amphetamine and other psychostimulant dependence, continuous	09	Diagnosis
304.42	Amphetamine and other psychostimulant dependence, episodic	09	Diagnosis
304.43	Amphetamine and other psychostimulant dependence, in remission	09	Diagnosis
304.5	Hallucinogen dependence	09	Diagnosis
304.50	Hallucinogen dependence, unspecified	09	Diagnosis
304.51	Hallucinogen dependence, continuous	09	Diagnosis
304.52	Hallucinogen dependence, episodic	09	Diagnosis
304.53	Hallucinogen dependence, in remission	09	Diagnosis
304.6	Other specified drug dependence	09	Diagnosis
304.60	Other specified drug dependence, unspecified	09	Diagnosis
304.61	Other specified drug dependence, continuous	09	Diagnosis
304.62	Other specified drug dependence, episodic	09	Diagnosis
304.63	Other specified drug dependence, in remission	09	Diagnosis
304.7	Combinations of opioid type drug with any other drug dependence	09	Diagnosis
304.70	Combinations of opioid type drug with any other drug dependence, unspecified	09	Diagnosis
304.71	Combinations of opioid type drug with any other drug dependence, continuous	09	Diagnosis
304.72	Combinations of opioid type drug with any other drug dependence, episodic	09	Diagnosis
304.73	Combinations of opioid type drug with any other drug dependence, in remission	09	Diagnosis
304.8	Combinations of drug dependence excluding opioid type drug	09	Diagnosis
304.80	Combinations of drug dependence excluding opioid type drug, unspecified	09	Diagnosis
304.81	Combinations of drug dependence excluding opioid type drug, continuous	09	Diagnosis
304.82	Combinations of drug dependence excluding opioid type drug, episodic	09	Diagnosis
304.83	Combinations of drug dependence excluding opioid type drug, in remission	09	Diagnosis
304.9	Unspecified drug dependence	09	Diagnosis
304.90	Unspecified drug dependence, unspecified	09	Diagnosis
304.91	Unspecified drug dependence, continuous	09	Diagnosis
304.92	Unspecified drug dependence, episodic	09	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
304.93	Unspecified drug dependence, in remission	09	Diagnosis
305.2	Nondependent cannabis abuse	09	Diagnosis
305.20	Nondependent cannabis abuse, unspecified	09	Diagnosis
305.21	Nondependent cannabis abuse, continuous	09	Diagnosis
305.22	Nondependent cannabis abuse, episodic	09	Diagnosis
305.23	Nondependent cannabis abuse, in remission	09	Diagnosis
305.3	Nondependent hallucinogen abuse	09	Diagnosis
305.30	Nondependent hallucinogen abuse, unspecified	09	Diagnosis
305.31	Nondependent hallucinogen abuse, continuous	09	Diagnosis
305.32	Nondependent hallucinogen abuse, episodic	09	Diagnosis
305.33	Nondependent hallucinogen abuse, in remission	09	Diagnosis
305.4	Nondependent sedative, hypnotic or anxiolytic abuse	09	Diagnosis
305.40	Nondependent sedative, hypnotic or anxiolytic abuse, unspecified	09	Diagnosis
305.41	Nondependent sedative hypnotic or anxiolytic abuse, continuous	09	Diagnosis
305.42	Nondependent sedative, hypnotic or anxiolytic abuse, episodic	09	Diagnosis
305.43	Nondependent sedative, hypnotic or anxiolytic abuse, in remission	09	Diagnosis
305.5	Nondependent opioid abuse	09	Diagnosis
305.50	Nondependent opioid abuse, unspecified	09	Diagnosis
305.51	Nondependent opioid abuse, continuous	09	Diagnosis
305.52	Nondependent opioid abuse, episodic	09	Diagnosis
305.53	Nondependent opioid abuse, in remission	09	Diagnosis
305.6	Nondependent cocaine abuse	09	Diagnosis
305.60	Nondependent cocaine abuse, unspecified	09	Diagnosis
305.61	Nondependent cocaine abuse, continuous	09	Diagnosis
305.62	Nondependent cocaine abuse, episodic	09	Diagnosis
305.63	Nondependent cocaine abuse, in remission	09	Diagnosis
305.7	Nondependent amphetamine or related acting sympathomimetic abuse	09	Diagnosis
305.70	Nondependent amphetamine or related acting sympathomimetic abuse, unspecified	09	Diagnosis
305.71	Nondependent amphetamine or related acting sympathomimetic abuse, continuous	09	Diagnosis
305.72	Nondependent amphetamine or related acting sympathomimetic abuse, episodic	09	Diagnosis
305.73	Nondependent amphetamine or related acting sympathomimetic abuse, in remission	09	Diagnosis
305.8	Nondependent antidepressant type abuse	09	Diagnosis
305.80	Nondependent antidepressant type abuse, unspecified	09	Diagnosis
305.81	Nondependent antidepressant type abuse, continuous	09	Diagnosis
305.82	Nondependent antidepressant type abuse, episodic	09	Diagnosis
305.83	Nondependent antidepressant type abuse, in remission	09	Diagnosis
305.9	Other, mixed, or unspecified nondependent drug abuse	09	Diagnosis
305.90	Other, mixed, or unspecified nondependent drug abuse, unspecified	09	Diagnosis
305.91	Other, mixed, or unspecified nondependent drug abuse, continuous	09	Diagnosis
305.92	Other, mixed, or unspecified nondependent drug abuse, episodic	09	Diagnosis
305.93	Other, mixed, or unspecified nondependent drug abuse, in remission	09	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
648.3	Maternal drug dependence complicating pregnancy, childbirth, or the puerperium	09	Diagnosis
648.30	Maternal drug dependence complicating pregnancy, childbirth, or the puerperium, unspecified as to episode of care	09	Diagnosis
648.31	Maternal drug dependence, with delivery	09	Diagnosis
648.32	Maternal drug dependence, with delivery, with current postpartum complication	09	Diagnosis
648.33	Maternal drug dependence, antepartum	09	Diagnosis
648.34	Maternal drug dependence complicating pregnancy, childbirth, or the puerperium, postpartum condition or complication	09	Diagnosis
F11.10	Opioid abuse, uncomplicated	10	Diagnosis
F11.11	Opioid abuse, in remission	10	Diagnosis
F11.120	Opioid abuse with intoxication, uncomplicated	10	Diagnosis
F11.121	Opioid abuse with intoxication delirium	10	Diagnosis
F11.122	Opioid abuse with intoxication with perceptual disturbance	10	Diagnosis
F11.129	Opioid abuse with intoxication, unspecified	10	Diagnosis
F11.14	Opioid abuse with opioid-induced mood disorder	10	Diagnosis
F11.150	Opioid abuse with opioid-induced psychotic disorder with delusions	10	Diagnosis
F11.151	Opioid abuse with opioid-induced psychotic disorder with hallucinations	10	Diagnosis
F11.159	Opioid abuse with opioid-induced psychotic disorder, unspecified	10	Diagnosis
F11.181	Opioid abuse with opioid-induced sexual dysfunction	10	Diagnosis
F11.182	Opioid abuse with opioid-induced sleep disorder	10	Diagnosis
F11.188	Opioid abuse with other opioid-induced disorder	10	Diagnosis
F11.19	Opioid abuse with unspecified opioid-induced disorder	10	Diagnosis
F11.20	Opioid dependence, uncomplicated	10	Diagnosis
F11.21	Opioid dependence, in remission	10	Diagnosis
F11.220	Opioid dependence with intoxication, uncomplicated	10	Diagnosis
F11.221	Opioid dependence with intoxication delirium	10	Diagnosis
F11.222	Opioid dependence with intoxication with perceptual disturbance	10	Diagnosis
F11.229	Opioid dependence with intoxication, unspecified	10	Diagnosis
F11.23	Opioid dependence with withdrawal	10	Diagnosis
F11.24	Opioid dependence with opioid-induced mood disorder	10	Diagnosis
F11.250	Opioid dependence with opioid-induced psychotic disorder with delusions	10	Diagnosis
F11.251	Opioid dependence with opioid-induced psychotic disorder with hallucinations	10	Diagnosis
F11.259	Opioid dependence with opioid-induced psychotic disorder, unspecified	10	Diagnosis
F11.281	Opioid dependence with opioid-induced sexual dysfunction	10	Diagnosis
F11.282	Opioid dependence with opioid-induced sleep disorder	10	Diagnosis
F11.288	Opioid dependence with other opioid-induced disorder	10	Diagnosis
F11.29	Opioid dependence with unspecified opioid-induced disorder	10	Diagnosis
F12.1	Cannabis abuse	10	Diagnosis
F12.10	Cannabis abuse, uncomplicated	10	Diagnosis
F12.11	Cannabis abuse, in remission	10	Diagnosis
F12.12	Cannabis abuse with intoxication	10	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
F12.120	Cannabis abuse with intoxication, uncomplicated	10	Diagnosis
F12.121	Cannabis abuse with intoxication delirium	10	Diagnosis
F12.122	Cannabis abuse with intoxication with perceptual disturbance	10	Diagnosis
F12.129	Cannabis abuse with intoxication, unspecified	10	Diagnosis
F12.15	Cannabis abuse with psychotic disorder	10	Diagnosis
F12.150	Cannabis abuse with psychotic disorder with delusions	10	Diagnosis
F12.151	Cannabis abuse with psychotic disorder with hallucinations	10	Diagnosis
F12.159	Cannabis abuse with psychotic disorder, unspecified	10	Diagnosis
F12.18	Cannabis abuse with cannabis-induced disorder	10	Diagnosis
F12.180	Cannabis abuse with cannabis-induced anxiety disorder	10	Diagnosis
F12.188	Cannabis abuse with other cannabis-induced disorder	10	Diagnosis
F12.19	Cannabis abuse with unspecified cannabis-induced disorder	10	Diagnosis
F12.2	Cannabis dependence	10	Diagnosis
F12.20	Cannabis dependence, uncomplicated	10	Diagnosis
F12.21	Cannabis dependence, in remission	10	Diagnosis
F12.220	Cannabis dependence with intoxication, uncomplicated	10	Diagnosis
F12.221	Cannabis dependence with intoxication delirium	10	Diagnosis
F12.222	Cannabis dependence with intoxication with perceptual disturbance	10	Diagnosis
F12.229	Cannabis dependence with intoxication, unspecified	10	Diagnosis
F12.23	Cannabis dependence with withdrawal	10	Diagnosis
F12.25	Cannabis dependence with psychotic disorder	10	Diagnosis
F12.250	Cannabis dependence with psychotic disorder with delusions	10	Diagnosis
F12.251	Cannabis dependence with psychotic disorder with hallucinations	10	Diagnosis
F12.259	Cannabis dependence with psychotic disorder, unspecified	10	Diagnosis
F12.28	Cannabis dependence with cannabis-induced disorder	10	Diagnosis
F12.280	Cannabis dependence with cannabis-induced anxiety disorder	10	Diagnosis
F12.288	Cannabis dependence with other cannabis-induced disorder	10	Diagnosis
F12.29	Cannabis dependence with unspecified cannabis-induced disorder	10	Diagnosis
F12.9	Cannabis use, unspecified	10	Diagnosis
F12.90	Cannabis use, unspecified, uncomplicated	10	Diagnosis
F12.92	Cannabis use, unspecified with intoxication	10	Diagnosis
F12.920	Cannabis use, unspecified with intoxication, uncomplicated	10	Diagnosis
F12.921	Cannabis use, unspecified with intoxication delirium	10	Diagnosis
F12.922	Cannabis use, unspecified with intoxication with perceptual disturbance	10	Diagnosis
F12.929	Cannabis use, unspecified with intoxication, unspecified	10	Diagnosis
F12.93	Cannabis use, unspecified with withdrawal	10	Diagnosis
F12.95	Cannabis use, unspecified with psychotic disorder	10	Diagnosis
F12.950	Cannabis use, unspecified with psychotic disorder with delusions	10	Diagnosis
F12.951	Cannabis use, unspecified with psychotic disorder with hallucinations	10	Diagnosis
F12.959	Cannabis use, unspecified with psychotic disorder, unspecified	10	Diagnosis
F12.98	Cannabis use, unspecified with other cannabis-induced disorder	10	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
F12.980	Cannabis use, unspecified with anxiety disorder	10	Diagnosis
F12.988	Cannabis use, unspecified with other cannabis-induced disorder	10	Diagnosis
F12.99	Cannabis use, unspecified with unspecified cannabis-induced disorder	10	Diagnosis
F13.10	Sedative, hypnotic or anxiolytic abuse, uncomplicated	10	Diagnosis
F13.11	Sedative, hypnotic or anxiolytic abuse, in remission	10	Diagnosis
F13.120	Sedative, hypnotic or anxiolytic abuse with intoxication, uncomplicated	10	Diagnosis
F13.121	Sedative, hypnotic or anxiolytic abuse with intoxication delirium	10	Diagnosis
F13.129	Sedative, hypnotic or anxiolytic abuse with intoxication, unspecified	10	Diagnosis
F13.14	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced mood disorder	10	Diagnosis
F13.150	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced psychotic disorder with delusions	10	Diagnosis
F13.151	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced psychotic disorder with hallucinations	10	Diagnosis
F13.159	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced psychotic disorder, unspecified	10	Diagnosis
F13.180	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced anxiety disorder	10	Diagnosis
F13.181	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced sexual dysfunction	10	Diagnosis
F13.182	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced sleep disorder	10	Diagnosis
F13.188	Sedative, hypnotic or anxiolytic abuse with other sedative, hypnotic or anxiolytic-induced disorder	10	Diagnosis
F13.19	Sedative, hypnotic or anxiolytic abuse with unspecified sedative, hypnotic or anxiolytic-induced disorder	10	Diagnosis
F13.20	Sedative, hypnotic or anxiolytic dependence, uncomplicated	10	Diagnosis
F13.21	Sedative, hypnotic or anxiolytic dependence, in remission	10	Diagnosis
F13.220	Sedative, hypnotic or anxiolytic dependence with intoxication, uncomplicated	10	Diagnosis
F13.221	Sedative, hypnotic or anxiolytic dependence with intoxication delirium	10	Diagnosis
F13.229	Sedative, hypnotic or anxiolytic dependence with intoxication, unspecified	10	Diagnosis
F13.230	Sedative, hypnotic or anxiolytic dependence with withdrawal, uncomplicated	10	Diagnosis
F13.231	Sedative, hypnotic or anxiolytic dependence with withdrawal delirium	10	Diagnosis
F13.232	Sedative, hypnotic or anxiolytic dependence with withdrawal with perceptual disturbance	10	Diagnosis
F13.239	Sedative, hypnotic or anxiolytic dependence with withdrawal, unspecified	10	Diagnosis
F13.24	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced mood disorder	10	Diagnosis
F13.250	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced psychotic disorder with delusions	10	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
F13.251	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced psychotic disorder with hallucinations	10	Diagnosis
F13.259	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced psychotic disorder, unspecified	10	Diagnosis
F13.26	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced persisting amnestic disorder	10	Diagnosis
F13.27	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced persisting dementia	10	Diagnosis
F13.280	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced anxiety disorder	10	Diagnosis
F13.281	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced sexual dysfunction	10	Diagnosis
F13.282	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced sleep disorder	10	Diagnosis
F13.288	Sedative, hypnotic or anxiolytic dependence with other sedative, hypnotic or anxiolytic-induced disorder	10	Diagnosis
F13.29	Sedative, hypnotic or anxiolytic dependence with unspecified sedative, hypnotic or anxiolytic-induced disorder	10	Diagnosis
F14.10	Cocaine abuse, uncomplicated	10	Diagnosis
F14.11	Cocaine abuse, in remission	10	Diagnosis
F14.120	Cocaine abuse with intoxication, uncomplicated	10	Diagnosis
F14.121	Cocaine abuse with intoxication with delirium	10	Diagnosis
F14.122	Cocaine abuse with intoxication with perceptual disturbance	10	Diagnosis
F14.129	Cocaine abuse with intoxication, unspecified	10	Diagnosis
F14.14	Cocaine abuse with cocaine-induced mood disorder	10	Diagnosis
F14.150	Cocaine abuse with cocaine-induced psychotic disorder with delusions	10	Diagnosis
F14.151	Cocaine abuse with cocaine-induced psychotic disorder with hallucinations	10	Diagnosis
F14.159	Cocaine abuse with cocaine-induced psychotic disorder, unspecified	10	Diagnosis
F14.180	Cocaine abuse with cocaine-induced anxiety disorder	10	Diagnosis
F14.181	Cocaine abuse with cocaine-induced sexual dysfunction	10	Diagnosis
F14.182	Cocaine abuse with cocaine-induced sleep disorder	10	Diagnosis
F14.188	Cocaine abuse with other cocaine-induced disorder	10	Diagnosis
F14.19	Cocaine abuse with unspecified cocaine-induced disorder	10	Diagnosis
F14.20	Cocaine dependence, uncomplicated	10	Diagnosis
F14.21	Cocaine dependence, in remission	10	Diagnosis
F14.220	Cocaine dependence with intoxication, uncomplicated	10	Diagnosis
F14.221	Cocaine dependence with intoxication delirium	10	Diagnosis
F14.222	Cocaine dependence with intoxication with perceptual disturbance	10	Diagnosis
F14.229	Cocaine dependence with intoxication, unspecified	10	Diagnosis
F14.23	Cocaine dependence with withdrawal	10	Diagnosis
F14.24	Cocaine dependence with cocaine-induced mood disorder	10	Diagnosis



**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
F14.250	Cocaine dependence with cocaine-induced psychotic disorder with delusions	10	Diagnosis
F14.251	Cocaine dependence with cocaine-induced psychotic disorder with hallucinations	10	Diagnosis
F14.259	Cocaine dependence with cocaine-induced psychotic disorder, unspecified	10	Diagnosis
F14.280	Cocaine dependence with cocaine-induced anxiety disorder	10	Diagnosis
F14.281	Cocaine dependence with cocaine-induced sexual dysfunction	10	Diagnosis
F14.282	Cocaine dependence with cocaine-induced sleep disorder	10	Diagnosis
F14.288	Cocaine dependence with other cocaine-induced disorder	10	Diagnosis
F14.29	Cocaine dependence with unspecified cocaine-induced disorder	10	Diagnosis
F14.9	Cocaine use, unspecified	10	Diagnosis
F14.90	Cocaine use, unspecified, uncomplicated	10	Diagnosis
F14.92	Cocaine use, unspecified with intoxication	10	Diagnosis
F14.920	Cocaine use, unspecified with intoxication, uncomplicated	10	Diagnosis
F14.921	Cocaine use, unspecified with intoxication delirium	10	Diagnosis
F14.922	Cocaine use, unspecified with intoxication with perceptual disturbance	10	Diagnosis
F14.929	Cocaine use, unspecified with intoxication, unspecified	10	Diagnosis
F14.94	Cocaine use, unspecified with cocaine-induced mood disorder	10	Diagnosis
F14.95	Cocaine use, unspecified with cocaine-induced psychotic disorder	10	Diagnosis
F14.950	Cocaine use, unspecified with cocaine-induced psychotic disorder with delusions	10	Diagnosis
F14.951	Cocaine use, unspecified with cocaine-induced psychotic disorder with hallucinations	10	Diagnosis
F14.959	Cocaine use, unspecified with cocaine-induced psychotic disorder, unspecified	10	Diagnosis
F14.98	Cocaine use, unspecified with other specified cocaine-induced disorder	10	Diagnosis
F14.980	Cocaine use, unspecified with cocaine-induced anxiety disorder	10	Diagnosis
F14.981	Cocaine use, unspecified with cocaine-induced sexual dysfunction	10	Diagnosis
F14.982	Cocaine use, unspecified with cocaine-induced sleep disorder	10	Diagnosis
F14.988	Cocaine use, unspecified with other cocaine-induced disorder	10	Diagnosis
F14.99	Cocaine use, unspecified with unspecified cocaine-induced disorder	10	Diagnosis
F15.10	Other stimulant abuse, uncomplicated	10	Diagnosis
F15.11	Other stimulant abuse, in remission	10	Diagnosis
F15.120	Other stimulant abuse with intoxication, uncomplicated	10	Diagnosis
F15.121	Other stimulant abuse with intoxication delirium	10	Diagnosis
F15.122	Other stimulant abuse with intoxication with perceptual disturbance	10	Diagnosis
F15.129	Other stimulant abuse with intoxication, unspecified	10	Diagnosis
F15.14	Other stimulant abuse with stimulant-induced mood disorder	10	Diagnosis
F15.150	Other stimulant abuse with stimulant-induced psychotic disorder with delusions	10	Diagnosis
F15.151	Other stimulant abuse with stimulant-induced psychotic disorder with hallucinations	10	Diagnosis
F15.159	Other stimulant abuse with stimulant-induced psychotic disorder, unspecified	10	Diagnosis
F15.180	Other stimulant abuse with stimulant-induced anxiety disorder	10	Diagnosis
F15.181	Other stimulant abuse with stimulant-induced sexual dysfunction	10	Diagnosis
F15.182	Other stimulant abuse with stimulant-induced sleep disorder	10	Diagnosis
F15.188	Other stimulant abuse with other stimulant-induced disorder	10	Diagnosis
F15.19	Other stimulant abuse with unspecified stimulant-induced disorder	10	Diagnosis
F15.20	Other stimulant dependence, uncomplicated	10	Diagnosis



**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
F15.21	Other stimulant dependence, in remission	10	Diagnosis
F15.220	Other stimulant dependence with intoxication, uncomplicated	10	Diagnosis
F15.221	Other stimulant dependence with intoxication delirium	10	Diagnosis
F15.222	Other stimulant dependence with intoxication with perceptual disturbance	10	Diagnosis
F15.229	Other stimulant dependence with intoxication, unspecified	10	Diagnosis
F15.23	Other stimulant dependence with withdrawal	10	Diagnosis
F15.24	Other stimulant dependence with stimulant-induced mood disorder	10	Diagnosis
F15.250	Other stimulant dependence with stimulant-induced psychotic disorder with delusions	10	Diagnosis
F15.251	Other stimulant dependence with stimulant-induced psychotic disorder with hallucinations	10	Diagnosis
F15.259	Other stimulant dependence with stimulant-induced psychotic disorder, unspecified	10	Diagnosis
F15.280	Other stimulant dependence with stimulant-induced anxiety disorder	10	Diagnosis
F15.281	Other stimulant dependence with stimulant-induced sexual dysfunction	10	Diagnosis
F15.282	Other stimulant dependence with stimulant-induced sleep disorder	10	Diagnosis
F15.288	Other stimulant dependence with other stimulant-induced disorder	10	Diagnosis
F15.29	Other stimulant dependence with unspecified stimulant-induced disorder	10	Diagnosis
F15.9	Other stimulant use, unspecified	10	Diagnosis
F15.90	Other stimulant use, unspecified, uncomplicated	10	Diagnosis
F15.92	Other stimulant use, unspecified with intoxication	10	Diagnosis
F15.920	Other stimulant use, unspecified with intoxication, uncomplicated	10	Diagnosis
F15.921	Other stimulant use, unspecified with intoxication delirium	10	Diagnosis
F15.922	Other stimulant use, unspecified with intoxication with perceptual disturbance	10	Diagnosis
F15.929	Other stimulant use, unspecified with intoxication, unspecified	10	Diagnosis
F15.93	Other stimulant use, unspecified with withdrawal	10	Diagnosis
F15.94	Other stimulant use, unspecified with stimulant-induced mood disorder	10	Diagnosis
F15.95	Other stimulant use, unspecified with stimulant-induced psychotic disorder	10	Diagnosis
F15.950	Other stimulant use, unspecified with stimulant-induced psychotic disorder with delusions	10	Diagnosis
F15.951	Other stimulant use, unspecified with stimulant-induced psychotic disorder with hallucinations	10	Diagnosis
F15.959	Other stimulant use, unspecified with stimulant-induced psychotic disorder, unspecified	10	Diagnosis
F15.98	Other stimulant use, unspecified with other stimulant-induced disorder	10	Diagnosis
F15.980	Other stimulant use, unspecified with stimulant-induced anxiety disorder	10	Diagnosis
F15.981	Other stimulant use, unspecified with stimulant-induced sexual dysfunction	10	Diagnosis
F15.982	Other stimulant use, unspecified with stimulant-induced sleep disorder	10	Diagnosis
F15.988	Other stimulant use, unspecified with other stimulant-induced disorder	10	Diagnosis
F15.99	Other stimulant use, unspecified with unspecified stimulant-induced disorder	10	Diagnosis
F16.10	Hallucinogen abuse, uncomplicated	10	Diagnosis
F16.11	Hallucinogen abuse, in remission	10	Diagnosis
F16.120	Hallucinogen abuse with intoxication, uncomplicated	10	Diagnosis
F16.121	Hallucinogen abuse with intoxication with delirium	10	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
F16.122	Hallucinogen abuse with intoxication with perceptual disturbance	10	Diagnosis
F16.129	Hallucinogen abuse with intoxication, unspecified	10	Diagnosis
F16.14	Hallucinogen abuse with hallucinogen-induced mood disorder	10	Diagnosis
F16.150	Hallucinogen abuse with hallucinogen-induced psychotic disorder with delusions	10	Diagnosis
F16.151	Hallucinogen abuse with hallucinogen-induced psychotic disorder with hallucinations	10	Diagnosis
F16.159	Hallucinogen abuse with hallucinogen-induced psychotic disorder, unspecified	10	Diagnosis
F16.180	Hallucinogen abuse with hallucinogen-induced anxiety disorder	10	Diagnosis
F16.183	Hallucinogen abuse with hallucinogen persisting perception disorder (flashbacks)	10	Diagnosis
F16.188	Hallucinogen abuse with other hallucinogen-induced disorder	10	Diagnosis
F16.19	Hallucinogen abuse with unspecified hallucinogen-induced disorder	10	Diagnosis
F16.20	Hallucinogen dependence, uncomplicated	10	Diagnosis
F16.21	Hallucinogen dependence, in remission	10	Diagnosis
F16.220	Hallucinogen dependence with intoxication, uncomplicated	10	Diagnosis
F16.221	Hallucinogen dependence with intoxication with delirium	10	Diagnosis
F16.229	Hallucinogen dependence with intoxication, unspecified	10	Diagnosis
F16.24	Hallucinogen dependence with hallucinogen-induced mood disorder	10	Diagnosis
F16.250	Hallucinogen dependence with hallucinogen-induced psychotic disorder with delusions	10	Diagnosis
F16.251	Hallucinogen dependence with hallucinogen-induced psychotic disorder with hallucinations	10	Diagnosis
F16.259	Hallucinogen dependence with hallucinogen-induced psychotic disorder, unspecified	10	Diagnosis
F16.280	Hallucinogen dependence with hallucinogen-induced anxiety disorder	10	Diagnosis
F16.283	Hallucinogen dependence with hallucinogen persisting perception disorder (flashbacks)	10	Diagnosis
F16.288	Hallucinogen dependence with other hallucinogen-induced disorder	10	Diagnosis
F16.29	Hallucinogen dependence with unspecified hallucinogen-induced disorder	10	Diagnosis
F16.9	Hallucinogen use, unspecified	10	Diagnosis
F16.90	Hallucinogen use, unspecified, uncomplicated	10	Diagnosis
F16.92	Hallucinogen use, unspecified with intoxication	10	Diagnosis
F16.920	Hallucinogen use, unspecified with intoxication, uncomplicated	10	Diagnosis
F16.921	Hallucinogen use, unspecified with intoxication with delirium	10	Diagnosis
F16.929	Hallucinogen use, unspecified with intoxication, unspecified	10	Diagnosis
F16.94	Hallucinogen use, unspecified with hallucinogen-induced mood disorder	10	Diagnosis
F16.95	Hallucinogen use, unspecified with hallucinogen-induced psychotic disorder	10	Diagnosis
F16.950	Hallucinogen use, unspecified with hallucinogen-induced psychotic disorder with delusions	10	Diagnosis
F16.951	Hallucinogen use, unspecified with hallucinogen-induced psychotic disorder with hallucinations	10	Diagnosis
F16.959	Hallucinogen use, unspecified with hallucinogen-induced psychotic disorder, unspecified	10	Diagnosis
F16.98	Hallucinogen use, unspecified with other specified hallucinogen-induced disorder	10	Diagnosis
F16.980	Hallucinogen use, unspecified with hallucinogen-induced anxiety disorder	10	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
F16.983	Hallucinogen use, unspecified with hallucinogen persisting perception disorder (flashbacks)	10	Diagnosis
F16.988	Hallucinogen use, unspecified with other hallucinogen-induced disorder	10	Diagnosis
F16.99	Hallucinogen use, unspecified with unspecified hallucinogen-induced disorder	10	Diagnosis
F18.10	Inhalant abuse, uncomplicated	10	Diagnosis
F18.11	Inhalant abuse, in remission	10	Diagnosis
F18.120	Inhalant abuse with intoxication, uncomplicated	10	Diagnosis
F18.121	Inhalant abuse with intoxication delirium	10	Diagnosis
F18.129	Inhalant abuse with intoxication, unspecified	10	Diagnosis
F18.14	Inhalant abuse with inhalant-induced mood disorder	10	Diagnosis
F18.150	Inhalant abuse with inhalant-induced psychotic disorder with delusions	10	Diagnosis
F18.151	Inhalant abuse with inhalant-induced psychotic disorder with hallucinations	10	Diagnosis
F18.159	Inhalant abuse with inhalant-induced psychotic disorder, unspecified	10	Diagnosis
F18.17	Inhalant abuse with inhalant-induced dementia	10	Diagnosis
F18.180	Inhalant abuse with inhalant-induced anxiety disorder	10	Diagnosis
F18.188	Inhalant abuse with other inhalant-induced disorder	10	Diagnosis
F18.19	Inhalant abuse with unspecified inhalant-induced disorder	10	Diagnosis
F18.20	Inhalant dependence, uncomplicated	10	Diagnosis
F18.21	Inhalant dependence, in remission	10	Diagnosis
F18.220	Inhalant dependence with intoxication, uncomplicated	10	Diagnosis
F18.221	Inhalant dependence with intoxication delirium	10	Diagnosis
F18.229	Inhalant dependence with intoxication, unspecified	10	Diagnosis
F18.24	Inhalant dependence with inhalant-induced mood disorder	10	Diagnosis
F18.250	Inhalant dependence with inhalant-induced psychotic disorder with delusions	10	Diagnosis
F18.251	Inhalant dependence with inhalant-induced psychotic disorder with hallucinations	10	Diagnosis
F18.259	Inhalant dependence with inhalant-induced psychotic disorder, unspecified	10	Diagnosis
F18.27	Inhalant dependence with inhalant-induced dementia	10	Diagnosis
F18.280	Inhalant dependence with inhalant-induced anxiety disorder	10	Diagnosis
F18.288	Inhalant dependence with other inhalant-induced disorder	10	Diagnosis
F18.29	Inhalant dependence with unspecified inhalant-induced disorder	10	Diagnosis
F18.9	Inhalant use, unspecified	10	Diagnosis
F18.90	Inhalant use, unspecified, uncomplicated	10	Diagnosis
F18.92	Inhalant use, unspecified with intoxication	10	Diagnosis
F18.920	Inhalant use, unspecified with intoxication, uncomplicated	10	Diagnosis
F18.921	Inhalant use, unspecified with intoxication with delirium	10	Diagnosis
F18.929	Inhalant use, unspecified with intoxication, unspecified	10	Diagnosis
F18.94	Inhalant use, unspecified with inhalant-induced mood disorder	10	Diagnosis
F18.95	Inhalant use, unspecified with inhalant-induced psychotic disorder	10	Diagnosis
F18.950	Inhalant use, unspecified with inhalant-induced psychotic disorder with delusions	10	Diagnosis
F18.951	Inhalant use, unspecified with inhalant-induced psychotic disorder with hallucinations	10	Diagnosis
F18.959	Inhalant use, unspecified with inhalant-induced psychotic disorder, unspecified	10	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
F18.97	Inhalant use, unspecified with inhalant-induced persisting dementia	10	Diagnosis
F18.98	Inhalant use, unspecified with other inhalant-induced disorders	10	Diagnosis
F18.980	Inhalant use, unspecified with inhalant-induced anxiety disorder	10	Diagnosis
F18.988	Inhalant use, unspecified with other inhalant-induced disorder	10	Diagnosis
F18.99	Inhalant use, unspecified with unspecified inhalant-induced disorder	10	Diagnosis
F19.10	Other psychoactive substance abuse, uncomplicated	10	Diagnosis
F19.11	Other psychoactive substance abuse, in remission	10	Diagnosis
F19.120	Other psychoactive substance abuse with intoxication, uncomplicated	10	Diagnosis
F19.121	Other psychoactive substance abuse with intoxication delirium	10	Diagnosis
F19.122	Other psychoactive substance abuse with intoxication with perceptual disturbances	10	Diagnosis
F19.129	Other psychoactive substance abuse with intoxication, unspecified	10	Diagnosis
F19.14	Other psychoactive substance abuse with psychoactive substance-induced mood disorder	10	Diagnosis
F19.150	Other psychoactive substance abuse with psychoactive substance-induced psychotic disorder with delusions	10	Diagnosis
F19.151	Other psychoactive substance abuse with psychoactive substance-induced psychotic disorder with hallucinations	10	Diagnosis
F19.159	Other psychoactive substance abuse with psychoactive substance-induced psychotic disorder, unspecified	10	Diagnosis
F19.16	Other psychoactive substance abuse with psychoactive substance-induced persisting amnestic disorder	10	Diagnosis
F19.17	Other psychoactive substance abuse with psychoactive substance-induced persisting dementia	10	Diagnosis
F19.180	Other psychoactive substance abuse with psychoactive substance-induced anxiety disorder	10	Diagnosis
F19.181	Other psychoactive substance abuse with psychoactive substance-induced sexual dysfunction	10	Diagnosis
F19.182	Other psychoactive substance abuse with psychoactive substance-induced sleep disorder	10	Diagnosis
F19.188	Other psychoactive substance abuse with other psychoactive substance-induced disorder	10	Diagnosis
F19.19	Other psychoactive substance abuse with unspecified psychoactive substance-induced disorder	10	Diagnosis
F19.20	Other psychoactive substance dependence, uncomplicated	10	Diagnosis
F19.21	Other psychoactive substance dependence, in remission	10	Diagnosis
F19.220	Other psychoactive substance dependence with intoxication, uncomplicated	10	Diagnosis
F19.221	Other psychoactive substance dependence with intoxication delirium	10	Diagnosis
F19.222	Other psychoactive substance dependence with intoxication with perceptual disturbance	10	Diagnosis
F19.229	Other psychoactive substance dependence with intoxication, unspecified	10	Diagnosis
F19.230	Other psychoactive substance dependence with withdrawal, uncomplicated	10	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
F19.231	Other psychoactive substance dependence with withdrawal delirium	10	Diagnosis
F19.232	Other psychoactive substance dependence with withdrawal with perceptual disturbance	10	Diagnosis
F19.239	Other psychoactive substance dependence with withdrawal, unspecified	10	Diagnosis
F19.24	Other psychoactive substance dependence with psychoactive substance-induced mood disorder	10	Diagnosis
F19.250	Other psychoactive substance dependence with psychoactive substance-induced psychotic disorder with delusions	10	Diagnosis
F19.251	Other psychoactive substance dependence with psychoactive substance-induced psychotic disorder with hallucinations	10	Diagnosis
F19.259	Other psychoactive substance dependence with psychoactive substance-induced psychotic disorder, unspecified	10	Diagnosis
F19.26	Other psychoactive substance dependence with psychoactive substance-induced persisting amnesic disorder	10	Diagnosis
F19.27	Other psychoactive substance dependence with psychoactive substance-induced persisting dementia	10	Diagnosis
F19.280	Other psychoactive substance dependence with psychoactive substance-induced anxiety disorder	10	Diagnosis
F19.281	Other psychoactive substance dependence with psychoactive substance-induced sexual dysfunction	10	Diagnosis
F19.282	Other psychoactive substance dependence with psychoactive substance-induced sleep disorder	10	Diagnosis
F19.288	Other psychoactive substance dependence with other psychoactive substance-induced disorder	10	Diagnosis
F19.29	Other psychoactive substance dependence with unspecified psychoactive substance-induced disorder	10	Diagnosis
F19.9	Other psychoactive substance use, unspecified	10	Diagnosis
F19.90	Other psychoactive substance use, unspecified, uncomplicated	10	Diagnosis
F19.92	Other psychoactive substance use, unspecified with intoxication	10	Diagnosis
F19.920	Other psychoactive substance use, unspecified with intoxication, uncomplicated	10	Diagnosis
F19.921	Other psychoactive substance use, unspecified with intoxication with delirium	10	Diagnosis
F19.922	Other psychoactive substance use, unspecified with intoxication with perceptual disturbance	10	Diagnosis
F19.929	Other psychoactive substance use, unspecified with intoxication, unspecified	10	Diagnosis
F19.93	Other psychoactive substance use, unspecified with withdrawal	10	Diagnosis
F19.930	Other psychoactive substance use, unspecified with withdrawal, uncomplicated	10	Diagnosis
F19.931	Other psychoactive substance use, unspecified with withdrawal delirium	10	Diagnosis
F19.932	Other psychoactive substance use, unspecified with withdrawal with perceptual disturbance	10	Diagnosis
F19.939	Other psychoactive substance use, unspecified with withdrawal, unspecified	10	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
F19.94	Other psychoactive substance use, unspecified with psychoactive substance-induced mood disorder	10	Diagnosis
F19.95	Other psychoactive substance use, unspecified with psychoactive substance-induced psychotic disorder	10	Diagnosis
F19.950	Other psychoactive substance use, unspecified with psychoactive substance-induced psychotic disorder with delusions	10	Diagnosis
F19.951	Other psychoactive substance use, unspecified with psychoactive substance-induced psychotic disorder with hallucinations	10	Diagnosis
F19.959	Other psychoactive substance use, unspecified with psychoactive substance-induced psychotic disorder, unspecified	10	Diagnosis
F19.96	Other psychoactive substance use, unspecified with psychoactive substance-induced persisting amnesic disorder	10	Diagnosis
F19.97	Other psychoactive substance use, unspecified with psychoactive substance-induced persisting dementia	10	Diagnosis
F19.98	Other psychoactive substance use, unspecified with other psychoactive substance-induced disorders	10	Diagnosis
F19.980	Other psychoactive substance use, unspecified with psychoactive substance-induced anxiety disorder	10	Diagnosis
F19.981	Other psychoactive substance use, unspecified with psychoactive substance-induced sexual dysfunction	10	Diagnosis
F19.982	Other psychoactive substance use, unspecified with psychoactive substance-induced sleep disorder	10	Diagnosis
F19.988	Other psychoactive substance use, unspecified with other psychoactive substance-induced disorder	10	Diagnosis
F19.99	Other psychoactive substance use, unspecified with unspecified psychoactive substance-induced disorder	10	Diagnosis
F55.0	Abuse of antacids	10	Diagnosis
F55.1	Abuse of herbal or folk remedies	10	Diagnosis
F55.2	Abuse of laxatives	10	Diagnosis
F55.3	Abuse of steroids or hormones	10	Diagnosis
F55.4	Abuse of vitamins	10	Diagnosis
F55.8	Abuse of other non-psychoactive substances	10	Diagnosis
O99.320	Drug use complicating pregnancy, unspecified trimester	10	Diagnosis
O99.321	Drug use complicating pregnancy, first trimester	10	Diagnosis
O99.322	Drug use complicating pregnancy, second trimester	10	Diagnosis
O99.323	Drug use complicating pregnancy, third trimester	10	Diagnosis
O99.324	Drug use complicating childbirth	10	Diagnosis
O99.325	Drug use complicating the puerperium	10	Diagnosis
<b>Epilepsy/Seizures</b>			
345	Epilepsy and recurrent seizures	09	Diagnosis
345.0	Generalized nonconvulsive epilepsy	09	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
345.00	Generalized nonconvulsive epilepsy without mention of intractable epilepsy	09	Diagnosis
345.01	Generalized nonconvulsive epilepsy with intractable epilepsy	09	Diagnosis
345.1	Generalized convulsive epilepsy	09	Diagnosis
345.10	Generalized convulsive epilepsy without mention of intractable epilepsy	09	Diagnosis
345.11	Generalized convulsive epilepsy with intractable epilepsy	09	Diagnosis
345.2	Epileptic petit mal status	09	Diagnosis
345.3	Epileptic grand mal status	09	Diagnosis
345.4	Localization-related (focal) (partial) epilepsy and epileptic syndromes with complex partial seizures	09	Diagnosis
345.40	Localization-related (focal) (partial) epilepsy and epileptic syndromes with complex partial seizures, without mention of intractable epilepsy	09	Diagnosis
345.41	Localization-related (focal) (partial) epilepsy and epileptic syndromes with complex partial seizures, with intractable epilepsy	09	Diagnosis
345.5	Localization-related (focal) (partial) epilepsy and epileptic syndromes with simple partial seizures	09	Diagnosis
345.50	Localization-related (focal) (partial) epilepsy and epileptic syndromes with simple partial seizures, without mention of intractable epilepsy	09	Diagnosis
345.51	Localization-related (focal) (partial) epilepsy and epileptic syndromes with simple partial seizures, with intractable epilepsy	09	Diagnosis
345.6	Infantile spasms	09	Diagnosis
345.60	Infantile spasms without mention of intractable epilepsy	09	Diagnosis
345.61	Infantile spasms with intractable epilepsy	09	Diagnosis
345.7	Epilepsia partialis continua	09	Diagnosis
345.70	Epilepsia partialis continua without mention of intractable epilepsy	09	Diagnosis
345.71	Epilepsia partialis continua with intractable epilepsy	09	Diagnosis
345.8	Other forms of epilepsy and recurrent seizures	09	Diagnosis
345.80	Other forms of epilepsy and recurrent seizures, without mention of intractable epilepsy	09	Diagnosis
345.81	Other forms of epilepsy and recurrent seizures, with intractable epilepsy	09	Diagnosis
345.9	Unspecified epilepsy	09	Diagnosis
345.90	Unspecified epilepsy without mention of intractable epilepsy	09	Diagnosis
345.91	Unspecified epilepsy with intractable epilepsy	09	Diagnosis
649.40	Epilepsy complicating pregnancy, childbirth, or the puerperium, unspecified as to episode of care or not applicable	09	Diagnosis
649.41	Epilepsy complicating pregnancy, childbirth, or the puerperium, delivered, with or without mention of antepartum condition	09	Diagnosis
649.42	Epilepsy complicating pregnancy, childbirth, or the puerperium, delivered, with mention of postpartum complication	09	Diagnosis
649.43	Epilepsy complicating pregnancy, childbirth, or the puerperium, antepartum condition or complication	09	Diagnosis
649.44	Epilepsy complicating pregnancy, childbirth, or the puerperium, postpartum condition or complication	09	Diagnosis



**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
G40.001	Localization-related (focal) (partial) idiopathic epilepsy and epileptic syndromes with seizures of localized onset, not intractable, with status epilepticus	10	Diagnosis
G40.009	Localization-related (focal) (partial) idiopathic epilepsy and epileptic syndromes with seizures of localized onset, not intractable, without status epilepticus	10	Diagnosis
G40.011	Localization-related (focal) (partial) idiopathic epilepsy and epileptic syndromes with seizures of localized onset, intractable, with status epilepticus	10	Diagnosis
G40.019	Localization-related (focal) (partial) idiopathic epilepsy and epileptic syndromes with seizures of localized onset, intractable, without status epilepticus	10	Diagnosis
G40.101	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with simple partial seizures, not intractable, with status epilepticus	10	Diagnosis
G40.109	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with simple partial seizures, not intractable, without status epilepticus	10	Diagnosis
G40.111	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with simple partial seizures, intractable, with status epilepticus	10	Diagnosis
G40.119	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with simple partial seizures, intractable, without status epilepticus	10	Diagnosis
G40.201	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with complex partial seizures, not intractable, with status epilepticus	10	Diagnosis
G40.209	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with complex partial seizures, not intractable, without status epilepticus	10	Diagnosis
G40.211	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with complex partial seizures, intractable, with status epilepticus	10	Diagnosis
G40.219	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with complex partial seizures, intractable, without status epilepticus	10	Diagnosis
G40.301	Generalized idiopathic epilepsy and epileptic syndromes, not intractable, with status epilepticus	10	Diagnosis
G40.309	Generalized idiopathic epilepsy and epileptic syndromes, not intractable, without status epilepticus	10	Diagnosis
G40.311	Generalized idiopathic epilepsy and epileptic syndromes, intractable, with status epilepticus	10	Diagnosis
G40.319	Generalized idiopathic epilepsy and epileptic syndromes, intractable, without status epilepticus	10	Diagnosis
G40.401	Other generalized epilepsy and epileptic syndromes, not intractable, with status epilepticus	10	Diagnosis
G40.409	Other generalized epilepsy and epileptic syndromes, not intractable, without status epilepticus	10	Diagnosis
G40.411	Other generalized epilepsy and epileptic syndromes, intractable, with status epilepticus	10	Diagnosis
G40.419	Other generalized epilepsy and epileptic syndromes, intractable, without status epilepticus	10	Diagnosis
G40.501	Epileptic seizures related to external causes, not intractable, with status epilepticus	10	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
G40.509	Epileptic seizures related to external causes, not intractable, without status epilepticus	10	Diagnosis
G40.801	Other epilepsy, not intractable, with status epilepticus	10	Diagnosis
G40.802	Other epilepsy, not intractable, without status epilepticus	10	Diagnosis
G40.803	Other epilepsy, intractable, with status epilepticus	10	Diagnosis
G40.804	Other epilepsy, intractable, without status epilepticus	10	Diagnosis
G40.811	Lennox-Gastaut syndrome, not intractable, with status epilepticus	10	Diagnosis
G40.812	Lennox-Gastaut syndrome, not intractable, without status epilepticus	10	Diagnosis
G40.813	Lennox-Gastaut syndrome, intractable, with status epilepticus	10	Diagnosis
G40.814	Lennox-Gastaut syndrome, intractable, without status epilepticus	10	Diagnosis
G40.821	Epileptic spasms, not intractable, with status epilepticus	10	Diagnosis
G40.822	Epileptic spasms, not intractable, without status epilepticus	10	Diagnosis
G40.823	Epileptic spasms, intractable, with status epilepticus	10	Diagnosis
G40.824	Epileptic spasms, intractable, without status epilepticus	10	Diagnosis
G40.89	Other seizures	10	Diagnosis
G40.901	Epilepsy, unspecified, not intractable, with status epilepticus	10	Diagnosis
G40.909	Epilepsy, unspecified, not intractable, without status epilepticus	10	Diagnosis
G40.911	Epilepsy, unspecified, intractable, with status epilepticus	10	Diagnosis
G40.919	Epilepsy, unspecified, intractable, without status epilepticus	10	Diagnosis
G40.A01	Absence epileptic syndrome, not intractable, with status epilepticus	10	Diagnosis
G40.A09	Absence epileptic syndrome, not intractable, without status epilepticus	10	Diagnosis
G40.A11	Absence epileptic syndrome, intractable, with status epilepticus	10	Diagnosis
G40.A19	Absence epileptic syndrome, intractable, without status epilepticus	10	Diagnosis
G40.B01	Juvenile myoclonic epilepsy, not intractable, with status epilepticus	10	Diagnosis
G40.B09	Juvenile myoclonic epilepsy, not intractable, without status epilepticus	10	Diagnosis
G40.B11	Juvenile myoclonic epilepsy, intractable, with status epilepticus	10	Diagnosis
G40.B19	Juvenile myoclonic epilepsy, intractable, without status epilepticus	10	Diagnosis
<b>HIV</b>			
042	Human immunodeficiency virus [HIV]	09	Diagnosis
V08	Asymptomatic human immunodeficiency virus (HIV) infection status	09	Diagnosis
B20	Human immunodeficiency virus [HIV] disease	10	Diagnosis
Z21	Asymptomatic human immunodeficiency virus [HIV] infection status	10	Diagnosis
<b>Inflammatory Bowel Disease</b>			
555	Regional enteritis	09	Diagnosis
555.0	Regional enteritis of small intestine	09	Diagnosis
555.1	Regional enteritis of large intestine	09	Diagnosis
555.2	Regional enteritis of small intestine with large intestine	09	Diagnosis
555.9	Regional enteritis of unspecified site	09	Diagnosis
556	Ulcerative colitis	09	Diagnosis
556.0	Ulcerative (chronic) enterocolitis	09	Diagnosis
556.1	Ulcerative (chronic) ileocolitis	09	Diagnosis
556.2	Ulcerative (chronic) proctitis	09	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
556.3	Ulcerative (chronic) proctosigmoiditis	09	Diagnosis
556.4	Pseudopolyposis of colon	09	Diagnosis
556.5	Left sided ulcerative (chronic) colitis	09	Diagnosis
556.6	Universal ulcerative (chronic) colitis	09	Diagnosis
556.8	Other ulcerative colitis	09	Diagnosis
556.9	Unspecified ulcerative colitis	09	Diagnosis
K50	Crohn's disease [regional enteritis]	10	Diagnosis
K50.0	Crohn's disease of small intestine	10	Diagnosis
K50.00	Crohn's disease of small intestine without complications	10	Diagnosis
K50.01	Crohn's disease of small intestine with complications	10	Diagnosis
K50.011	Crohn's disease of small intestine with rectal bleeding	10	Diagnosis
K50.012	Crohn's disease of small intestine with intestinal obstruction	10	Diagnosis
K50.013	Crohn's disease of small intestine with fistula	10	Diagnosis
K50.014	Crohn's disease of small intestine with abscess	10	Diagnosis
K50.018	Crohn's disease of small intestine with other complication	10	Diagnosis
K50.019	Crohn's disease of small intestine with unspecified complications	10	Diagnosis
K50.1	Crohn's disease of large intestine	10	Diagnosis
K50.10	Crohn's disease of large intestine without complications	10	Diagnosis
K50.11	Crohn's disease of large intestine with complications	10	Diagnosis
K50.111	Crohn's disease of large intestine with rectal bleeding	10	Diagnosis
K50.112	Crohn's disease of large intestine with intestinal obstruction	10	Diagnosis
K50.113	Crohn's disease of large intestine with fistula	10	Diagnosis
K50.114	Crohn's disease of large intestine with abscess	10	Diagnosis
K50.118	Crohn's disease of large intestine with other complication	10	Diagnosis
K50.119	Crohn's disease of large intestine with unspecified complications	10	Diagnosis
K50.8	Crohn's disease of both small and large intestine	10	Diagnosis
K50.80	Crohn's disease of both small and large intestine without complications	10	Diagnosis
K50.81	Crohn's disease of both small and large intestine with complications	10	Diagnosis
K50.811	Crohn's disease of both small and large intestine with rectal bleeding	10	Diagnosis
K50.812	Crohn's disease of both small and large intestine with intestinal obstruction	10	Diagnosis
K50.813	Crohn's disease of both small and large intestine with fistula	10	Diagnosis
K50.814	Crohn's disease of both small and large intestine with abscess	10	Diagnosis
K50.818	Crohn's disease of both small and large intestine with other complication	10	Diagnosis
K50.819	Crohn's disease of both small and large intestine with unspecified complications	10	Diagnosis
K50.9	Crohn's disease, unspecified	10	Diagnosis
K50.90	Crohn's disease, unspecified, without complications	10	Diagnosis
K50.91	Crohn's disease, unspecified, with complications	10	Diagnosis
K50.911	Crohn's disease, unspecified, with rectal bleeding	10	Diagnosis
K50.912	Crohn's disease, unspecified, with intestinal obstruction	10	Diagnosis
K50.913	Crohn's disease, unspecified, with fistula	10	Diagnosis
K50.914	Crohn's disease, unspecified, with abscess	10	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
K50.918	Crohn's disease, unspecified, with other complication	10	Diagnosis
K50.919	Crohn's disease, unspecified, with unspecified complications	10	Diagnosis
K51.0	Ulcerative (chronic) pancolitis	10	Diagnosis
K51.00	Ulcerative (chronic) pancolitis without complications	10	Diagnosis
K51.01	Ulcerative (chronic) pancolitis with complications	10	Diagnosis
K51.011	Ulcerative (chronic) pancolitis with rectal bleeding	10	Diagnosis
K51.012	Ulcerative (chronic) pancolitis with intestinal obstruction	10	Diagnosis
K51.013	Ulcerative (chronic) pancolitis with fistula	10	Diagnosis
K51.014	Ulcerative (chronic) pancolitis with abscess	10	Diagnosis
K51.018	Ulcerative (chronic) pancolitis with other complication	10	Diagnosis
K51.019	Ulcerative (chronic) pancolitis with unspecified complications	10	Diagnosis
K51.2	Ulcerative (chronic) proctitis	10	Diagnosis
K51.20	Ulcerative (chronic) proctitis without complications	10	Diagnosis
K51.21	Ulcerative (chronic) proctitis with complications	10	Diagnosis
K51.211	Ulcerative (chronic) proctitis with rectal bleeding	10	Diagnosis
K51.212	Ulcerative (chronic) proctitis with intestinal obstruction	10	Diagnosis
K51.213	Ulcerative (chronic) proctitis with fistula	10	Diagnosis
K51.214	Ulcerative (chronic) proctitis with abscess	10	Diagnosis
K51.218	Ulcerative (chronic) proctitis with other complication	10	Diagnosis
K51.219	Ulcerative (chronic) proctitis with unspecified complications	10	Diagnosis
K51.3	Ulcerative (chronic) rectosigmoiditis	10	Diagnosis
K51.30	Ulcerative (chronic) rectosigmoiditis without complications	10	Diagnosis
K51.31	Ulcerative (chronic) rectosigmoiditis with complications	10	Diagnosis
K51.311	Ulcerative (chronic) rectosigmoiditis with rectal bleeding	10	Diagnosis
K51.312	Ulcerative (chronic) rectosigmoiditis with intestinal obstruction	10	Diagnosis
K51.313	Ulcerative (chronic) rectosigmoiditis with fistula	10	Diagnosis
K51.314	Ulcerative (chronic) rectosigmoiditis with abscess	10	Diagnosis
K51.318	Ulcerative (chronic) rectosigmoiditis with other complication	10	Diagnosis
K51.319	Ulcerative (chronic) rectosigmoiditis with unspecified complications	10	Diagnosis
K51.5	Left sided colitis	10	Diagnosis
K51.50	Left sided colitis without complications	10	Diagnosis
K51.51	Left sided colitis with complications	10	Diagnosis
K51.511	Left sided colitis with rectal bleeding	10	Diagnosis
K51.512	Left sided colitis with intestinal obstruction	10	Diagnosis
K51.513	Left sided colitis with fistula	10	Diagnosis
K51.514	Left sided colitis with abscess	10	Diagnosis
K51.518	Left sided colitis with other complication	10	Diagnosis
K51.519	Left sided colitis with unspecified complications	10	Diagnosis
K51.8	Other ulcerative colitis	10	Diagnosis
K51.80	Other ulcerative colitis without complications	10	Diagnosis
K51.81	Other ulcerative colitis with complications	10	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
K51.811	Other ulcerative colitis with rectal bleeding	10	Diagnosis
K51.812	Other ulcerative colitis with intestinal obstruction	10	Diagnosis
K51.813	Other ulcerative colitis with fistula	10	Diagnosis
K51.814	Other ulcerative colitis with abscess	10	Diagnosis
K51.818	Other ulcerative colitis with other complication	10	Diagnosis
K51.819	Other ulcerative colitis with unspecified complications	10	Diagnosis
K51.9	Ulcerative colitis, unspecified	10	Diagnosis
K51.90	Ulcerative colitis, unspecified, without complications	10	Diagnosis
K51.91	Ulcerative colitis, unspecified, with complications	10	Diagnosis
K51.911	Ulcerative colitis, unspecified with rectal bleeding	10	Diagnosis
K51.912	Ulcerative colitis, unspecified with intestinal obstruction	10	Diagnosis
K51.913	Ulcerative colitis, unspecified with fistula	10	Diagnosis
K51.914	Ulcerative colitis, unspecified with abscess	10	Diagnosis
K51.918	Ulcerative colitis, unspecified with other complication	10	Diagnosis
K51.919	Ulcerative colitis, unspecified with unspecified complications	10	Diagnosis
<b>Leukemia/Lymphoma</b>			
200.0	Reticulosarcoma	09	Diagnosis
200.00	Reticulosarcoma, unspecified site, extranodal and solid organ sites	09	Diagnosis
200.01	Reticulosarcoma of lymph nodes of head, face, and neck	09	Diagnosis
200.02	Reticulosarcoma of intrathoracic lymph nodes	09	Diagnosis
200.03	Reticulosarcoma of intra-abdominal lymph nodes	09	Diagnosis
200.04	Reticulosarcoma of lymph nodes of axilla and upper limb	09	Diagnosis
200.05	Reticulosarcoma of lymph nodes of inguinal region and lower limb	09	Diagnosis
200.06	Reticulosarcoma of intrapelvic lymph nodes	09	Diagnosis
200.07	Reticulosarcoma of spleen	09	Diagnosis
200.08	Reticulosarcoma of lymph nodes of multiple sites	09	Diagnosis
200.1	Lymphosarcoma	09	Diagnosis
200.10	Lymphosarcoma, unspecified site, extranodal and solid organ sites	09	Diagnosis
200.11	Lymphosarcoma of lymph nodes of head, face, and neck	09	Diagnosis
200.12	Lymphosarcoma of intrathoracic lymph nodes	09	Diagnosis
200.13	Lymphosarcoma of intra-abdominal lymph nodes	09	Diagnosis
200.14	Lymphosarcoma of lymph nodes of axilla and upper limb	09	Diagnosis
200.15	Lymphosarcoma of lymph nodes of inguinal region and lower limb	09	Diagnosis
200.16	Lymphosarcoma of intrapelvic lymph nodes	09	Diagnosis
200.17	Lymphosarcoma of spleen	09	Diagnosis
200.18	Lymphosarcoma of lymph nodes of multiple sites	09	Diagnosis
200.2	Burkitt's tumor or lymphoma	09	Diagnosis
200.20	Burkitt's tumor or lymphoma, unspecified site, extranodal and solid organ sites	09	Diagnosis
200.21	Burkitt's tumor or lymphoma of lymph nodes of head, face, and neck	09	Diagnosis
200.22	Burkitt's tumor or lymphoma of intrathoracic lymph nodes	09	Diagnosis
200.23	Burkitt's tumor or lymphoma of intra-abdominal lymph nodes	09	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
200.24	Burkitt's tumor or lymphoma of lymph nodes of axilla and upper limb	09	Diagnosis
200.25	Burkitt's tumor or lymphoma of lymph nodes of inguinal region and lower limb	09	Diagnosis
200.26	Burkitt's tumor or lymphoma of intrapelvic lymph nodes	09	Diagnosis
200.27	Burkitt's tumor or lymphoma of spleen	09	Diagnosis
200.28	Burkitt's tumor or lymphoma of lymph nodes of multiple sites	09	Diagnosis
200.3	Marginal zone lymphoma	09	Diagnosis
200.30	Marginal zone lymphoma, unspecified site, extranodal and solid organ sites	09	Diagnosis
200.31	Marginal zone lymphoma, lymph nodes of head, face, and neck	09	Diagnosis
200.32	Marginal zone lymphoma, intrathoracic lymph nodes	09	Diagnosis
200.33	Marginal zone lymphoma, intra-abdominal lymph nodes	09	Diagnosis
200.34	Marginal zone lymphoma, lymph nodes of axilla and upper limb	09	Diagnosis
200.35	Marginal zone lymphoma, lymph nodes of inguinal region and lower limb	09	Diagnosis
200.36	Marginal zone lymphoma, intrapelvic lymph nodes	09	Diagnosis
200.37	Marginal zone lymphoma, spleen	09	Diagnosis
200.38	Marginal zone lymphoma, lymph nodes of multiple sites	09	Diagnosis
200.4	Mantle cell lymphoma	09	Diagnosis
200.40	Mantle cell lymphoma, unspecified site, extranodal and solid organ sites	09	Diagnosis
200.41	Mantle cell lymphoma, lymph nodes of head, face, and neck	09	Diagnosis
200.42	Mantle cell lymphoma, intrathoracic lymph nodes	09	Diagnosis
200.43	Mantle cell lymphoma, intra-abdominal lymph nodes	09	Diagnosis
200.44	Mantle cell lymphoma, lymph nodes of axilla and upper limb	09	Diagnosis
200.45	Mantle cell lymphoma, lymph nodes of inguinal region and lower limb	09	Diagnosis
200.46	Mantle cell lymphoma, intrapelvic lymph nodes	09	Diagnosis
200.47	Mantle cell lymphoma, spleen	09	Diagnosis
200.48	Mantle cell lymphoma, lymph nodes of multiple sites	09	Diagnosis
200.5	Primary central nervous system lymphoma	09	Diagnosis
200.50	Primary central nervous system lymphoma, unspecified site, extranodal and solid organ sites	09	Diagnosis
200.51	Primary central nervous system lymphoma, lymph nodes of head, face, and neck	09	Diagnosis
200.52	Primary central nervous system lymphoma, intrathoracic lymph nodes	09	Diagnosis
200.53	Primary central nervous system lymphoma, intra-abdominal lymph nodes	09	Diagnosis
200.54	Primary central nervous system lymphoma, lymph nodes of axilla and upper limb	09	Diagnosis
200.55	Primary central nervous system lymphoma, lymph nodes of inguinal region and lower limb	09	Diagnosis
200.56	Primary central nervous system lymphoma, intrapelvic lymph nodes	09	Diagnosis
200.57	Primary central nervous system lymphoma, spleen	09	Diagnosis
200.58	Primary central nervous system lymphoma, lymph nodes of multiple sites	09	Diagnosis
200.6	Anaplastic large cell lymphoma	09	Diagnosis
200.60	Anaplastic large cell lymphoma, unspecified site, extranodal and solid organ sites	09	Diagnosis
200.61	Anaplastic large cell lymphoma, lymph nodes of head, face, and neck	09	Diagnosis
200.62	Anaplastic large cell lymphoma, intrathoracic lymph nodes	09	Diagnosis
200.63	Anaplastic large cell lymphoma, intra-abdominal lymph nodes	09	Diagnosis
200.64	Anaplastic large cell lymphoma, lymph nodes of axilla and upper limb	09	Diagnosis



**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
200.65	Anaplastic large cell lymphoma, lymph nodes of inguinal region and lower limb	09	Diagnosis
200.66	Anaplastic large cell lymphoma, intrapelvic lymph nodes	09	Diagnosis
200.67	Anaplastic large cell lymphoma, spleen	09	Diagnosis
200.68	Anaplastic large cell lymphoma, lymph nodes of multiple sites	09	Diagnosis
200.7	Large cell lymphoma	09	Diagnosis
200.70	Large cell lymphoma, unspecified site, extranodal and solid organ sites	09	Diagnosis
200.71	Large cell lymphoma, lymph nodes of head, face, and neck	09	Diagnosis
200.72	Large cell lymphoma, intrathoracic lymph nodes	09	Diagnosis
200.73	Large cell lymphoma, intra-abdominal lymph nodes	09	Diagnosis
200.74	Large cell lymphoma, lymph nodes of axilla and upper limb	09	Diagnosis
200.75	Large cell lymphoma, lymph nodes of inguinal region and lower limb	09	Diagnosis
200.76	Large cell lymphoma, intrapelvic lymph nodes	09	Diagnosis
200.77	Large cell lymphoma, spleen	09	Diagnosis
200.78	Large cell lymphoma, lymph nodes of multiple sites	09	Diagnosis
200.8	Other named variants of lymphosarcoma and reticulosarcoma	09	Diagnosis
200.80	Other named variants, unspecified site, extranodal and solid organ sites	09	Diagnosis
200.81	Other named variants of lymphosarcoma and reticulosarcoma of lymph nodes of head, face, and neck	09	Diagnosis
200.82	Other named variants of lymphosarcoma and reticulosarcoma of intrathoracic lymph nodes	09	Diagnosis
200.83	Other named variants of lymphosarcoma and reticulosarcoma of intra-abdominal lymph nodes	09	Diagnosis
200.84	Other named variants of lymphosarcoma and reticulosarcoma of lymph nodes of axilla and upper limb	09	Diagnosis
200.85	Other named variants of lymphosarcoma and reticulosarcoma of lymph nodes of inguinal region and lower limb	09	Diagnosis
200.86	Other named variants of lymphosarcoma and reticulosarcoma of intrapelvic lymph nodes	09	Diagnosis
200.87	Other named variants of lymphosarcoma and reticulosarcoma of spleen	09	Diagnosis
200.88	Other named variants of lymphosarcoma and reticulosarcoma of lymph nodes of multiple sites	09	Diagnosis
201.0	Hodgkin's paraganuloma	09	Diagnosis
201.00	Hodgkin's paraganuloma, unspecified site, extranodal and solid organ sites	09	Diagnosis
201.01	Hodgkin's paraganuloma of lymph nodes of head, face, and neck	09	Diagnosis
201.02	Hodgkin's paraganuloma of intrathoracic lymph nodes	09	Diagnosis
201.03	Hodgkin's paraganuloma of intra-abdominal lymph nodes	09	Diagnosis
201.04	Hodgkin's paraganuloma of lymph nodes of axilla and upper limb	09	Diagnosis
201.05	Hodgkin's paraganuloma of lymph nodes of inguinal region and lower limb	09	Diagnosis
201.06	Hodgkin's paraganuloma of intrapelvic lymph nodes	09	Diagnosis
201.07	Hodgkin's paraganuloma of spleen	09	Diagnosis
201.08	Hodgkin's paraganuloma of lymph nodes of multiple sites	09	Diagnosis
201.1	Hodgkin's granuloma	09	Diagnosis
201.10	Hodgkin's granuloma, unspecified site, extranodal and solid organ sites	09	Diagnosis
201.11	Hodgkin's granuloma of lymph nodes of head, face, and neck	09	Diagnosis
201.12	Hodgkin's granuloma of intrathoracic lymph nodes	09	Diagnosis
201.13	Hodgkin's granuloma of intra-abdominal lymph nodes	09	Diagnosis
201.14	Hodgkin's granuloma of lymph nodes of axilla and upper limb	09	Diagnosis
201.15	Hodgkin's granuloma of lymph nodes of inguinal region and lower limb	09	Diagnosis



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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
201.16	Hodgkin's granuloma of intrapelvic lymph nodes	09	Diagnosis
201.17	Hodgkin's granuloma of spleen	09	Diagnosis
201.18	Hodgkin's granuloma of lymph nodes of multiple sites	09	Diagnosis
201.2	Hodgkin's sarcoma	09	Diagnosis
201.20	Hodgkin's sarcoma, unspecified site, extranodal and solid organ sites	09	Diagnosis
201.21	Hodgkin's sarcoma of lymph nodes of head, face, and neck	09	Diagnosis
201.22	Hodgkin's sarcoma of intrathoracic lymph nodes	09	Diagnosis
201.23	Hodgkin's sarcoma of intra-abdominal lymph nodes	09	Diagnosis
201.24	Hodgkin's sarcoma of lymph nodes of axilla and upper limb	09	Diagnosis
201.25	Hodgkin's sarcoma of lymph nodes of inguinal region and lower limb	09	Diagnosis
201.26	Hodgkin's sarcoma of intrapelvic lymph nodes	09	Diagnosis
201.27	Hodgkin's sarcoma of spleen	09	Diagnosis
201.28	Hodgkin's sarcoma of lymph nodes of multiple sites	09	Diagnosis
201.4	Hodgkin's disease, lymphocytic-histiocytic predominance	09	Diagnosis
201.40	Hodgkin's disease, lymphocytic-histiocytic predominance, unspecified site, extranodal and solid	09	Diagnosis
201.41	Hodgkin's disease, lymphocytic-histiocytic predominance of lymph nodes of head, face, and nec	09	Diagnosis
201.42	Hodgkin's disease, lymphocytic-histiocytic predominance of intrathoracic lymph nodes	09	Diagnosis
201.43	Hodgkin's disease, lymphocytic-histiocytic predominance of intra-abdominal lymph nodes	09	Diagnosis
201.44	Hodgkin's disease, lymphocytic-histiocytic predominance of lymph nodes of axilla and upper lim	09	Diagnosis
201.45	Hodgkin's disease, lymphocytic-histiocytic predominance of lymph nodes of inguinal region and	09	Diagnosis
201.46	Hodgkin's disease, lymphocytic-histiocytic predominance of intrapelvic lymph nodes	09	Diagnosis
201.47	Hodgkin's disease, lymphocytic-histiocytic predominance of spleen	09	Diagnosis
201.48	Hodgkin's disease, lymphocytic-histiocytic predominance of lymph nodes of multiple sites	09	Diagnosis
201.5	Hodgkin's disease, nodular sclerosis	09	Diagnosis
201.50	Hodgkin's disease, nodular sclerosis, unspecified site, extranodal and solid organ sites	09	Diagnosis
201.51	Hodgkin's disease, nodular sclerosis, of lymph nodes of head, face, and neck	09	Diagnosis
201.52	Hodgkin's disease, nodular sclerosis, of intrathoracic lymph nodes	09	Diagnosis
201.53	Hodgkin's disease, nodular sclerosis, of intra-abdominal lymph nodes	09	Diagnosis
201.54	Hodgkin's disease, nodular sclerosis, of lymph nodes of axilla and upper limb	09	Diagnosis
201.55	Hodgkin's disease, nodular sclerosis, of lymph nodes of inguinal region and lower limb	09	Diagnosis
201.56	Hodgkin's disease, nodular sclerosis, of intrapelvic lymph nodes	09	Diagnosis
201.57	Hodgkin's disease, nodular sclerosis, of spleen	09	Diagnosis
201.58	Hodgkin's disease, nodular sclerosis, of lymph nodes of multiple sites	09	Diagnosis
201.6	Hodgkin's disease, mixed cellularity	09	Diagnosis
201.60	Hodgkin's disease, mixed cellularity, unspecified site, extranodal and solid organ sites	09	Diagnosis
201.61	Hodgkin's disease, mixed cellularity, involving lymph nodes of head, face, and neck	09	Diagnosis
201.62	Hodgkin's disease, mixed cellularity, of intrathoracic lymph nodes	09	Diagnosis
201.63	Hodgkin's disease, mixed cellularity, of intra-abdominal lymph nodes	09	Diagnosis
201.64	Hodgkin's disease, mixed cellularity, of lymph nodes of axilla and upper limb	09	Diagnosis
201.65	Hodgkin's disease, mixed cellularity, of lymph nodes of inguinal region and lower limb	09	Diagnosis
201.66	Hodgkin's disease, mixed cellularity, of intrapelvic lymph nodes	09	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
201.67	Hodgkin's disease, mixed cellularity, of spleen	09	Diagnosis
201.68	Hodgkin's disease, mixed cellularity, of lymph nodes of multiple sites	09	Diagnosis
201.7	Hodgkin's disease, lymphocytic depletion	09	Diagnosis
201.70	Hodgkin's disease, lymphocytic depletion, unspecified site, extranodal and solid organ sites	09	Diagnosis
201.71	Hodgkin's disease, lymphocytic depletion, of lymph nodes of head, face, and neck	09	Diagnosis
201.72	Hodgkin's disease, lymphocytic depletion, of intrathoracic lymph nodes	09	Diagnosis
201.73	Hodgkin's disease, lymphocytic depletion, of intra-abdominal lymph nodes	09	Diagnosis
201.74	Hodgkin's disease, lymphocytic depletion, of lymph nodes of axilla and upper limb	09	Diagnosis
201.75	Hodgkin's disease, lymphocytic depletion, of lymph nodes of inguinal region and lower limb	09	Diagnosis
201.76	Hodgkin's disease, lymphocytic depletion, of intrapelvic lymph nodes	09	Diagnosis
201.77	Hodgkin's disease, lymphocytic depletion, of spleen	09	Diagnosis
201.78	Hodgkin's disease, lymphocytic depletion, of lymph nodes of multiple sites	09	Diagnosis
201.9	Hodgkin's disease, unspecified type	09	Diagnosis
201.90	Hodgkin's disease, unspecified type, unspecified site, extranodal and solid organ sites	09	Diagnosis
201.91	Hodgkin's disease, unspecified type, of lymph nodes of head, face, and neck	09	Diagnosis
201.92	Hodgkin's disease, unspecified type, of intrathoracic lymph nodes	09	Diagnosis
201.93	Hodgkin's disease, unspecified type, of intra-abdominal lymph nodes	09	Diagnosis
201.94	Hodgkin's disease, unspecified type, of lymph nodes of axilla and upper limb	09	Diagnosis
201.95	Hodgkin's disease, unspecified type, of lymph nodes of inguinal region and lower limb	09	Diagnosis
201.96	Hodgkin's disease, unspecified type, of intrapelvic lymph nodes	09	Diagnosis
201.97	Hodgkin's disease, unspecified type, of spleen	09	Diagnosis
201.98	Hodgkin's disease, unspecified type, of lymph nodes of multiple sites	09	Diagnosis
202.0	Nodular lymphoma	09	Diagnosis
202.00	Nodular lymphoma, unspecified site, extranodal and solid organ sites	09	Diagnosis
202.01	Nodular lymphoma of lymph nodes of head, face, and neck	09	Diagnosis
202.02	Nodular lymphoma of intrathoracic lymph nodes	09	Diagnosis
202.03	Nodular lymphoma of intra-abdominal lymph nodes	09	Diagnosis
202.04	Nodular lymphoma of lymph nodes of axilla and upper limb	09	Diagnosis
202.05	Nodular lymphoma of lymph nodes of inguinal region and lower limb	09	Diagnosis
202.06	Nodular lymphoma of intrapelvic lymph nodes	09	Diagnosis
202.07	Nodular lymphoma of spleen	09	Diagnosis
202.08	Nodular lymphoma of lymph nodes of multiple sites	09	Diagnosis
202.1	Mycosis fungoides	09	Diagnosis
202.10	Mycosis fungoides, unspecified site, extranodal and solid organ sites	09	Diagnosis
202.11	Mycosis fungoides of lymph nodes of head, face, and neck	09	Diagnosis
202.12	Mycosis fungoides of intrathoracic lymph nodes	09	Diagnosis
202.13	Mycosis fungoides of intra-abdominal lymph nodes	09	Diagnosis
202.14	Mycosis fungoides of lymph nodes of axilla and upper limb	09	Diagnosis
202.15	Mycosis fungoides of lymph nodes of inguinal region and lower limb	09	Diagnosis
202.16	Mycosis fungoides of intrapelvic lymph nodes	09	Diagnosis
202.17	Mycosis fungoides of spleen	09	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
202.18	Mycosis fungoides of lymph nodes of multiple sites	09	Diagnosis
202.2	Sezary's disease	09	Diagnosis
202.20	Sezary's disease, unspecified site, extranodal and solid organ sites	09	Diagnosis
202.21	Sezary's disease of lymph nodes of head, face, and neck	09	Diagnosis
202.22	Sezary's disease of intrathoracic lymph nodes	09	Diagnosis
202.23	Sezary's disease of intra-abdominal lymph nodes	09	Diagnosis
202.24	Sezary's disease of lymph nodes of axilla and upper limb	09	Diagnosis
202.25	Sezary's disease of lymph nodes of inguinal region and lower limb	09	Diagnosis
202.26	Sezary's disease of intrapelvic lymph nodes	09	Diagnosis
202.27	Sezary's disease of spleen	09	Diagnosis
202.28	Sezary's disease of lymph nodes of multiple sites	09	Diagnosis
202.4	Leukemic reticuloendotheliosis	09	Diagnosis
202.40	Leukemic reticuloendotheliosis, unspecified site, extranodal and solid organ sites	09	Diagnosis
202.41	Leukemic reticuloendotheliosis of lymph nodes of head, face, and neck	09	Diagnosis
202.42	Leukemic reticuloendotheliosis of intrathoracic lymph nodes	09	Diagnosis
202.43	Leukemic reticuloendotheliosis of intra-abdominal lymph nodes	09	Diagnosis
202.44	Leukemic reticuloendotheliosis of lymph nodes of axilla and upper limb	09	Diagnosis
202.45	Leukemic reticuloendotheliosis of lymph nodes of inguinal region and lower limb	09	Diagnosis
202.46	Leukemic reticuloendotheliosis of intrapelvic lymph nodes	09	Diagnosis
202.47	Leukemic reticuloendotheliosis of spleen	09	Diagnosis
202.48	Leukemic reticuloendotheliosis of lymph nodes of multiple sites	09	Diagnosis
202.7	Peripheral T-cell lymphoma	09	Diagnosis
202.70	Peripheral T-cell lymphoma, unspecified site, extranodal and solid organ sites	09	Diagnosis
202.71	Peripheral T-cell lymphoma, lymph nodes of head, face, and neck	09	Diagnosis
202.72	Peripheral T-cell lymphoma, intrathoracic lymph nodes	09	Diagnosis
202.73	Peripheral T-cell lymphoma, intra-abdominal lymph nodes	09	Diagnosis
202.74	Peripheral T-cell lymphoma, lymph nodes of axilla and upper limb	09	Diagnosis
202.75	Peripheral T-cell lymphoma, lymph nodes of inguinal region and lower limb	09	Diagnosis
202.76	Peripheral T-cell lymphoma, intrapelvic lymph nodes	09	Diagnosis
202.77	Peripheral T-cell lymphoma, spleen	09	Diagnosis
202.78	Peripheral T-cell lymphoma, lymph nodes of multiple sites	09	Diagnosis
202.8	Other malignant lymphomas	09	Diagnosis
202.80	Other malignant lymphomas, unspecified site, extranodal and solid organ sites	09	Diagnosis
202.81	Other malignant lymphomas of lymph nodes of head, face, and neck	09	Diagnosis
202.82	Other malignant lymphomas of intrathoracic lymph nodes	09	Diagnosis
202.83	Other malignant lymphomas of intra-abdominal lymph nodes	09	Diagnosis
202.84	Other malignant lymphomas of lymph nodes of axilla and upper limb	09	Diagnosis
202.85	Other malignant lymphomas of lymph nodes of inguinal region and lower limb	09	Diagnosis
202.86	Other malignant lymphomas of intrapelvic lymph nodes	09	Diagnosis
202.87	Other malignant lymphomas of spleen	09	Diagnosis
202.88	Other malignant lymphomas of lymph nodes of multiple sites	09	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
202.9	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue	09	Diagnosis
202.90	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue, unspecified site,	09	Diagnosis
202.91	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue of lymph nodes o	09	Diagnosis
202.92	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue of intrathoracic l	09	Diagnosis
202.93	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue of intra-abdomin	09	Diagnosis
202.94	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue of lymph nodes o	09	Diagnosis
202.95	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue of lymph nodes o	09	Diagnosis
202.96	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue of intrapelvic lym	09	Diagnosis
202.97	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue of spleen	09	Diagnosis
202.98	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue of lymph nodes o	09	Diagnosis
203.1	Plasma cell leukemia	09	Diagnosis
203.10	Plasma cell leukemia, without mention of having achieved remission	09	Diagnosis
203.11	Plasma cell leukemia in remission	09	Diagnosis
203.12	Plasma cell leukemia, in relapse	09	Diagnosis
204.0	Acute lymphoid leukemia	09	Diagnosis
204.00	Acute lymphoid leukemia, without mention of having achieved remission	09	Diagnosis
204.01	Acute lymphoid leukemia in remission	09	Diagnosis
204.02	Acute lymphoid leukemia, in relapse	09	Diagnosis
204.1	Chronic lymphoid leukemia	09	Diagnosis
204.10	Chronic lymphoid leukemia, without mention of having achieved remission	09	Diagnosis
204.11	Chronic lymphoid leukemia in remission	09	Diagnosis
204.12	Chronic lymphoid leukemia, in relapse	09	Diagnosis
204.2	Subacute lymphoid leukemia	09	Diagnosis
204.20	Subacute lymphoid leukemia, without mention of having achieved remission	09	Diagnosis
204.21	Subacute lymphoid leukemia in remission	09	Diagnosis
204.22	Subacute lymphoid leukemia, in relapse	09	Diagnosis
204.8	Other lymphoid leukemia	09	Diagnosis
204.80	Other lymphoid leukemia, without mention of having achieved remission	09	Diagnosis
204.81	Other lymphoid leukemia in remission	09	Diagnosis
204.82	Other lymphoid leukemia, in relapse	09	Diagnosis
204.9	Unspecified lymphoid leukemia	09	Diagnosis
204.90	Unspecified lymphoid leukemia, without mention of having achieved remission	09	Diagnosis
204.91	Unspecified lymphoid leukemia in remission	09	Diagnosis
204.92	Unspecified lymphoid leukemia, in relapse	09	Diagnosis
205.0	Acute myeloid leukemia	09	Diagnosis
205.00	Acute myeloid leukemia, without mention of having achieved remission	09	Diagnosis
205.01	Acute myeloid leukemia in remission	09	Diagnosis
205.02	Acute myeloid leukemia, in relapse	09	Diagnosis
205.1	Chronic myeloid leukemia	09	Diagnosis
205.10	Chronic myeloid leukemia, without mention of having achieved remission	09	Diagnosis
205.11	Chronic myeloid leukemia in remission	09	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
205.12	Chronic myeloid leukemia, in relapse	09	Diagnosis
205.2	Subacute myeloid leukemia	09	Diagnosis
205.20	Subacute myeloid leukemia, without mention of having achieved remission	09	Diagnosis
205.21	Subacute myeloid leukemia in remission	09	Diagnosis
205.22	Subacute myeloid leukemia, in relapse	09	Diagnosis
205.3	Myeloid sarcoma	09	Diagnosis
205.30	Myeloid sarcoma, without mention of having achieved remission	09	Diagnosis
205.31	Myeloid sarcoma in remission	09	Diagnosis
205.32	Myeloid sarcoma, in relapse	09	Diagnosis
205.8	Other myeloid leukemia	09	Diagnosis
205.80	Other myeloid leukemia, without mention of having achieved remission	09	Diagnosis
205.81	Other myeloid leukemia in remission	09	Diagnosis
205.82	Other myeloid leukemia, in relapse	09	Diagnosis
205.9	Unspecified myeloid leukemia	09	Diagnosis
205.90	Unspecified myeloid leukemia, without mention of having achieved remission	09	Diagnosis
205.91	Unspecified myeloid leukemia in remission	09	Diagnosis
205.92	Unspecified myeloid leukemia, in relapse	09	Diagnosis
206.0	Acute monocytic leukemia	09	Diagnosis
206.00	Acute monocytic leukemia, without mention of having achieved remission	09	Diagnosis
206.01	Acute monocytic leukemia in remission	09	Diagnosis
206.02	Acute monocytic leukemia, in relapse	09	Diagnosis
206.1	Chronic monocytic leukemia	09	Diagnosis
206.10	Chronic monocytic leukemia, without mention of having achieved remission	09	Diagnosis
206.11	Chronic monocytic leukemia in remission	09	Diagnosis
206.12	Chronic monocytic leukemia, in relapse	09	Diagnosis
206.2	Subacute monocytic leukemia	09	Diagnosis
206.20	Subacute monocytic leukemia, without mention of having achieved remission	09	Diagnosis
206.21	Subacute monocytic leukemia in remission	09	Diagnosis
206.22	Subacute monocytic leukemia, in relapse	09	Diagnosis
206.8	Other monocytic leukemia	09	Diagnosis
206.80	Other monocytic leukemia, without mention of having achieved remission	09	Diagnosis
206.81	Other monocytic leukemia in remission	09	Diagnosis
206.82	Other monocytic leukemia, in relapse	09	Diagnosis
206.9	Unspecified monocytic leukemia	09	Diagnosis
206.90	Unspecified monocytic leukemia, without mention of having achieved remission	09	Diagnosis
206.91	Unspecified monocytic leukemia in remission	09	Diagnosis
206.92	Unspecified monocytic leukemia, in relapse	09	Diagnosis
207.0	Acute erythremia and erythroleukemia	09	Diagnosis
207.00	Acute erythremia and erythroleukemia, without mention of having achieved remission	09	Diagnosis
207.01	Acute erythremia and erythroleukemia in remission	09	Diagnosis
207.02	Acute erythremia and erythroleukemia, in relapse	09	Diagnosis
207.2	Megakaryocytic leukemia	09	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
207.20	Megakaryocytic leukemia, without mention of having achieved remission	09	Diagnosis
207.21	Megakaryocytic leukemia in remission	09	Diagnosis
207.22	Megakaryocytic leukemia, in relapse	09	Diagnosis
207.8	Other specified leukemia	09	Diagnosis
207.80	Other specified leukemia, without mention of having achieved remission	09	Diagnosis
207.81	Other specified leukemia in remission	09	Diagnosis
207.82	Other specified leukemia, in relapse	09	Diagnosis
208.0	Acute leukemia of unspecified cell type	09	Diagnosis
208.00	Acute leukemia of unspecified cell type, without mention of having achieved remission	09	Diagnosis
208.01	Acute leukemia of unspecified cell type in remission	09	Diagnosis
208.02	Acute leukemia of unspecified cell type, in relapse	09	Diagnosis
208.1	Chronic leukemia of unspecified cell type	09	Diagnosis
208.10	Chronic leukemia of unspecified cell type, without mention of having achieved remission	09	Diagnosis
208.11	Chronic leukemia of unspecified cell type in remission	09	Diagnosis
208.12	Chronic leukemia of unspecified cell type, in relapse	09	Diagnosis
208.2	Subacute leukemia of unspecified cell type	09	Diagnosis
208.20	Subacute leukemia of unspecified cell type, without mention of having achieved remission	09	Diagnosis
208.21	Subacute leukemia of unspecified cell type in remission	09	Diagnosis
208.22	Subacute leukemia of unspecified cell type, in relapse	09	Diagnosis
208.8	Other leukemia of unspecified cell type	09	Diagnosis
208.80	Other leukemia of unspecified cell type, without mention of having achieved remission	09	Diagnosis
208.81	Other leukemia of unspecified cell type in remission	09	Diagnosis
208.82	Other leukemia of unspecified cell type, in relapse	09	Diagnosis
208.9	Unspecified leukemia	09	Diagnosis
208.90	Unspecified leukemia, without mention of having achieved remission	09	Diagnosis
208.91	Unspecified leukemia in remission	09	Diagnosis
208.92	Unspecified leukemia, in relapse	09	Diagnosis
V10.6	Personal history of leukemia	09	Diagnosis
V10.60	Personal history of unspecified leukemia	09	Diagnosis
V10.61	Personal history of lymphoid leukemia	09	Diagnosis
V10.62	Personal history of myeloid leukemia	09	Diagnosis
V10.63	Personal history of monocytic leukemia	09	Diagnosis
V10.69	Personal history of other leukemia	09	Diagnosis
V10.7	Personal history of other lymphatic and hematopoietic neoplasms	09	Diagnosis
V10.71	Personal history of lymphosarcoma and reticulosarcoma	09	Diagnosis
V10.72	Personal history of Hodgkin's disease	09	Diagnosis
V10.79	Personal history of other lymphatic and hematopoietic neoplasm	09	Diagnosis
C81.00	Nodular lymphocyte predominant Hodgkin lymphoma, unspecified site	10	Diagnosis
C81.01	Nodular lymphocyte predominant Hodgkin lymphoma, lymph nodes of head, face, and neck	10	Diagnosis
C81.02	Nodular lymphocyte predominant Hodgkin lymphoma, intrathoracic lymph nodes	10	Diagnosis
C81.03	Nodular lymphocyte predominant Hodgkin lymphoma, intra-abdominal lymph nodes	10	Diagnosis
C81.04	Nodular lymphocyte predominant Hodgkin lymphoma, lymph nodes of axilla and upper limb	10	Diagnosis



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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
C81.05	Nodular lymphocyte predominant Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	10	Diagnosis
C81.06	Nodular lymphocyte predominant Hodgkin lymphoma, intrapelvic lymph nodes	10	Diagnosis
C81.07	Nodular lymphocyte predominant Hodgkin lymphoma, spleen	10	Diagnosis
C81.08	Nodular lymphocyte predominant Hodgkin lymphoma, lymph nodes of multiple sites	10	Diagnosis
C81.09	Nodular lymphocyte predominant Hodgkin lymphoma, extranodal and solid organ sites	10	Diagnosis
C81.10	Nodular sclerosis Hodgkin lymphoma, unspecified site	10	Diagnosis
C81.11	Nodular sclerosis Hodgkin lymphoma, lymph nodes of head, face, and neck	10	Diagnosis
C81.12	Nodular sclerosis Hodgkin lymphoma, intrathoracic lymph nodes	10	Diagnosis
C81.13	Nodular sclerosis Hodgkin lymphoma, intra-abdominal lymph nodes	10	Diagnosis
C81.14	Nodular sclerosis Hodgkin lymphoma, lymph nodes of axilla and upper limb	10	Diagnosis
C81.15	Nodular sclerosis Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	10	Diagnosis
C81.16	Nodular sclerosis Hodgkin lymphoma, intrapelvic lymph nodes	10	Diagnosis
C81.17	Nodular sclerosis Hodgkin lymphoma, spleen	10	Diagnosis
C81.18	Nodular sclerosis Hodgkin lymphoma, lymph nodes of multiple sites	10	Diagnosis
C81.19	Nodular sclerosis Hodgkin lymphoma, extranodal and solid organ sites	10	Diagnosis
C81.20	Mixed cellularity Hodgkin lymphoma, unspecified site	10	Diagnosis
C81.21	Mixed cellularity Hodgkin lymphoma, lymph nodes of head, face, and neck	10	Diagnosis
C81.22	Mixed cellularity Hodgkin lymphoma, intrathoracic lymph nodes	10	Diagnosis
C81.23	Mixed cellularity Hodgkin lymphoma, intra-abdominal lymph nodes	10	Diagnosis
C81.24	Mixed cellularity Hodgkin lymphoma, lymph nodes of axilla and upper limb	10	Diagnosis
C81.25	Mixed cellularity Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	10	Diagnosis
C81.26	Mixed cellularity Hodgkin lymphoma, intrapelvic lymph nodes	10	Diagnosis
C81.27	Mixed cellularity Hodgkin lymphoma, spleen	10	Diagnosis
C81.28	Mixed cellularity Hodgkin lymphoma, lymph nodes of multiple sites	10	Diagnosis
C81.29	Mixed cellularity Hodgkin lymphoma, extranodal and solid organ sites	10	Diagnosis
C81.30	Lymphocyte depleted Hodgkin lymphoma, unspecified site	10	Diagnosis
C81.31	Lymphocyte depleted Hodgkin lymphoma, lymph nodes of head, face, and neck	10	Diagnosis
C81.32	Lymphocyte depleted Hodgkin lymphoma, intrathoracic lymph nodes	10	Diagnosis
C81.33	Lymphocyte depleted Hodgkin lymphoma, intra-abdominal lymph nodes	10	Diagnosis
C81.34	Lymphocyte depleted Hodgkin lymphoma, lymph nodes of axilla and upper limb	10	Diagnosis
C81.35	Lymphocyte depleted Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	10	Diagnosis
C81.36	Lymphocyte depleted Hodgkin lymphoma, intrapelvic lymph nodes	10	Diagnosis
C81.37	Lymphocyte depleted Hodgkin lymphoma, spleen	10	Diagnosis
C81.38	Lymphocyte depleted Hodgkin lymphoma, lymph nodes of multiple sites	10	Diagnosis
C81.39	Lymphocyte depleted Hodgkin lymphoma, extranodal and solid organ sites	10	Diagnosis
C81.40	Lymphocyte-rich Hodgkin lymphoma, unspecified site	10	Diagnosis
C81.41	Lymphocyte-rich Hodgkin lymphoma, lymph nodes of head, face, and neck	10	Diagnosis
C81.42	Lymphocyte-rich Hodgkin lymphoma, intrathoracic lymph nodes	10	Diagnosis
C81.43	Lymphocyte-rich Hodgkin lymphoma, intra-abdominal lymph nodes	10	Diagnosis
C81.44	Lymphocyte-rich Hodgkin lymphoma, lymph nodes of axilla and upper limb	10	Diagnosis
C81.45	Lymphocyte-rich Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	10	Diagnosis
C81.46	Lymphocyte-rich Hodgkin lymphoma, intrapelvic lymph nodes	10	Diagnosis



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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
C81.47	Lymphocyte-rich Hodgkin lymphoma, spleen	10	Diagnosis
C81.48	Lymphocyte-rich Hodgkin lymphoma, lymph nodes of multiple sites	10	Diagnosis
C81.49	Lymphocyte-rich Hodgkin lymphoma, extranodal and solid organ sites	10	Diagnosis
C81.70	Other Hodgkin lymphoma, unspecified site	10	Diagnosis
C81.71	Other Hodgkin lymphoma, lymph nodes of head, face, and neck	10	Diagnosis
C81.72	Other Hodgkin lymphoma, intrathoracic lymph nodes	10	Diagnosis
C81.73	Other Hodgkin lymphoma, intra-abdominal lymph nodes	10	Diagnosis
C81.74	Other Hodgkin lymphoma, lymph nodes of axilla and upper limb	10	Diagnosis
C81.75	Other Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	10	Diagnosis
C81.76	Other Hodgkin lymphoma, intrapelvic lymph nodes	10	Diagnosis
C81.77	Other Hodgkin lymphoma, spleen	10	Diagnosis
C81.78	Other Hodgkin lymphoma, lymph nodes of multiple sites	10	Diagnosis
C81.79	Other Hodgkin lymphoma, extranodal and solid organ sites	10	Diagnosis
C81.90	Hodgkin lymphoma, unspecified, unspecified site	10	Diagnosis
C81.91	Hodgkin lymphoma, unspecified, lymph nodes of head, face, and neck	10	Diagnosis
C81.92	Hodgkin lymphoma, unspecified, intrathoracic lymph nodes	10	Diagnosis
C81.93	Hodgkin lymphoma, unspecified, intra-abdominal lymph nodes	10	Diagnosis
C81.94	Hodgkin lymphoma, unspecified, lymph nodes of axilla and upper limb	10	Diagnosis
C81.95	Hodgkin lymphoma, unspecified, lymph nodes of inguinal region and lower limb	10	Diagnosis
C81.96	Hodgkin lymphoma, unspecified, intrapelvic lymph nodes	10	Diagnosis
C81.97	Hodgkin lymphoma, unspecified, spleen	10	Diagnosis
C81.98	Hodgkin lymphoma, unspecified, lymph nodes of multiple sites	10	Diagnosis
C81.99	Hodgkin lymphoma, unspecified, extranodal and solid organ sites	10	Diagnosis
C82.00	Follicular lymphoma grade I, unspecified site	10	Diagnosis
C82.01	Follicular lymphoma grade I, lymph nodes of head, face, and neck	10	Diagnosis
C82.02	Follicular lymphoma grade I, intrathoracic lymph nodes	10	Diagnosis
C82.03	Follicular lymphoma grade I, intra-abdominal lymph nodes	10	Diagnosis
C82.04	Follicular lymphoma grade I, lymph nodes of axilla and upper limb	10	Diagnosis
C82.05	Follicular lymphoma grade I, lymph nodes of inguinal region and lower limb	10	Diagnosis
C82.06	Follicular lymphoma grade I, intrapelvic lymph nodes	10	Diagnosis
C82.07	Follicular lymphoma grade I, spleen	10	Diagnosis
C82.08	Follicular lymphoma grade I, lymph nodes of multiple sites	10	Diagnosis
C82.09	Follicular lymphoma grade I, extranodal and solid organ sites	10	Diagnosis
C82.10	Follicular lymphoma grade II, unspecified site	10	Diagnosis
C82.11	Follicular lymphoma grade II, lymph nodes of head, face, and neck	10	Diagnosis
C82.12	Follicular lymphoma grade II, intrathoracic lymph nodes	10	Diagnosis
C82.13	Follicular lymphoma grade II, intra-abdominal lymph nodes	10	Diagnosis
C82.14	Follicular lymphoma grade II, lymph nodes of axilla and upper limb	10	Diagnosis
C82.15	Follicular lymphoma grade II, lymph nodes of inguinal region and lower limb	10	Diagnosis
C82.16	Follicular lymphoma grade II, intrapelvic lymph nodes	10	Diagnosis
C82.17	Follicular lymphoma grade II, spleen	10	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
C82.18	Follicular lymphoma grade II, lymph nodes of multiple sites	10	Diagnosis
C82.19	Follicular lymphoma grade II, extranodal and solid organ sites	10	Diagnosis
C82.20	Follicular lymphoma grade III, unspecified, unspecified site	10	Diagnosis
C82.21	Follicular lymphoma grade III, unspecified, lymph nodes of head, face, and neck	10	Diagnosis
C82.22	Follicular lymphoma grade III, unspecified, intrathoracic lymph nodes	10	Diagnosis
C82.23	Follicular lymphoma grade III, unspecified, intra-abdominal lymph nodes	10	Diagnosis
C82.24	Follicular lymphoma grade III, unspecified, lymph nodes of axilla and upper limb	10	Diagnosis
C82.25	Follicular lymphoma grade III, unspecified, lymph nodes of inguinal region and lower limb	10	Diagnosis
C82.26	Follicular lymphoma grade III, unspecified, intrapelvic lymph nodes	10	Diagnosis
C82.27	Follicular lymphoma grade III, unspecified, spleen	10	Diagnosis
C82.28	Follicular lymphoma grade III, unspecified, lymph nodes of multiple sites	10	Diagnosis
C82.29	Follicular lymphoma grade III, unspecified, extranodal and solid organ sites	10	Diagnosis
C82.30	Follicular lymphoma grade IIIa, unspecified site	10	Diagnosis
C82.31	Follicular lymphoma grade IIIa, lymph nodes of head, face, and neck	10	Diagnosis
C82.32	Follicular lymphoma grade IIIa, intrathoracic lymph nodes	10	Diagnosis
C82.33	Follicular lymphoma grade IIIa, intra-abdominal lymph nodes	10	Diagnosis
C82.34	Follicular lymphoma grade IIIa, lymph nodes of axilla and upper limb	10	Diagnosis
C82.35	Follicular lymphoma grade IIIa, lymph nodes of inguinal region and lower limb	10	Diagnosis
C82.36	Follicular lymphoma grade IIIa, intrapelvic lymph nodes	10	Diagnosis
C82.37	Follicular lymphoma grade IIIa, spleen	10	Diagnosis
C82.38	Follicular lymphoma grade IIIa, lymph nodes of multiple sites	10	Diagnosis
C82.39	Follicular lymphoma grade IIIa, extranodal and solid organ sites	10	Diagnosis
C82.40	Follicular lymphoma grade IIIb, unspecified site	10	Diagnosis
C82.41	Follicular lymphoma grade IIIb, lymph nodes of head, face, and neck	10	Diagnosis
C82.42	Follicular lymphoma grade IIIb, intrathoracic lymph nodes	10	Diagnosis
C82.43	Follicular lymphoma grade IIIb, intra-abdominal lymph nodes	10	Diagnosis
C82.44	Follicular lymphoma grade IIIb, lymph nodes of axilla and upper limb	10	Diagnosis
C82.45	Follicular lymphoma grade IIIb, lymph nodes of inguinal region and lower limb	10	Diagnosis
C82.46	Follicular lymphoma grade IIIb, intrapelvic lymph nodes	10	Diagnosis
C82.47	Follicular lymphoma grade IIIb, spleen	10	Diagnosis
C82.48	Follicular lymphoma grade IIIb, lymph nodes of multiple sites	10	Diagnosis
C82.49	Follicular lymphoma grade IIIb, extranodal and solid organ sites	10	Diagnosis
C82.50	Diffuse follicle center lymphoma, unspecified site	10	Diagnosis
C82.51	Diffuse follicle center lymphoma, lymph nodes of head, face, and neck	10	Diagnosis
C82.52	Diffuse follicle center lymphoma, intrathoracic lymph nodes	10	Diagnosis
C82.53	Diffuse follicle center lymphoma, intra-abdominal lymph nodes	10	Diagnosis
C82.54	Diffuse follicle center lymphoma, lymph nodes of axilla and upper limb	10	Diagnosis
C82.55	Diffuse follicle center lymphoma, lymph nodes of inguinal region and lower limb	10	Diagnosis
C82.56	Diffuse follicle center lymphoma, intrapelvic lymph nodes	10	Diagnosis
C82.57	Diffuse follicle center lymphoma, spleen	10	Diagnosis
C82.58	Diffuse follicle center lymphoma, lymph nodes of multiple sites	10	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
C82.59	Diffuse follicle center lymphoma, extranodal and solid organ sites	10	Diagnosis
C82.60	Cutaneous follicle center lymphoma, unspecified site	10	Diagnosis
C82.61	Cutaneous follicle center lymphoma, lymph nodes of head, face, and neck	10	Diagnosis
C82.62	Cutaneous follicle center lymphoma, intrathoracic lymph nodes	10	Diagnosis
C82.63	Cutaneous follicle center lymphoma, intra-abdominal lymph nodes	10	Diagnosis
C82.64	Cutaneous follicle center lymphoma, lymph nodes of axilla and upper limb	10	Diagnosis
C82.65	Cutaneous follicle center lymphoma, lymph nodes of inguinal region and lower limb	10	Diagnosis
C82.66	Cutaneous follicle center lymphoma, intrapelvic lymph nodes	10	Diagnosis
C82.67	Cutaneous follicle center lymphoma, spleen	10	Diagnosis
C82.68	Cutaneous follicle center lymphoma, lymph nodes of multiple sites	10	Diagnosis
C82.69	Cutaneous follicle center lymphoma, extranodal and solid organ sites	10	Diagnosis
C82.80	Other types of follicular lymphoma, unspecified site	10	Diagnosis
C82.81	Other types of follicular lymphoma, lymph nodes of head, face, and neck	10	Diagnosis
C82.82	Other types of follicular lymphoma, intrathoracic lymph nodes	10	Diagnosis
C82.83	Other types of follicular lymphoma, intra-abdominal lymph nodes	10	Diagnosis
C82.84	Other types of follicular lymphoma, lymph nodes of axilla and upper limb	10	Diagnosis
C82.85	Other types of follicular lymphoma, lymph nodes of inguinal region and lower limb	10	Diagnosis
C82.86	Other types of follicular lymphoma, intrapelvic lymph nodes	10	Diagnosis
C82.87	Other types of follicular lymphoma, spleen	10	Diagnosis
C82.88	Other types of follicular lymphoma, lymph nodes of multiple sites	10	Diagnosis
C82.89	Other types of follicular lymphoma, extranodal and solid organ sites	10	Diagnosis
C82.90	Follicular lymphoma, unspecified, unspecified site	10	Diagnosis
C82.91	Follicular lymphoma, unspecified, lymph nodes of head, face, and neck	10	Diagnosis
C82.92	Follicular lymphoma, unspecified, intrathoracic lymph nodes	10	Diagnosis
C82.93	Follicular lymphoma, unspecified, intra-abdominal lymph nodes	10	Diagnosis
C82.94	Follicular lymphoma, unspecified, lymph nodes of axilla and upper limb	10	Diagnosis
C82.95	Follicular lymphoma, unspecified, lymph nodes of inguinal region and lower limb	10	Diagnosis
C82.96	Follicular lymphoma, unspecified, intrapelvic lymph nodes	10	Diagnosis
C82.97	Follicular lymphoma, unspecified, spleen	10	Diagnosis
C82.98	Follicular lymphoma, unspecified, lymph nodes of multiple sites	10	Diagnosis
C82.99	Follicular lymphoma, unspecified, extranodal and solid organ sites	10	Diagnosis
C83.00	Small cell B-cell lymphoma, unspecified site	10	Diagnosis
C83.01	Small cell B-cell lymphoma, lymph nodes of head, face, and neck	10	Diagnosis
C83.02	Small cell B-cell lymphoma, intrathoracic lymph nodes	10	Diagnosis
C83.03	Small cell B-cell lymphoma, intra-abdominal lymph nodes	10	Diagnosis
C83.04	Small cell B-cell lymphoma, lymph nodes of axilla and upper limb	10	Diagnosis
C83.05	Small cell B-cell lymphoma, lymph nodes of inguinal region and lower limb	10	Diagnosis
C83.06	Small cell B-cell lymphoma, intrapelvic lymph nodes	10	Diagnosis
C83.07	Small cell B-cell lymphoma, spleen	10	Diagnosis
C83.08	Small cell B-cell lymphoma, lymph nodes of multiple sites	10	Diagnosis
C83.09	Small cell B-cell lymphoma, extranodal and solid organ sites	10	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
C83.10	Mantle cell lymphoma, unspecified site	10	Diagnosis
C83.11	Mantle cell lymphoma, lymph nodes of head, face, and neck	10	Diagnosis
C83.12	Mantle cell lymphoma, intrathoracic lymph nodes	10	Diagnosis
C83.13	Mantle cell lymphoma, intra-abdominal lymph nodes	10	Diagnosis
C83.14	Mantle cell lymphoma, lymph nodes of axilla and upper limb	10	Diagnosis
C83.15	Mantle cell lymphoma, lymph nodes of inguinal region and lower limb	10	Diagnosis
C83.16	Mantle cell lymphoma, intrapelvic lymph nodes	10	Diagnosis
C83.17	Mantle cell lymphoma, spleen	10	Diagnosis
C83.18	Mantle cell lymphoma, lymph nodes of multiple sites	10	Diagnosis
C83.19	Mantle cell lymphoma, extranodal and solid organ sites	10	Diagnosis
C83.30	Diffuse large B-cell lymphoma, unspecified site	10	Diagnosis
C83.31	Diffuse large B-cell lymphoma, lymph nodes of head, face, and neck	10	Diagnosis
C83.32	Diffuse large B-cell lymphoma, intrathoracic lymph nodes	10	Diagnosis
C83.33	Diffuse large B-cell lymphoma, intra-abdominal lymph nodes	10	Diagnosis
C83.34	Diffuse large B-cell lymphoma, lymph nodes of axilla and upper limb	10	Diagnosis
C83.35	Diffuse large B-cell lymphoma, lymph nodes of inguinal region and lower limb	10	Diagnosis
C83.36	Diffuse large B-cell lymphoma, intrapelvic lymph nodes	10	Diagnosis
C83.37	Diffuse large B-cell lymphoma, spleen	10	Diagnosis
C83.38	Diffuse large B-cell lymphoma, lymph nodes of multiple sites	10	Diagnosis
C83.39	Diffuse large B-cell lymphoma, extranodal and solid organ sites	10	Diagnosis
C83.50	Lymphoblastic (diffuse) lymphoma, unspecified site	10	Diagnosis
C83.51	Lymphoblastic (diffuse) lymphoma, lymph nodes of head, face, and neck	10	Diagnosis
C83.52	Lymphoblastic (diffuse) lymphoma, intrathoracic lymph nodes	10	Diagnosis
C83.53	Lymphoblastic (diffuse) lymphoma, intra-abdominal lymph nodes	10	Diagnosis
C83.54	Lymphoblastic (diffuse) lymphoma, lymph nodes of axilla and upper limb	10	Diagnosis
C83.55	Lymphoblastic (diffuse) lymphoma, lymph nodes of inguinal region and lower limb	10	Diagnosis
C83.56	Lymphoblastic (diffuse) lymphoma, intrapelvic lymph nodes	10	Diagnosis
C83.57	Lymphoblastic (diffuse) lymphoma, spleen	10	Diagnosis
C83.58	Lymphoblastic (diffuse) lymphoma, lymph nodes of multiple sites	10	Diagnosis
C83.59	Lymphoblastic (diffuse) lymphoma, extranodal and solid organ sites	10	Diagnosis
C83.70	Burkitt lymphoma, unspecified site	10	Diagnosis
C83.71	Burkitt lymphoma, lymph nodes of head, face, and neck	10	Diagnosis
C83.72	Burkitt lymphoma, intrathoracic lymph nodes	10	Diagnosis
C83.73	Burkitt lymphoma, intra-abdominal lymph nodes	10	Diagnosis
C83.74	Burkitt lymphoma, lymph nodes of axilla and upper limb	10	Diagnosis
C83.75	Burkitt lymphoma, lymph nodes of inguinal region and lower limb	10	Diagnosis
C83.76	Burkitt lymphoma, intrapelvic lymph nodes	10	Diagnosis
C83.77	Burkitt lymphoma, spleen	10	Diagnosis
C83.78	Burkitt lymphoma, lymph nodes of multiple sites	10	Diagnosis
C83.79	Burkitt lymphoma, extranodal and solid organ sites	10	Diagnosis
C83.80	Other non-follicular lymphoma, unspecified site	10	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
C83.81	Other non-follicular lymphoma, lymph nodes of head, face, and neck	10	Diagnosis
C83.82	Other non-follicular lymphoma, intrathoracic lymph nodes	10	Diagnosis
C83.83	Other non-follicular lymphoma, intra-abdominal lymph nodes	10	Diagnosis
C83.84	Other non-follicular lymphoma, lymph nodes of axilla and upper limb	10	Diagnosis
C83.85	Other non-follicular lymphoma, lymph nodes of inguinal region and lower limb	10	Diagnosis
C83.86	Other non-follicular lymphoma, intrapelvic lymph nodes	10	Diagnosis
C83.87	Other non-follicular lymphoma, spleen	10	Diagnosis
C83.88	Other non-follicular lymphoma, lymph nodes of multiple sites	10	Diagnosis
C83.89	Other non-follicular lymphoma, extranodal and solid organ sites	10	Diagnosis
C83.90	Non-follicular (diffuse) lymphoma, unspecified, unspecified site	10	Diagnosis
C83.91	Non-follicular (diffuse) lymphoma, unspecified, lymph nodes of head, face, and neck	10	Diagnosis
C83.92	Non-follicular (diffuse) lymphoma, unspecified, intrathoracic lymph nodes	10	Diagnosis
C83.93	Non-follicular (diffuse) lymphoma, unspecified, intra-abdominal lymph nodes	10	Diagnosis
C83.94	Non-follicular (diffuse) lymphoma, unspecified, lymph nodes of axilla and upper limb	10	Diagnosis
C83.95	Non-follicular (diffuse) lymphoma, unspecified, lymph nodes of inguinal region and lower limb	10	Diagnosis
C83.96	Non-follicular (diffuse) lymphoma, unspecified, intrapelvic lymph nodes	10	Diagnosis
C83.97	Non-follicular (diffuse) lymphoma, unspecified, spleen	10	Diagnosis
C83.98	Non-follicular (diffuse) lymphoma, unspecified, lymph nodes of multiple sites	10	Diagnosis
C83.99	Non-follicular (diffuse) lymphoma, unspecified, extranodal and solid organ sites	10	Diagnosis
C84.00	Mycosis fungoides, unspecified site	10	Diagnosis
C84.01	Mycosis fungoides, lymph nodes of head, face, and neck	10	Diagnosis
C84.02	Mycosis fungoides, intrathoracic lymph nodes	10	Diagnosis
C84.03	Mycosis fungoides, intra-abdominal lymph nodes	10	Diagnosis
C84.04	Mycosis fungoides, lymph nodes of axilla and upper limb	10	Diagnosis
C84.05	Mycosis fungoides, lymph nodes of inguinal region and lower limb	10	Diagnosis
C84.06	Mycosis fungoides, intrapelvic lymph nodes	10	Diagnosis
C84.07	Mycosis fungoides, spleen	10	Diagnosis
C84.08	Mycosis fungoides, lymph nodes of multiple sites	10	Diagnosis
C84.09	Mycosis fungoides, extranodal and solid organ sites	10	Diagnosis
C84.10	Sezary disease, unspecified site	10	Diagnosis
C84.11	Sezary disease, lymph nodes of head, face, and neck	10	Diagnosis
C84.12	Sezary disease, intrathoracic lymph nodes	10	Diagnosis
C84.13	Sezary disease, intra-abdominal lymph nodes	10	Diagnosis
C84.14	Sezary disease, lymph nodes of axilla and upper limb	10	Diagnosis
C84.15	Sezary disease, lymph nodes of inguinal region and lower limb	10	Diagnosis
C84.16	Sezary disease, intrapelvic lymph nodes	10	Diagnosis
C84.17	Sezary disease, spleen	10	Diagnosis
C84.18	Sezary disease, lymph nodes of multiple sites	10	Diagnosis
C84.19	Sezary disease, extranodal and solid organ sites	10	Diagnosis
C84.40	Peripheral T-cell lymphoma, not classified, unspecified site	10	Diagnosis
C84.41	Peripheral T-cell lymphoma, not classified, lymph nodes of head, face, and neck	10	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
C84.42	Peripheral T-cell lymphoma, not classified, intrathoracic lymph nodes	10	Diagnosis
C84.43	Peripheral T-cell lymphoma, not classified, intra-abdominal lymph nodes	10	Diagnosis
C84.44	Peripheral T-cell lymphoma, not classified, lymph nodes of axilla and upper limb	10	Diagnosis
C84.45	Peripheral T-cell lymphoma, not classified, lymph nodes of inguinal region and lower limb	10	Diagnosis
C84.46	Peripheral T-cell lymphoma, not classified, intrapelvic lymph nodes	10	Diagnosis
C84.47	Peripheral T-cell lymphoma, not classified, spleen	10	Diagnosis
C84.48	Peripheral T-cell lymphoma, not classified, lymph nodes of multiple sites	10	Diagnosis
C84.49	Peripheral T-cell lymphoma, not classified, extranodal and solid organ sites	10	Diagnosis
C84.60	Anaplastic large cell lymphoma, ALK-positive, unspecified site	10	Diagnosis
C84.61	Anaplastic large cell lymphoma, ALK-positive, lymph nodes of head, face, and neck	10	Diagnosis
C84.62	Anaplastic large cell lymphoma, ALK-positive, intrathoracic lymph nodes	10	Diagnosis
C84.63	Anaplastic large cell lymphoma, ALK-positive, intra-abdominal lymph nodes	10	Diagnosis
C84.64	Anaplastic large cell lymphoma, ALK-positive, lymph nodes of axilla and upper limb	10	Diagnosis
C84.65	Anaplastic large cell lymphoma, ALK-positive, lymph nodes of inguinal region and lower limb	10	Diagnosis
C84.66	Anaplastic large cell lymphoma, ALK-positive, intrapelvic lymph nodes	10	Diagnosis
C84.67	Anaplastic large cell lymphoma, ALK-positive, spleen	10	Diagnosis
C84.68	Anaplastic large cell lymphoma, ALK-positive, lymph nodes of multiple sites	10	Diagnosis
C84.69	Anaplastic large cell lymphoma, ALK-positive, extranodal and solid organ sites	10	Diagnosis
C84.70	Anaplastic large cell lymphoma, ALK-negative, unspecified site	10	Diagnosis
C84.71	Anaplastic large cell lymphoma, ALK-negative, lymph nodes of head, face, and neck	10	Diagnosis
C84.72	Anaplastic large cell lymphoma, ALK-negative, intrathoracic lymph nodes	10	Diagnosis
C84.73	Anaplastic large cell lymphoma, ALK-negative, intra-abdominal lymph nodes	10	Diagnosis
C84.74	Anaplastic large cell lymphoma, ALK-negative, lymph nodes of axilla and upper limb	10	Diagnosis
C84.75	Anaplastic large cell lymphoma, ALK-negative, lymph nodes of inguinal region and lower limb	10	Diagnosis
C84.76	Anaplastic large cell lymphoma, ALK-negative, intrapelvic lymph nodes	10	Diagnosis
C84.77	Anaplastic large cell lymphoma, ALK-negative, spleen	10	Diagnosis
C84.78	Anaplastic large cell lymphoma, ALK-negative, lymph nodes of multiple sites	10	Diagnosis
C84.79	Anaplastic large cell lymphoma, ALK-negative, extranodal and solid organ sites	10	Diagnosis
C84.90	Mature T/NK-cell lymphomas, unspecified, unspecified site	10	Diagnosis
C84.91	Mature T/NK-cell lymphomas, unspecified, lymph nodes of head, face, and neck	10	Diagnosis
C84.92	Mature T/NK-cell lymphomas, unspecified, intrathoracic lymph nodes	10	Diagnosis
C84.93	Mature T/NK-cell lymphomas, unspecified, intra-abdominal lymph nodes	10	Diagnosis
C84.94	Mature T/NK-cell lymphomas, unspecified, lymph nodes of axilla and upper limb	10	Diagnosis
C84.95	Mature T/NK-cell lymphomas, unspecified, lymph nodes of inguinal region and lower limb	10	Diagnosis
C84.96	Mature T/NK-cell lymphomas, unspecified, intrapelvic lymph nodes	10	Diagnosis
C84.97	Mature T/NK-cell lymphomas, unspecified, spleen	10	Diagnosis
C84.98	Mature T/NK-cell lymphomas, unspecified, lymph nodes of multiple sites	10	Diagnosis
C84.99	Mature T/NK-cell lymphomas, unspecified, extranodal and solid organ sites	10	Diagnosis
C84.A0	Cutaneous T-cell lymphoma, unspecified, unspecified site	10	Diagnosis
C84.A1	Cutaneous T-cell lymphoma, unspecified lymph nodes of head, face, and neck	10	Diagnosis
C84.A2	Cutaneous T-cell lymphoma, unspecified, intrathoracic lymph nodes	10	Diagnosis



**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
C84.A3	Cutaneous T-cell lymphoma, unspecified, intra-abdominal lymph nodes	10	Diagnosis
C84.A4	Cutaneous T-cell lymphoma, unspecified, lymph nodes of axilla and upper limb	10	Diagnosis
C84.A5	Cutaneous T-cell lymphoma, unspecified, lymph nodes of inguinal region and lower limb	10	Diagnosis
C84.A6	Cutaneous T-cell lymphoma, unspecified, intrapelvic lymph nodes	10	Diagnosis
C84.A7	Cutaneous T-cell lymphoma, unspecified, spleen	10	Diagnosis
C84.A8	Cutaneous T-cell lymphoma, unspecified, lymph nodes of multiple sites	10	Diagnosis
C84.A9	Cutaneous T-cell lymphoma, unspecified, extranodal and solid organ sites	10	Diagnosis
C84.Z0	Other mature T/NK-cell lymphomas, unspecified site	10	Diagnosis
C84.Z1	Other mature T/NK-cell lymphomas, lymph nodes of head, face, and neck	10	Diagnosis
C84.Z2	Other mature T/NK-cell lymphomas, intrathoracic lymph nodes	10	Diagnosis
C84.Z3	Other mature T/NK-cell lymphomas, intra-abdominal lymph nodes	10	Diagnosis
C84.Z4	Other mature T/NK-cell lymphomas, lymph nodes of axilla and upper limb	10	Diagnosis
C84.Z5	Other mature T/NK-cell lymphomas, lymph nodes of inguinal region and lower limb	10	Diagnosis
C84.Z6	Other mature T/NK-cell lymphomas, intrapelvic lymph nodes	10	Diagnosis
C84.Z7	Other mature T/NK-cell lymphomas, spleen	10	Diagnosis
C84.Z8	Other mature T/NK-cell lymphomas, lymph nodes of multiple sites	10	Diagnosis
C84.Z9	Other mature T/NK-cell lymphomas, extranodal and solid organ sites	10	Diagnosis
C85.10	Unspecified B-cell lymphoma, unspecified site	10	Diagnosis
C85.11	Unspecified B-cell lymphoma, lymph nodes of head, face, and neck	10	Diagnosis
C85.12	Unspecified B-cell lymphoma, intrathoracic lymph nodes	10	Diagnosis
C85.13	Unspecified B-cell lymphoma, intra-abdominal lymph nodes	10	Diagnosis
C85.14	Unspecified B-cell lymphoma, lymph nodes of axilla and upper limb	10	Diagnosis
C85.15	Unspecified B-cell lymphoma, lymph nodes of inguinal region and lower limb	10	Diagnosis
C85.16	Unspecified B-cell lymphoma, intrapelvic lymph nodes	10	Diagnosis
C85.17	Unspecified B-cell lymphoma, spleen	10	Diagnosis
C85.18	Unspecified B-cell lymphoma, lymph nodes of multiple sites	10	Diagnosis
C85.19	Unspecified B-cell lymphoma, extranodal and solid organ sites	10	Diagnosis
C85.20	Mediastinal (thymic) large B-cell lymphoma, unspecified site	10	Diagnosis
C85.21	Mediastinal (thymic) large B-cell lymphoma, lymph nodes of head, face, and neck	10	Diagnosis
C85.22	Mediastinal (thymic) large B-cell lymphoma, intrathoracic lymph nodes	10	Diagnosis
C85.23	Mediastinal (thymic) large B-cell lymphoma, intra-abdominal lymph nodes	10	Diagnosis
C85.24	Mediastinal (thymic) large B-cell lymphoma, lymph nodes of axilla and upper limb	10	Diagnosis
C85.25	Mediastinal (thymic) large B-cell lymphoma, lymph nodes of inguinal region and lower limb	10	Diagnosis
C85.26	Mediastinal (thymic) large B-cell lymphoma, intrapelvic lymph nodes	10	Diagnosis
C85.27	Mediastinal (thymic) large B-cell lymphoma, spleen	10	Diagnosis
C85.28	Mediastinal (thymic) large B-cell lymphoma, lymph nodes of multiple sites	10	Diagnosis
C85.29	Mediastinal (thymic) large B-cell lymphoma, extranodal and solid organ sites	10	Diagnosis
C85.80	Other specified types of non-Hodgkin lymphoma, unspecified site	10	Diagnosis
C85.81	Other specified types of non-Hodgkin lymphoma, lymph nodes of head, face, and neck	10	Diagnosis
C85.82	Other specified types of non-Hodgkin lymphoma, intrathoracic lymph nodes	10	Diagnosis
C85.83	Other specified types of non-Hodgkin lymphoma, intra-abdominal lymph nodes	10	Diagnosis
C85.84	Other specified types of non-Hodgkin lymphoma, lymph nodes of axilla and upper limb	10	Diagnosis



**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
C85.85	Other specified types of non-Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	10	Diagnosis
C85.86	Other specified types of non-Hodgkin lymphoma, intrapelvic lymph nodes	10	Diagnosis
C85.87	Other specified types of non-Hodgkin lymphoma, spleen	10	Diagnosis
C85.88	Other specified types of non-Hodgkin lymphoma, lymph nodes of multiple sites	10	Diagnosis
C85.89	Other specified types of non-Hodgkin lymphoma, extranodal and solid organ sites	10	Diagnosis
C85.90	Non-Hodgkin lymphoma, unspecified, unspecified site	10	Diagnosis
C85.91	Non-Hodgkin lymphoma, unspecified, lymph nodes of head, face, and neck	10	Diagnosis
C85.92	Non-Hodgkin lymphoma, unspecified, intrathoracic lymph nodes	10	Diagnosis
C85.93	Non-Hodgkin lymphoma, unspecified, intra-abdominal lymph nodes	10	Diagnosis
C85.94	Non-Hodgkin lymphoma, unspecified, lymph nodes of axilla and upper limb	10	Diagnosis
C85.95	Non-Hodgkin lymphoma, unspecified, lymph nodes of inguinal region and lower limb	10	Diagnosis
C85.96	Non-Hodgkin lymphoma, unspecified, intrapelvic lymph nodes	10	Diagnosis
C85.97	Non-Hodgkin lymphoma, unspecified, spleen	10	Diagnosis
C85.98	Non-Hodgkin lymphoma, unspecified, lymph nodes of multiple sites	10	Diagnosis
C85.99	Non-Hodgkin lymphoma, unspecified, extranodal and solid organ sites	10	Diagnosis
C86.0	Extranodal NK/T-cell lymphoma, nasal type	10	Diagnosis
C86.1	Hepatosplenic T-cell lymphoma	10	Diagnosis
C86.2	Enteropathy-type (intestinal) T-cell lymphoma	10	Diagnosis
C86.3	Subcutaneous panniculitis-like T-cell lymphoma	10	Diagnosis
C86.4	Blastic NK-cell lymphoma	10	Diagnosis
C86.5	Angioimmunoblastic T-cell lymphoma	10	Diagnosis
C86.6	Primary cutaneous CD30-positive T-cell proliferations	10	Diagnosis
C88.4	Extranodal marginal zone B-cell lymphoma of mucosa-associated lymphoid tissue [MALT-lymphoma]	10	Diagnosis
C90.10	Plasma cell leukemia not having achieved remission	10	Diagnosis
C90.11	Plasma cell leukemia in remission	10	Diagnosis
C90.12	Plasma cell leukemia in relapse	10	Diagnosis
C91.00	Acute lymphoblastic leukemia not having achieved remission	10	Diagnosis
C91.01	Acute lymphoblastic leukemia, in remission	10	Diagnosis
C91.02	Acute lymphoblastic leukemia, in relapse	10	Diagnosis
C91.10	Chronic lymphocytic leukemia of B-cell type not having achieved remission	10	Diagnosis
C91.11	Chronic lymphocytic leukemia of B-cell type in remission	10	Diagnosis
C91.12	Chronic lymphocytic leukemia of B-cell type in relapse	10	Diagnosis
C91.30	Prolymphocytic leukemia of B-cell type not having achieved remission	10	Diagnosis
C91.31	Prolymphocytic leukemia of B-cell type, in remission	10	Diagnosis
C91.32	Prolymphocytic leukemia of B-cell type, in relapse	10	Diagnosis
C91.40	Hairy cell leukemia not having achieved remission	10	Diagnosis
C91.41	Hairy cell leukemia, in remission	10	Diagnosis
C91.42	Hairy cell leukemia, in relapse	10	Diagnosis
C91.50	Adult T-cell lymphoma/leukemia (HTLV-1-associated) not having achieved remission	10	Diagnosis
C91.51	Adult T-cell lymphoma/leukemia (HTLV-1-associated), in remission	10	Diagnosis
C91.52	Adult T-cell lymphoma/leukemia (HTLV-1-associated), in relapse	10	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
C91.60	Prolymphocytic leukemia of T-cell type not having achieved remission	10	Diagnosis
C91.61	Prolymphocytic leukemia of T-cell type, in remission	10	Diagnosis
C91.62	Prolymphocytic leukemia of T-cell type, in relapse	10	Diagnosis
C91.90	Lymphoid leukemia, unspecified not having achieved remission	10	Diagnosis
C91.91	Lymphoid leukemia, unspecified, in remission	10	Diagnosis
C91.92	Lymphoid leukemia, unspecified, in relapse	10	Diagnosis
C91.A0	Mature B-cell leukemia Burkitt-type not having achieved remission	10	Diagnosis
C91.A1	Mature B-cell leukemia Burkitt-type, in remission	10	Diagnosis
C91.A2	Mature B-cell leukemia Burkitt-type, in relapse	10	Diagnosis
C91.Z0	Other lymphoid leukemia not having achieved remission	10	Diagnosis
C91.Z1	Other lymphoid leukemia, in remission	10	Diagnosis
C91.Z2	Other lymphoid leukemia, in relapse	10	Diagnosis
C92.00	Acute myeloblastic leukemia, not having achieved remission	10	Diagnosis
C92.01	Acute myeloblastic leukemia, in remission	10	Diagnosis
C92.02	Acute myeloblastic leukemia, in relapse	10	Diagnosis
C92.10	Chronic myeloid leukemia, BCR/ABL-positive, not having achieved remission	10	Diagnosis
C92.11	Chronic myeloid leukemia, BCR/ABL-positive, in remission	10	Diagnosis
C92.12	Chronic myeloid leukemia, BCR/ABL-positive, in relapse	10	Diagnosis
C92.20	Atypical chronic myeloid leukemia, BCR/ABL-negative, not having achieved remission	10	Diagnosis
C92.21	Atypical chronic myeloid leukemia, BCR/ABL-negative, in remission	10	Diagnosis
C92.22	Atypical chronic myeloid leukemia, BCR/ABL-negative, in relapse	10	Diagnosis
C92.30	Myeloid sarcoma, not having achieved remission	10	Diagnosis
C92.31	Myeloid sarcoma, in remission	10	Diagnosis
C92.32	Myeloid sarcoma, in relapse	10	Diagnosis
C92.40	Acute promyelocytic leukemia, not having achieved remission	10	Diagnosis
C92.41	Acute promyelocytic leukemia, in remission	10	Diagnosis
C92.42	Acute promyelocytic leukemia, in relapse	10	Diagnosis
C92.50	Acute myelomonocytic leukemia, not having achieved remission	10	Diagnosis
C92.51	Acute myelomonocytic leukemia, in remission	10	Diagnosis
C92.52	Acute myelomonocytic leukemia, in relapse	10	Diagnosis
C92.60	Acute myeloid leukemia with 11q23-abnormality not having achieved remission	10	Diagnosis
C92.61	Acute myeloid leukemia with 11q23-abnormality in remission	10	Diagnosis
C92.62	Acute myeloid leukemia with 11q23-abnormality in relapse	10	Diagnosis
C92.90	Myeloid leukemia, unspecified, not having achieved remission	10	Diagnosis
C92.91	Myeloid leukemia, unspecified in remission	10	Diagnosis
C92.92	Myeloid leukemia, unspecified in relapse	10	Diagnosis
C92.A0	Acute myeloid leukemia with multilineage dysplasia, not having achieved remission	10	Diagnosis
C92.A1	Acute myeloid leukemia with multilineage dysplasia, in remission	10	Diagnosis
C92.A2	Acute myeloid leukemia with multilineage dysplasia, in relapse	10	Diagnosis
C92.Z0	Other myeloid leukemia not having achieved remission	10	Diagnosis
C92.Z1	Other myeloid leukemia, in remission	10	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
C92.Z2	Other myeloid leukemia, in relapse	10	Diagnosis
C93.00	Acute monoblastic/monocytic leukemia, not having achieved remission	10	Diagnosis
C93.01	Acute monoblastic/monocytic leukemia, in remission	10	Diagnosis
C93.02	Acute monoblastic/monocytic leukemia, in relapse	10	Diagnosis
C93.10	Chronic myelomonocytic leukemia not having achieved remission	10	Diagnosis
C93.11	Chronic myelomonocytic leukemia, in remission	10	Diagnosis
C93.12	Chronic myelomonocytic leukemia, in relapse	10	Diagnosis
C93.30	Juvenile myelomonocytic leukemia, not having achieved remission	10	Diagnosis
C93.31	Juvenile myelomonocytic leukemia, in remission	10	Diagnosis
C93.32	Juvenile myelomonocytic leukemia, in relapse	10	Diagnosis
C93.90	Monocytic leukemia, unspecified, not having achieved remission	10	Diagnosis
C93.91	Monocytic leukemia, unspecified in remission	10	Diagnosis
C93.92	Monocytic leukemia, unspecified in relapse	10	Diagnosis
C93.Z0	Other monocytic leukemia, not having achieved remission	10	Diagnosis
C93.Z1	Other monocytic leukemia, in remission	10	Diagnosis
C93.Z2	Other monocytic leukemia, in relapse	10	Diagnosis
C94.00	Acute erythroid leukemia, not having achieved remission	10	Diagnosis
C94.01	Acute erythroid leukemia, in remission	10	Diagnosis
C94.02	Acute erythroid leukemia, in relapse	10	Diagnosis
C94.20	Acute megakaryoblastic leukemia not having achieved remission	10	Diagnosis
C94.21	Acute megakaryoblastic leukemia, in remission	10	Diagnosis
C94.22	Acute megakaryoblastic leukemia, in relapse	10	Diagnosis
C94.30	Mast cell leukemia not having achieved remission	10	Diagnosis
C94.31	Mast cell leukemia, in remission	10	Diagnosis
C94.32	Mast cell leukemia, in relapse	10	Diagnosis
C94.80	Other specified leukemias not having achieved remission	10	Diagnosis
C94.81	Other specified leukemias, in remission	10	Diagnosis
C94.82	Other specified leukemias, in relapse	10	Diagnosis
C95.00	Acute leukemia of unspecified cell type not having achieved remission	10	Diagnosis
C95.01	Acute leukemia of unspecified cell type, in remission	10	Diagnosis
C95.02	Acute leukemia of unspecified cell type, in relapse	10	Diagnosis
C95.10	Chronic leukemia of unspecified cell type not having achieved remission	10	Diagnosis
C95.11	Chronic leukemia of unspecified cell type, in remission	10	Diagnosis
C95.12	Chronic leukemia of unspecified cell type, in relapse	10	Diagnosis
C95.90	Leukemia, unspecified not having achieved remission	10	Diagnosis
C95.91	Leukemia, unspecified, in remission	10	Diagnosis
C95.92	Leukemia, unspecified, in relapse	10	Diagnosis
C96.4	Sarcoma of dendritic cells (accessory cells)	10	Diagnosis
C96.9	Malignant neoplasm of lymphoid, hematopoietic and related tissue, unspecified	10	Diagnosis
C96.Z	Other specified malignant neoplasms of lymphoid, hematopoietic and related tissue	10	Diagnosis
Z85.6	Personal history of leukemia	10	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
Z85.71	Personal history of Hodgkin lymphoma	10	Diagnosis
Z85.79	Personal history of other malignant neoplasms of lymphoid, hematopoietic and related tissues	10	Diagnosis
<b>Obesity</b>			
278.00	Obesity, unspecified	09	Diagnosis
278.01	Morbid obesity	09	Diagnosis
278.02	Overweight	09	Diagnosis
278.03	Obesity hypoventilation syndrome	09	Diagnosis
649.1	Obesity complicating pregnancy, childbirth, or the puerperium	09	Diagnosis
649.10	Obesity complicating pregnancy, childbirth, or the puerperium, unspecified as to episode of care or not applicable	09	Diagnosis
649.11	Obesity complicating pregnancy, childbirth, or the puerperium, delivered, with or without mention of antepartum condition	09	Diagnosis
649.12	Obesity complicating pregnancy, childbirth, or the puerperium, delivered, with mention of postpartum complication	09	Diagnosis
649.13	Obesity complicating pregnancy, childbirth, or the puerperium, antepartum condition or complication	09	Diagnosis
649.14	Obesity complicating pregnancy, childbirth, or the puerperium, postpartum condition or complication	09	Diagnosis
V85.3	Body Mass Index between 30-39, adult	09	Diagnosis
V85.30	Body Mass Index 30.0-30.9, adult	09	Diagnosis
V85.31	Body Mass Index 31.0-31.9, adult	09	Diagnosis
V85.32	Body Mass Index 32.0-32.9, adult	09	Diagnosis
V85.33	Body Mass Index 33.0-33.9, adult	09	Diagnosis
V85.34	Body Mass Index 34.0-34.9, adult	09	Diagnosis
V85.35	Body Mass Index 35.0-35.9, adult	09	Diagnosis
V85.36	Body Mass Index 36.0-36.9, adult	09	Diagnosis
V85.37	Body Mass Index 37.0-37.9, adult	09	Diagnosis
V85.38	Body Mass Index 38.0-38.9, adult	09	Diagnosis
V85.39	Body Mass Index 39.0-39.9, adult	09	Diagnosis
V85.4	Body Mass Index 40 and over, adult	09	Diagnosis
V85.41	Body Mass Index 40.0-44.9, adult	09	Diagnosis
V85.42	Body Mass Index 45.0-49.9, adult	09	Diagnosis
V85.43	Body Mass Index 50.0-59.9, adult	09	Diagnosis
V85.44	Body Mass Index 60.0-69.9, adult	09	Diagnosis
V85.45	Body Mass Index 70 and over, adult	09	Diagnosis
E66.01	Morbid (severe) obesity due to excess calories	10	Diagnosis
E66.09	Other obesity due to excess calories	10	Diagnosis
E66.1	Drug-induced obesity	10	Diagnosis
E66.2	Morbid (severe) obesity with alveolar hypoventilation	10	Diagnosis
E66.3	Overweight	10	Diagnosis
E66.8	Other obesity	10	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
E66.9	Obesity, unspecified	10	Diagnosis
O99.210	Obesity complicating pregnancy, unspecified trimester	10	Diagnosis
O99.211	Obesity complicating pregnancy, first trimester	10	Diagnosis
O99.212	Obesity complicating pregnancy, second trimester	10	Diagnosis
O99.213	Obesity complicating pregnancy, third trimester	10	Diagnosis
O99.214	Obesity complicating childbirth	10	Diagnosis
O99.215	Obesity complicating the puerperium	10	Diagnosis
Z68.30	Body mass index (BMI) 30.0-30.9, adult	10	Diagnosis
Z68.31	Body mass index (BMI) 31.0-31.9, adult	10	Diagnosis
Z68.32	Body mass index (BMI) 32.0-32.9, adult	10	Diagnosis
Z68.33	Body mass index (BMI) 33.0-33.9, adult	10	Diagnosis
Z68.34	Body mass index (BMI) 34.0-34.9, adult	10	Diagnosis
Z68.35	Body mass index (BMI) 35.0-35.9, adult	10	Diagnosis
Z68.36	Body mass index (BMI) 36.0-36.9, adult	10	Diagnosis
Z68.37	Body mass index (BMI) 37.0-37.9, adult	10	Diagnosis
Z68.38	Body mass index (BMI) 38.0-38.9, adult	10	Diagnosis
Z68.39	Body mass index (BMI) 39.0-39.9, adult	10	Diagnosis
Z68.41	Body mass index (BMI) 40.0-44.9, adult	10	Diagnosis
Z68.42	Body mass index (BMI) 45.0-49.9, adult	10	Diagnosis
Z68.43	Body mass index (BMI) 50.0-59.9, adult	10	Diagnosis
Z68.44	Body mass index (BMI) 60.0-69.9, adult	10	Diagnosis
Z68.45	Body mass index (BMI) 70 or greater, adult	10	Diagnosis
<b>Preexisting Diabetes</b>			
250.0	Diabetes mellitus without mention of complication	09	Diagnosis
250.00	Diabetes mellitus without mention of complication, type II or unspecified type, not stated as uncontrolled	09	Diagnosis
250.01	Diabetes mellitus without mention of complication, type I [juvenile type], not stated as uncontrolled	09	Diagnosis
250.02	Diabetes mellitus without mention of complication, type II or unspecified type, uncontrolled	09	Diagnosis
250.03	Diabetes mellitus without mention of complication, type I [juvenile type], uncontrolled	09	Diagnosis
250.1	Diabetes with ketoacidosis	09	Diagnosis
250.10	Diabetes with ketoacidosis, type II or unspecified type, not stated as uncontrolled	09	Diagnosis
250.11	Diabetes with ketoacidosis, type I [juvenile type], not stated as uncontrolled	09	Diagnosis
250.12	Diabetes with ketoacidosis, type II or unspecified type, uncontrolled	09	Diagnosis
250.13	Diabetes with ketoacidosis, type I [juvenile type], uncontrolled	09	Diagnosis
250.2	Diabetes with hyperosmolarity	09	Diagnosis
250.20	Diabetes with hyperosmolarity, type II or unspecified type, not stated as uncontrolled	09	Diagnosis
250.21	Diabetes with hyperosmolarity, type I [juvenile type], not stated as uncontrolled	09	Diagnosis
250.22	Diabetes with hyperosmolarity, type II or unspecified type, uncontrolled	09	Diagnosis
250.23	Diabetes with hyperosmolarity, type I [juvenile type], uncontrolled	09	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
250.3	Diabetes with other coma	09	Diagnosis
250.30	Diabetes with other coma, type II or unspecified type, not stated as uncontrolled	09	Diagnosis
250.31	Diabetes with other coma, type I [juvenile type], not stated as uncontrolled	09	Diagnosis
250.32	Diabetes with other coma, type II or unspecified type, uncontrolled	09	Diagnosis
250.33	Diabetes with other coma, type I [juvenile type], uncontrolled	09	Diagnosis
250.4	Diabetes with renal manifestations	09	Diagnosis
250.40	Diabetes with renal manifestations, type II or unspecified type, not stated as uncontrolled	09	Diagnosis
250.41	Diabetes with renal manifestations, type I [juvenile type], not stated as uncontrolled	09	Diagnosis
250.42	Diabetes with renal manifestations, type II or unspecified type, uncontrolled	09	Diagnosis
250.43	Diabetes with renal manifestations, type I [juvenile type], uncontrolled	09	Diagnosis
250.5	Diabetes with ophthalmic manifestations	09	Diagnosis
250.50	Diabetes with ophthalmic manifestations, type II or unspecified type, not stated as uncontrolled	09	Diagnosis
250.51	Diabetes with ophthalmic manifestations, type I [juvenile type], not stated as uncontrolled	09	Diagnosis
250.52	Diabetes with ophthalmic manifestations, type II or unspecified type, uncontrolled	09	Diagnosis
250.53	Diabetes with ophthalmic manifestations, type I [juvenile type], uncontrolled	09	Diagnosis
250.6	Diabetes with neurological manifestations	09	Diagnosis
250.60	Diabetes with neurological manifestations, type II or unspecified type, not stated as uncontrolled	09	Diagnosis
250.61	Diabetes with neurological manifestations, type I [juvenile type], not stated as uncontrolled	09	Diagnosis
250.62	Diabetes with neurological manifestations, type II or unspecified type, uncontrolled	09	Diagnosis
250.63	Diabetes with neurological manifestations, type I [juvenile type], uncontrolled	09	Diagnosis
250.7	Diabetes with peripheral circulatory disorders	09	Diagnosis
250.70	Diabetes with peripheral circulatory disorders, type II or unspecified type, not stated as uncontrolled	09	Diagnosis
250.71	Diabetes with peripheral circulatory disorders, type I [juvenile type], not stated as uncontrolled	09	Diagnosis
250.72	Diabetes with peripheral circulatory disorders, type II or unspecified type, uncontrolled	09	Diagnosis
250.73	Diabetes with peripheral circulatory disorders, type I [juvenile type], uncontrolled	09	Diagnosis
250.8	Diabetes with other specified manifestations	09	Diagnosis
250.80	Diabetes with other specified manifestations, type II or unspecified type, not stated as uncontrolled	09	Diagnosis
250.81	Diabetes with other specified manifestations, type I [juvenile type], not stated as uncontrolled	09	Diagnosis
250.82	Diabetes with other specified manifestations, type II or unspecified type, uncontrolled	09	Diagnosis
250.83	Diabetes with other specified manifestations, type I [juvenile type], uncontrolled	09	Diagnosis
250.9	Diabetes with unspecified complication	09	Diagnosis



**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
250.90	Diabetes with unspecified complication, type II or unspecified type, not stated as uncontrolled	09	Diagnosis
250.91	Diabetes with unspecified complication, type I [juvenile type], not stated as uncontrolled	09	Diagnosis
250.92	Diabetes with unspecified complication, type II or unspecified type, uncontrolled	09	Diagnosis
250.93	Diabetes with unspecified complication, type I [juvenile type], uncontrolled	09	Diagnosis
648.0	Maternal diabetes mellitus complicating pregnancy, childbirth, or the puerperium	09	Diagnosis
648.00	Maternal diabetes mellitus, complicating pregnancy, childbirth, or the puerperium, unspecified as to episode of care	09	Diagnosis
648.01	Maternal diabetes mellitus with delivery	09	Diagnosis
648.02	Maternal diabetes mellitus with delivery, with current postpartum complication	09	Diagnosis
648.03	Maternal diabetes mellitus, antepartum	09	Diagnosis
648.04	Maternal diabetes mellitus, complicating pregnancy, childbirth, or the puerperium, postpartum condition or complication	09	Diagnosis
E10.10	Type 1 diabetes mellitus with ketoacidosis without coma	10	Diagnosis
E10.11	Type 1 diabetes mellitus with ketoacidosis with coma	10	Diagnosis
E10.21	Type 1 diabetes mellitus with diabetic nephropathy	10	Diagnosis
E10.22	Type 1 diabetes mellitus with diabetic chronic kidney disease	10	Diagnosis
E10.29	Type 1 diabetes mellitus with other diabetic kidney complication	10	Diagnosis
E10.311	Type 1 diabetes mellitus with unspecified diabetic retinopathy with macular edema	10	Diagnosis
E10.319	Type 1 diabetes mellitus with unspecified diabetic retinopathy without macular edema	10	Diagnosis
E10.3211	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye	10	Diagnosis
E10.3212	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye	10	Diagnosis
E10.3213	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral	10	Diagnosis
E10.3219	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye	10	Diagnosis
E10.3291	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye	10	Diagnosis
E10.3292	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye	10	Diagnosis
E10.3293	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral	10	Diagnosis
E10.3299	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, unspecified eye	10	Diagnosis
E10.3311	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye	10	Diagnosis
E10.3312	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye	10	Diagnosis



**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
E10.3313	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral	10	Diagnosis
E10.3319	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye	10	Diagnosis
E10.3391	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, right eye	10	Diagnosis
E10.3392	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, left eye	10	Diagnosis
E10.3393	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, bilateral	10	Diagnosis
E10.3399	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, unspecified eye	10	Diagnosis
E10.3411	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye	10	Diagnosis
E10.3412	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye	10	Diagnosis
E10.3413	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral	10	Diagnosis
E10.3419	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye	10	Diagnosis
E10.3491	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, right eye	10	Diagnosis
E10.3492	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, left eye	10	Diagnosis
E10.3493	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, bilateral	10	Diagnosis
E10.3499	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, unspecified eye	10	Diagnosis
E10.3511	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye	10	Diagnosis
E10.3512	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye	10	Diagnosis
E10.3513	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral	10	Diagnosis
E10.3519	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, unspecified eye	10	Diagnosis
E10.3521	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye	10	Diagnosis
E10.3522	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye	10	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
E10.3523	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral	10	Diagnosis
E10.3529	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye	10	Diagnosis
E10.3531	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye	10	Diagnosis
E10.3532	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye	10	Diagnosis
E10.3533	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral	10	Diagnosis
E10.3539	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye	10	Diagnosis
E10.3541	Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye	10	Diagnosis
E10.3542	Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye	10	Diagnosis
E10.3543	Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral	10	Diagnosis
E10.3549	Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye	10	Diagnosis
E10.3551	Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, right eye	10	Diagnosis
E10.3552	Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, left eye	10	Diagnosis
E10.3553	Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, bilateral	10	Diagnosis
E10.3559	Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, unspecified eye	10	Diagnosis
E10.3591	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye	10	Diagnosis
E10.3592	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye	10	Diagnosis
E10.3593	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral	10	Diagnosis
E10.3599	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, unspecified eye	10	Diagnosis
E10.36	Type 1 diabetes mellitus with diabetic cataract	10	Diagnosis
E10.37X1	Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, right eye	10	Diagnosis
E10.37X2	Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, left eye	10	Diagnosis
E10.37X3	Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral	10	Diagnosis
E10.37X9	Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, unspecified eye	10	Diagnosis
E10.39	Type 1 diabetes mellitus with other diabetic ophthalmic complication	10	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
E10.40	Type 1 diabetes mellitus with diabetic neuropathy, unspecified	10	Diagnosis
E10.41	Type 1 diabetes mellitus with diabetic mononeuropathy	10	Diagnosis
E10.42	Type 1 diabetes mellitus with diabetic polyneuropathy	10	Diagnosis
E10.43	Type 1 diabetes mellitus with diabetic autonomic (poly)neuropathy	10	Diagnosis
E10.44	Type 1 diabetes mellitus with diabetic amyotrophy	10	Diagnosis
E10.49	Type 1 diabetes mellitus with other diabetic neurological complication	10	Diagnosis
E10.51	Type 1 diabetes mellitus with diabetic peripheral angiopathy without gangrene	10	Diagnosis
E10.52	Type 1 diabetes mellitus with diabetic peripheral angiopathy with gangrene	10	Diagnosis
E10.59	Type 1 diabetes mellitus with other circulatory complications	10	Diagnosis
E10.610	Type 1 diabetes mellitus with diabetic neuropathic arthropathy	10	Diagnosis
E10.618	Type 1 diabetes mellitus with other diabetic arthropathy	10	Diagnosis
E10.620	Type 1 diabetes mellitus with diabetic dermatitis	10	Diagnosis
E10.621	Type 1 diabetes mellitus with foot ulcer	10	Diagnosis
E10.622	Type 1 diabetes mellitus with other skin ulcer	10	Diagnosis
E10.628	Type 1 diabetes mellitus with other skin complications	10	Diagnosis
E10.630	Type 1 diabetes mellitus with periodontal disease	10	Diagnosis
E10.638	Type 1 diabetes mellitus with other oral complications	10	Diagnosis
E10.641	Type 1 diabetes mellitus with hypoglycemia with coma	10	Diagnosis
E10.649	Type 1 diabetes mellitus with hypoglycemia without coma	10	Diagnosis
E10.65	Type 1 diabetes mellitus with hyperglycemia	10	Diagnosis
E10.69	Type 1 diabetes mellitus with other specified complication	10	Diagnosis
E10.8	Type 1 diabetes mellitus with unspecified complications	10	Diagnosis
E10.9	Type 1 diabetes mellitus without complications	10	Diagnosis
E11.00	Type 2 diabetes mellitus with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)	10	Diagnosis
E11.01	Type 2 diabetes mellitus with hyperosmolarity with coma	10	Diagnosis
E11.10	Type 2 diabetes mellitus with ketoacidosis without coma	10	Diagnosis
E11.11	Type 2 diabetes mellitus with ketoacidosis with coma	10	Diagnosis
E11.21	Type 2 diabetes mellitus with diabetic nephropathy	10	Diagnosis
E11.22	Type 2 diabetes mellitus with diabetic chronic kidney disease	10	Diagnosis
E11.29	Type 2 diabetes mellitus with other diabetic kidney complication	10	Diagnosis
E11.311	Type 2 diabetes mellitus with unspecified diabetic retinopathy with macular edema	10	Diagnosis
E11.319	Type 2 diabetes mellitus with unspecified diabetic retinopathy without macular edema	10	Diagnosis
E11.3211	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye	10	Diagnosis
E11.3212	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye	10	Diagnosis
E11.3213	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral	10	Diagnosis
E11.3219	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye	10	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
E11.3291	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye	10	Diagnosis
E11.3292	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye	10	Diagnosis
E11.3293	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral	10	Diagnosis
E11.3299	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, unspecified eye	10	Diagnosis
E11.3311	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye	10	Diagnosis
E11.3312	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye	10	Diagnosis
E11.3313	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral	10	Diagnosis
E11.3319	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye	10	Diagnosis
E11.3391	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, right eye	10	Diagnosis
E11.3392	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, left eye	10	Diagnosis
E11.3393	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, bilateral	10	Diagnosis
E11.3399	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, unspecified eye	10	Diagnosis
E11.3411	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye	10	Diagnosis
E11.3412	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye	10	Diagnosis
E11.3413	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral	10	Diagnosis
E11.3419	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye	10	Diagnosis
E11.3491	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, right eye	10	Diagnosis
E11.3492	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, left eye	10	Diagnosis
E11.3493	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, bilateral	10	Diagnosis
E11.3499	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, unspecified eye	10	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
E11.3511	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye	10	Diagnosis
E11.3512	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye	10	Diagnosis
E11.3513	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral	10	Diagnosis
E11.3519	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, unspecified eye	10	Diagnosis
E11.3521	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye	10	Diagnosis
E11.3522	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye	10	Diagnosis
E11.3523	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral	10	Diagnosis
E11.3529	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye	10	Diagnosis
E11.3531	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye	10	Diagnosis
E11.3532	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye	10	Diagnosis
E11.3533	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral	10	Diagnosis
E11.3539	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye	10	Diagnosis
E11.3541	Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye	10	Diagnosis
E11.3542	Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye	10	Diagnosis
E11.3543	Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral	10	Diagnosis
E11.3549	Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye	10	Diagnosis
E11.3551	Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, right eye	10	Diagnosis
E11.3552	Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, left eye	10	Diagnosis
E11.3553	Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, bilateral	10	Diagnosis
E11.3559	Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, unspecified eye	10	Diagnosis
E11.3591	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye	10	Diagnosis
E11.3592	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye	10	Diagnosis
E11.3593	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral	10	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
E11.3599	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, unspecified eye	10	Diagnosis
E11.36	Type 2 diabetes mellitus with diabetic cataract	10	Diagnosis
E11.37X1	Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, right eye	10	Diagnosis
E11.37X2	Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, left eye	10	Diagnosis
E11.37X3	Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral	10	Diagnosis
E11.37X9	Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, unspecified eye	10	Diagnosis
E11.39	Type 2 diabetes mellitus with other diabetic ophthalmic complication	10	Diagnosis
E11.40	Type 2 diabetes mellitus with diabetic neuropathy, unspecified	10	Diagnosis
E11.41	Type 2 diabetes mellitus with diabetic mononeuropathy	10	Diagnosis
E11.42	Type 2 diabetes mellitus with diabetic polyneuropathy	10	Diagnosis
E11.43	Type 2 diabetes mellitus with diabetic autonomic (poly)neuropathy	10	Diagnosis
E11.44	Type 2 diabetes mellitus with diabetic amyotrophy	10	Diagnosis
E11.49	Type 2 diabetes mellitus with other diabetic neurological complication	10	Diagnosis
E11.51	Type 2 diabetes mellitus with diabetic peripheral angiopathy without gangrene	10	Diagnosis
E11.52	Type 2 diabetes mellitus with diabetic peripheral angiopathy with gangrene	10	Diagnosis
E11.59	Type 2 diabetes mellitus with other circulatory complications	10	Diagnosis
E11.610	Type 2 diabetes mellitus with diabetic neuropathic arthropathy	10	Diagnosis
E11.618	Type 2 diabetes mellitus with other diabetic arthropathy	10	Diagnosis
E11.620	Type 2 diabetes mellitus with diabetic dermatitis	10	Diagnosis
E11.621	Type 2 diabetes mellitus with foot ulcer	10	Diagnosis
E11.622	Type 2 diabetes mellitus with other skin ulcer	10	Diagnosis
E11.628	Type 2 diabetes mellitus with other skin complications	10	Diagnosis
E11.630	Type 2 diabetes mellitus with periodontal disease	10	Diagnosis
E11.638	Type 2 diabetes mellitus with other oral complications	10	Diagnosis
E11.641	Type 2 diabetes mellitus with hypoglycemia with coma	10	Diagnosis
E11.649	Type 2 diabetes mellitus with hypoglycemia without coma	10	Diagnosis
E11.65	Type 2 diabetes mellitus with hyperglycemia	10	Diagnosis
E11.69	Type 2 diabetes mellitus with other specified complication	10	Diagnosis
E11.8	Type 2 diabetes mellitus with unspecified complications	10	Diagnosis
E11.9	Type 2 diabetes mellitus without complications	10	Diagnosis
E13.00	Other specified diabetes mellitus with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)	10	Diagnosis
E13.01	Other specified diabetes mellitus with hyperosmolarity with coma	10	Diagnosis
E13.10	Other specified diabetes mellitus with ketoacidosis without coma	10	Diagnosis
E13.11	Other specified diabetes mellitus with ketoacidosis with coma	10	Diagnosis
E13.21	Other specified diabetes mellitus with diabetic nephropathy	10	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
E13.22	Other specified diabetes mellitus with diabetic chronic kidney disease	10	Diagnosis
E13.29	Other specified diabetes mellitus with other diabetic kidney complication	10	Diagnosis
E13.311	Other specified diabetes mellitus with unspecified diabetic retinopathy with macular edema	10	Diagnosis
E13.319	Other specified diabetes mellitus with unspecified diabetic retinopathy without macular edema	10	Diagnosis
E13.3211	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye	10	Diagnosis
E13.3212	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye	10	Diagnosis
E13.3213	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral	10	Diagnosis
E13.3219	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye	10	Diagnosis
E13.3291	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye	10	Diagnosis
E13.3292	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye	10	Diagnosis
E13.3293	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral	10	Diagnosis
E13.3299	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, unspecified eye	10	Diagnosis
E13.3311	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye	10	Diagnosis
E13.3312	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye	10	Diagnosis
E13.3313	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral	10	Diagnosis
E13.3319	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye	10	Diagnosis
E13.3391	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, right eye	10	Diagnosis
E13.3392	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, left eye	10	Diagnosis
E13.3393	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, bilateral	10	Diagnosis
E13.3399	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, unspecified eye	10	Diagnosis
E13.3411	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye	10	Diagnosis



**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
E13.3412	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye	10	Diagnosis
E13.3413	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral	10	Diagnosis
E13.3419	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye	10	Diagnosis
E13.3491	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, right eye	10	Diagnosis
E13.3492	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, left eye	10	Diagnosis
E13.3493	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, bilateral	10	Diagnosis
E13.3499	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, unspecified eye	10	Diagnosis
E13.3511	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye	10	Diagnosis
E13.3512	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye	10	Diagnosis
E13.3513	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral	10	Diagnosis
E13.3519	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, unspecified eye	10	Diagnosis
E13.3521	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye	10	Diagnosis
E13.3522	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye	10	Diagnosis
E13.3523	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral	10	Diagnosis
E13.3529	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye	10	Diagnosis
E13.3531	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye	10	Diagnosis
E13.3532	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye	10	Diagnosis
E13.3533	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral	10	Diagnosis
E13.3539	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye	10	Diagnosis
E13.3541	Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye	10	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
E13.3542	Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye	10	Diagnosis
E13.3543	Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral	10	Diagnosis
E13.3549	Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye	10	Diagnosis
E13.3551	Other specified diabetes mellitus with stable proliferative diabetic retinopathy, right eye	10	Diagnosis
E13.3552	Other specified diabetes mellitus with stable proliferative diabetic retinopathy, left eye	10	Diagnosis
E13.3553	Other specified diabetes mellitus with stable proliferative diabetic retinopathy, bilateral	10	Diagnosis
E13.3559	Other specified diabetes mellitus with stable proliferative diabetic retinopathy, unspecified eye	10	Diagnosis
E13.3591	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye	10	Diagnosis
E13.3592	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye	10	Diagnosis
E13.3593	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral	10	Diagnosis
E13.3599	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, unspecified eye	10	Diagnosis
E13.36	Other specified diabetes mellitus with diabetic cataract	10	Diagnosis
E13.37X1	Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, right eye	10	Diagnosis
E13.37X2	Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, left eye	10	Diagnosis
E13.37X3	Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral	10	Diagnosis
E13.37X9	Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, unspecified eye	10	Diagnosis
E13.39	Other specified diabetes mellitus with other diabetic ophthalmic complication	10	Diagnosis
E13.40	Other specified diabetes mellitus with diabetic neuropathy, unspecified	10	Diagnosis
E13.41	Other specified diabetes mellitus with diabetic mononeuropathy	10	Diagnosis
E13.42	Other specified diabetes mellitus with diabetic polyneuropathy	10	Diagnosis
E13.43	Other specified diabetes mellitus with diabetic autonomic (poly)neuropathy	10	Diagnosis
E13.44	Other specified diabetes mellitus with diabetic amyotrophy	10	Diagnosis
E13.49	Other specified diabetes mellitus with other diabetic neurological complication	10	Diagnosis
E13.51	Other specified diabetes mellitus with diabetic peripheral angiopathy without gangrene	10	Diagnosis
E13.52	Other specified diabetes mellitus with diabetic peripheral angiopathy with gangrene	10	Diagnosis
E13.59	Other specified diabetes mellitus with other circulatory complications	10	Diagnosis
E13.610	Other specified diabetes mellitus with diabetic neuropathic arthropathy	10	Diagnosis
E13.618	Other specified diabetes mellitus with other diabetic arthropathy	10	Diagnosis
E13.620	Other specified diabetes mellitus with diabetic dermatitis	10	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
E13.621	Other specified diabetes mellitus with foot ulcer	10	Diagnosis
E13.622	Other specified diabetes mellitus with other skin ulcer	10	Diagnosis
E13.628	Other specified diabetes mellitus with other skin complications	10	Diagnosis
E13.630	Other specified diabetes mellitus with periodontal disease	10	Diagnosis
E13.638	Other specified diabetes mellitus with other oral complications	10	Diagnosis
E13.641	Other specified diabetes mellitus with hypoglycemia with coma	10	Diagnosis
E13.649	Other specified diabetes mellitus with hypoglycemia without coma	10	Diagnosis
E13.65	Other specified diabetes mellitus with hyperglycemia	10	Diagnosis
E13.69	Other specified diabetes mellitus with other specified complication	10	Diagnosis
E13.8	Other specified diabetes mellitus with unspecified complications	10	Diagnosis
E13.9	Other specified diabetes mellitus without complications	10	Diagnosis
O24.011	Pre-existing type 1 diabetes mellitus, in pregnancy, first trimester	10	Diagnosis
O24.012	Pre-existing type 1 diabetes mellitus, in pregnancy, second trimester	10	Diagnosis
O24.013	Pre-existing type 1 diabetes mellitus, in pregnancy, third trimester	10	Diagnosis
O24.019	Pre-existing type 1 diabetes mellitus, in pregnancy, unspecified trimester	10	Diagnosis
O24.02	Pre-existing type 1 diabetes mellitus, in childbirth	10	Diagnosis
O24.03	Pre-existing type 1 diabetes mellitus, in the puerperium	10	Diagnosis
O24.111	Pre-existing type 2 diabetes mellitus, in pregnancy, first trimester	10	Diagnosis
O24.112	Pre-existing type 2 diabetes mellitus, in pregnancy, second trimester	10	Diagnosis
O24.113	Pre-existing type 2 diabetes mellitus, in pregnancy, third trimester	10	Diagnosis
O24.119	Pre-existing type 2 diabetes mellitus, in pregnancy, unspecified trimester	10	Diagnosis
O24.12	Pre-existing type 2 diabetes mellitus, in childbirth	10	Diagnosis
O24.13	Pre-existing type 2 diabetes mellitus, in the puerperium	10	Diagnosis
O24.311	Unspecified pre-existing diabetes mellitus in pregnancy, first trimester	10	Diagnosis
O24.312	Unspecified pre-existing diabetes mellitus in pregnancy, second trimester	10	Diagnosis
O24.313	Unspecified pre-existing diabetes mellitus in pregnancy, third trimester	10	Diagnosis
O24.319	Unspecified pre-existing diabetes mellitus in pregnancy, unspecified trimester	10	Diagnosis
O24.32	Unspecified pre-existing diabetes mellitus in childbirth	10	Diagnosis
O24.33	Unspecified pre-existing diabetes mellitus in the puerperium	10	Diagnosis
O24.811	Other pre-existing diabetes mellitus in pregnancy, first trimester	10	Diagnosis
O24.812	Other pre-existing diabetes mellitus in pregnancy, second trimester	10	Diagnosis
O24.813	Other pre-existing diabetes mellitus in pregnancy, third trimester	10	Diagnosis
O24.819	Other pre-existing diabetes mellitus in pregnancy, unspecified trimester	10	Diagnosis
O24.82	Other pre-existing diabetes mellitus in childbirth	10	Diagnosis
O24.83	Other pre-existing diabetes mellitus in the puerperium	10	Diagnosis
O24.911	Unspecified diabetes mellitus in pregnancy, first trimester	10	Diagnosis
O24.912	Unspecified diabetes mellitus in pregnancy, second trimester	10	Diagnosis
O24.913	Unspecified diabetes mellitus in pregnancy, third trimester	10	Diagnosis
O24.919	Unspecified diabetes mellitus in pregnancy, unspecified trimester	10	Diagnosis
O24.92	Unspecified diabetes mellitus in childbirth	10	Diagnosis
O24.93	Unspecified diabetes mellitus in the puerperium	10	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

Code	Description	Code Type	Code Category
<b>Preexisting Hypertension</b>			
401.0	Essential hypertension, malignant	09	Diagnosis
401.1	Essential hypertension, benign	09	Diagnosis
401.9	Unspecified essential hypertension	09	Diagnosis
402.0	Malignant hypertensive heart disease	09	Diagnosis
402.00	Malignant hypertensive heart disease without heart failure	09	Diagnosis
402.01	Malignant hypertensive heart disease with heart failure	09	Diagnosis
402.1	Benign hypertensive heart disease	09	Diagnosis
402.10	Benign hypertensive heart disease without heart failure	09	Diagnosis
402.11	Benign hypertensive heart disease with heart failure	09	Diagnosis
402.9	Unspecified hypertensive heart disease	09	Diagnosis
402.90	Unspecified hypertensive heart disease without heart failure	09	Diagnosis
402.91	Hypertensive heart disease, unspecified, with heart failure	09	Diagnosis
403.0	Hypertensive chronic kidney disease, malignant	09	Diagnosis
403.00	Hypertensive chronic kidney disease, malignant, with chronic kidney disease stage I through stage IV, or unspecified	09	Diagnosis
403.01	Hypertensive chronic kidney disease, malignant, with chronic kidney disease stage V or end stage renal disease	09	Diagnosis
403.1	Hypertensive chronic kidney disease, benign	09	Diagnosis
403.10	Hypertensive chronic kidney disease, benign, with chronic kidney disease stage I through stage IV, or unspecified	09	Diagnosis
403.11	Hypertensive chronic kidney disease, benign, with chronic kidney disease stage V or end stage renal disease	09	Diagnosis
403.9	Hypertensive chronic kidney disease, unspecified	09	Diagnosis
403.90	Hypertensive chronic kidney disease, unspecified, with chronic kidney disease stage I through stage IV, or unspecified	09	Diagnosis
403.91	Hypertensive chronic kidney disease, unspecified, with chronic kidney disease stage V or end stage renal disease	09	Diagnosis
404.0	Hypertensive heart and chronic kidney disease, malignant	09	Diagnosis
404.00	Hypertensive heart and chronic kidney disease, malignant, without heart failure and with chronic kidney disease stage I through stage IV, or unspecified	09	Diagnosis
404.01	Hypertensive heart and chronic kidney disease, malignant, with heart failure and with chronic kidney disease stage I through stage IV, or unspecified	09	Diagnosis
404.02	Hypertensive heart and chronic kidney disease, malignant, without heart failure and with chronic kidney disease stage V or end stage renal disease	09	Diagnosis
404.03	Hypertensive heart and chronic kidney disease, malignant, with heart failure and with chronic kidney disease stage V or end stage renal disease	09	Diagnosis
404.1	Hypertensive heart and chronic kidney disease, benign	09	Diagnosis
404.10	Hypertensive heart and chronic kidney disease, benign, without heart failure and with chronic kidney disease stage I through stage IV, or unspecified	09	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
404.11	Hypertensive heart and chronic kidney disease, benign, with heart failure and with chronic kidney disease stage I through stage IV, or unspecified	09	Diagnosis
404.12	Hypertensive heart and chronic kidney disease, benign, without heart failure and with chronic kidney disease stage V or end stage renal disease	09	Diagnosis
404.13	Hypertensive heart and chronic kidney disease, benign, with heart failure and chronic kidney disease stage V or end stage renal disease	09	Diagnosis
404.9	Hypertensive heart and chronic kidney disease, unspecified	09	Diagnosis
404.90	Hypertensive heart and chronic kidney disease, unspecified, without heart failure and with chronic kidney disease stage I through stage IV, or unspecified	09	Diagnosis
404.91	Hypertensive heart and chronic kidney disease, unspecified, with heart failure and with chronic kidney disease stage I through stage IV, or unspecified	09	Diagnosis
404.92	Hypertensive heart and chronic kidney disease, unspecified, without heart failure and with chronic kidney disease stage V or end stage renal disease	09	Diagnosis
404.93	Hypertensive heart and chronic kidney disease, unspecified, with heart failure and chronic kidney disease stage V or end stage renal disease	09	Diagnosis
405.0	Secondary hypertension, malignant	09	Diagnosis
405.01	Secondary renovascular hypertension, malignant	09	Diagnosis
405.09	Other secondary hypertension, malignant	09	Diagnosis
405.1	Secondary hypertension, benign	09	Diagnosis
405.11	Secondary renovascular hypertension, benign	09	Diagnosis
405.19	Other secondary hypertension, benign	09	Diagnosis
405.9	Unspecified secondary hypertension, unspecified	09	Diagnosis
405.91	Secondary renovascular hypertension, unspecified	09	Diagnosis
405.99	Other secondary hypertension, unspecified	09	Diagnosis
642.0	Benign essential hypertension complicating pregnancy, childbirth, and the puerperium	09	Diagnosis
642.00	Benign essential hypertension complicating pregnancy, childbirth, and the puerperium, unspecified as to episode of care	09	Diagnosis
642.01	Benign essential hypertension with delivery	09	Diagnosis
642.02	Benign essential hypertension, with delivery, with current postpartum complication	09	Diagnosis
642.03	Benign essential hypertension antepartum	09	Diagnosis
642.04	Benign essential hypertension, complicating pregnancy, childbirth, and the puerperium, postpartum condition or complication	09	Diagnosis
642.1	Hypertension secondary to renal disease, complicating pregnancy, childbirth, and the puerperium	09	Diagnosis
642.10	Hypertension secondary to renal disease, complicating pregnancy, childbirth, and the puerperium, unspecified as to episode of care	09	Diagnosis
642.11	Hypertension secondary to renal disease, with delivery	09	Diagnosis
642.12	Hypertension secondary to renal disease, with delivery, with current postpartum complication	09	Diagnosis
642.13	Hypertension secondary to renal disease, antepartum	09	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
642.14	Hypertension secondary to renal disease, complicating pregnancy, childbirth, and the puerperium, postpartum condition or complication	09	Diagnosis
642.2	Other pre-existing hypertension complicating pregnancy, childbirth, and the puerperium	09	Diagnosis
642.20	Other pre-existing hypertension complicating pregnancy, childbirth, and the puerperium, unspecified as to episode of care	09	Diagnosis
642.21	Other pre-existing hypertension, with delivery	09	Diagnosis
642.22	Other pre-existing hypertension, with delivery, with current postpartum complication	09	Diagnosis
642.23	Other pre-existing hypertension, antepartum	09	Diagnosis
642.24	Other pre-existing hypertension complicating pregnancy, childbirth, and the puerperium, postpartum condition or complication	09	Diagnosis
642.7	Pre-eclampsia or eclampsia superimposed on pre-existing hypertension	09	Diagnosis
642.70	Pre-eclampsia or eclampsia superimposed on pre-existing hypertension, complicating pregnancy, childbirth, or the puerperium, unspecified as to episode of care	09	Diagnosis
642.71	Pre-eclampsia or eclampsia superimposed on pre-existing hypertension, with delivery	09	Diagnosis
642.72	Pre-eclampsia or eclampsia superimposed on pre-existing hypertension, with delivery, with current postpartum complication	09	Diagnosis
642.73	Pre-eclampsia or eclampsia superimposed on pre-existing hypertension, antepartum	09	Diagnosis
642.74	Pre-eclampsia or eclampsia superimposed on pre-existing hypertension, postpartum condition or complication	09	Diagnosis
I10	Essential (primary) hypertension	10	Diagnosis
I11.0	Hypertensive heart disease with heart failure	10	Diagnosis
I11.9	Hypertensive heart disease without heart failure	10	Diagnosis
I12.0	Hypertensive chronic kidney disease with stage 5 chronic kidney disease or end stage renal disease	10	Diagnosis
I12.9	Hypertensive chronic kidney disease with stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease	10	Diagnosis
I13.0	Hypertensive heart and chronic kidney disease with heart failure and stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease	10	Diagnosis
I13.10	Hypertensive heart and chronic kidney disease without heart failure, with stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease	10	Diagnosis
I13.11	Hypertensive heart and chronic kidney disease without heart failure, with stage 5 chronic kidney disease, or end stage renal disease	10	Diagnosis
I13.2	Hypertensive heart and chronic kidney disease with heart failure and with stage 5 chronic kidney disease, or end stage renal disease	10	Diagnosis
I15.0	Renovascular hypertension	10	Diagnosis
I15.1	Hypertension secondary to other renal disorders	10	Diagnosis
I15.2	Hypertension secondary to endocrine disorders	10	Diagnosis
I15.8	Other secondary hypertension	10	Diagnosis
I15.9	Secondary hypertension, unspecified	10	Diagnosis
I16.0	Hypertensive urgency	10	Diagnosis
I16.1	Hypertensive emergency	10	Diagnosis
I16.9	Hypertensive crisis, unspecified	10	Diagnosis



**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
N26.2	Page kidney	10	Diagnosis
O10.011	Pre-existing essential hypertension complicating pregnancy, first trimester	10	Diagnosis
O10.012	Pre-existing essential hypertension complicating pregnancy, second trimester	10	Diagnosis
O10.013	Pre-existing essential hypertension complicating pregnancy, third trimester	10	Diagnosis
O10.019	Pre-existing essential hypertension complicating pregnancy, unspecified trimester	10	Diagnosis
O10.02	Pre-existing essential hypertension complicating childbirth	10	Diagnosis
O10.03	Pre-existing essential hypertension complicating the puerperium	10	Diagnosis
O10.111	Pre-existing hypertensive heart disease complicating pregnancy, first trimester	10	Diagnosis
O10.112	Pre-existing hypertensive heart disease complicating pregnancy, second trimester	10	Diagnosis
O10.113	Pre-existing hypertensive heart disease complicating pregnancy, third trimester	10	Diagnosis
O10.119	Pre-existing hypertensive heart disease complicating pregnancy, unspecified trimester	10	Diagnosis
O10.12	Pre-existing hypertensive heart disease complicating childbirth	10	Diagnosis
O10.13	Pre-existing hypertensive heart disease complicating the puerperium	10	Diagnosis
O10.211	Pre-existing hypertensive chronic kidney disease complicating pregnancy, first trimester	10	Diagnosis
O10.212	Pre-existing hypertensive chronic kidney disease complicating pregnancy, second trimester	10	Diagnosis
O10.213	Pre-existing hypertensive chronic kidney disease complicating pregnancy, third trimester	10	Diagnosis
O10.219	Pre-existing hypertensive chronic kidney disease complicating pregnancy, unspecified trimester	10	Diagnosis
O10.22	Pre-existing hypertensive chronic kidney disease complicating childbirth	10	Diagnosis
O10.23	Pre-existing hypertensive chronic kidney disease complicating the puerperium	10	Diagnosis
O10.311	Pre-existing hypertensive heart and chronic kidney disease complicating pregnancy, first trimester	10	Diagnosis
O10.312	Pre-existing hypertensive heart and chronic kidney disease complicating pregnancy, second trimester	10	Diagnosis
O10.313	Pre-existing hypertensive heart and chronic kidney disease complicating pregnancy, third trimester	10	Diagnosis
O10.319	Pre-existing hypertensive heart and chronic kidney disease complicating pregnancy, unspecified trimester	10	Diagnosis
O10.32	Pre-existing hypertensive heart and chronic kidney disease complicating childbirth	10	Diagnosis
O10.33	Pre-existing hypertensive heart and chronic kidney disease complicating the puerperium	10	Diagnosis
O10.411	Pre-existing secondary hypertension complicating pregnancy, first trimester	10	Diagnosis
O10.412	Pre-existing secondary hypertension complicating pregnancy, second trimester	10	Diagnosis
O10.413	Pre-existing secondary hypertension complicating pregnancy, third trimester	10	Diagnosis
O10.419	Pre-existing secondary hypertension complicating pregnancy, unspecified trimester	10	Diagnosis
O10.42	Pre-existing secondary hypertension complicating childbirth	10	Diagnosis
O10.43	Pre-existing secondary hypertension complicating the puerperium	10	Diagnosis
O10.911	Unspecified pre-existing hypertension complicating pregnancy, first trimester	10	Diagnosis
O10.912	Unspecified pre-existing hypertension complicating pregnancy, second trimester	10	Diagnosis
O10.913	Unspecified pre-existing hypertension complicating pregnancy, third trimester	10	Diagnosis
O10.919	Unspecified pre-existing hypertension complicating pregnancy, unspecified trimester	10	Diagnosis
O10.92	Unspecified pre-existing hypertension complicating childbirth	10	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
O10.93	Unspecified pre-existing hypertension complicating the puerperium	10	Diagnosis
O11.1	Pre-existing hypertension with pre-eclampsia, first trimester	10	Diagnosis
O11.2	Pre-existing hypertension with pre-eclampsia, second trimester	10	Diagnosis
O11.3	Pre-existing hypertension with pre-eclampsia, third trimester	10	Diagnosis
O11.4	Pre-existing hypertension with pre-eclampsia, complicating childbirth	10	Diagnosis
O11.5	Pre-existing hypertension with pre-eclampsia, complicating the puerperium	10	Diagnosis
O11.9	Pre-existing hypertension with pre-eclampsia, unspecified trimester	10	Diagnosis
<b>Previous Cesarean Delivery</b>			
654.2	Previous cesarean section complicating pregnancy, childbirth, or the puerperium	09	Diagnosis
654.20	Previous cesarean delivery, unspecified as to episode of care or not applicable	09	Diagnosis
654.21	Previous cesarean delivery, delivered, with or without mention of antepartum condition	09	Diagnosis
654.23	Previous cesarean delivery, antepartum condition or complication	09	Diagnosis
O34.211	Maternal care for low transverse scar from previous cesarean delivery	10	Diagnosis
O34.212	Maternal care for vertical scar from previous cesarean delivery	10	Diagnosis
O34.219	Maternal care for unspecified type scar from previous cesarean delivery	10	Diagnosis
<b>Psychiatric Disorders</b>			
295.00	Simple schizophrenia, unspecified condition	09	Diagnosis
295.01	Simple schizophrenia, subchronic condition	09	Diagnosis
295.02	Simple schizophrenia, chronic condition	09	Diagnosis
295.03	Simple schizophrenia, subchronic condition with acute exacerbation	09	Diagnosis
295.04	Simple schizophrenia, chronic condition with acute exacerbation	09	Diagnosis
295.05	Simple schizophrenia, in remission	09	Diagnosis
295.10	Disorganized schizophrenia, unspecified condition	09	Diagnosis
295.11	Disorganized schizophrenia, subchronic condition	09	Diagnosis
295.12	Disorganized schizophrenia, chronic condition	09	Diagnosis
295.13	Disorganized schizophrenia, subchronic condition with acute exacerbation	09	Diagnosis
295.14	Disorganized schizophrenia, chronic condition with acute exacerbation	09	Diagnosis
295.15	Disorganized schizophrenia, in remission	09	Diagnosis
295.20	Catatonic schizophrenia, unspecified condition	09	Diagnosis
295.21	Catatonic schizophrenia, subchronic condition	09	Diagnosis
295.22	Catatonic schizophrenia, chronic condition	09	Diagnosis
295.23	Catatonic schizophrenia, subchronic condition with acute exacerbation	09	Diagnosis
295.24	Catatonic schizophrenia, chronic condition with acute exacerbation	09	Diagnosis
295.25	Catatonic schizophrenia, in remission	09	Diagnosis
295.30	Paranoid schizophrenia, unspecified condition	09	Diagnosis
295.31	Paranoid schizophrenia, subchronic condition	09	Diagnosis
295.32	Paranoid schizophrenia, chronic condition	09	Diagnosis
295.33	Paranoid schizophrenia, subchronic condition with acute exacerbation	09	Diagnosis
295.34	Paranoid schizophrenia, chronic condition with acute exacerbation	09	Diagnosis
295.35	Paranoid schizophrenia, in remission	09	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
295.40	Schizophreniform disorder, unspecified	09	Diagnosis
295.41	Schizophreniform disorder, subchronic	09	Diagnosis
295.42	Schizophreniform disorder, chronic	09	Diagnosis
295.43	Schizophreniform disorder, subchronic with acute exacerbation	09	Diagnosis
295.44	Schizophreniform disorder, chronic with acute exacerbation	09	Diagnosis
295.45	Schizophreniform disorder, in remission	09	Diagnosis
295.50	Latent schizophrenia, unspecified condition	09	Diagnosis
295.51	Latent schizophrenia, subchronic condition	09	Diagnosis
295.52	Latent schizophrenia, chronic condition	09	Diagnosis
295.53	Latent schizophrenia, subchronic condition with acute exacerbation	09	Diagnosis
295.54	Latent schizophrenia, chronic condition with acute exacerbation	09	Diagnosis
295.55	Latent schizophrenia, in remission	09	Diagnosis
295.60	Schizophrenic disorders, residual type, unspecified	09	Diagnosis
295.61	Schizophrenic disorders, residual type, subchronic	09	Diagnosis
295.62	Schizophrenic disorders, residual type, chronic	09	Diagnosis
295.63	Schizophrenic disorders, residual type, subchronic with acute exacerbation	09	Diagnosis
295.64	Schizophrenic disorders, residual type, chronic with acute exacerbation	09	Diagnosis
295.65	Schizophrenic disorders, residual type, in remission	09	Diagnosis
295.70	Schizoaffective disorder, unspecified	09	Diagnosis
295.71	Schizoaffective disorder, subchronic	09	Diagnosis
295.72	Schizoaffective disorder, chronic	09	Diagnosis
295.73	Schizoaffective disorder, subchronic with acute exacerbation	09	Diagnosis
295.74	Schizoaffective disorder, chronic with acute exacerbation	09	Diagnosis
295.75	Schizoaffective disorder, in remission	09	Diagnosis
295.80	Other specified types of schizophrenia, unspecified condition	09	Diagnosis
295.81	Other specified types of schizophrenia, subchronic condition	09	Diagnosis
295.82	Other specified types of schizophrenia, chronic condition	09	Diagnosis
295.83	Other specified types of schizophrenia, subchronic condition with acute exacerbation	09	Diagnosis
295.84	Other specified types of schizophrenia, chronic condition with acute exacerbation	09	Diagnosis
295.85	Other specified types of schizophrenia, in remission	09	Diagnosis
295.90	Unspecified schizophrenia, unspecified condition	09	Diagnosis
295.91	Unspecified schizophrenia, subchronic condition	09	Diagnosis
295.92	Unspecified schizophrenia, chronic condition	09	Diagnosis
295.93	Unspecified schizophrenia, subchronic condition with acute exacerbation	09	Diagnosis
295.94	Unspecified schizophrenia, chronic condition with acute exacerbation	09	Diagnosis
295.95	Unspecified schizophrenia, in remission	09	Diagnosis
296.00	Bipolar I disorder, single manic episode, unspecified	09	Diagnosis
296.01	Bipolar I disorder, single manic episode, mild	09	Diagnosis
296.02	Bipolar I disorder, single manic episode, moderate	09	Diagnosis
296.03	Bipolar I disorder, single manic episode, severe, without mention of psychotic behavior	09	Diagnosis
296.04	Bipolar I disorder, single manic episode, severe, specified as with psychotic behavior	09	Diagnosis
296.05	Bipolar I disorder, single manic episode, in partial or unspecified remission	09	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
296.06	Bipolar I disorder, single manic episode, in full remission	09	Diagnosis
296.10	Manic disorder, recurrent episode, unspecified	09	Diagnosis
296.11	Manic disorder, recurrent episode, mild	09	Diagnosis
296.12	Manic disorder, recurrent episode, moderate	09	Diagnosis
296.13	Manic disorder, recurrent episode, severe, without mention of psychotic behavior	09	Diagnosis
296.14	Manic disorder, recurrent episode, severe, specified as with psychotic behavior	09	Diagnosis
296.15	Manic disorder, recurrent episode, in partial or unspecified remission	09	Diagnosis
296.16	Manic disorder, recurrent episode, in full remission	09	Diagnosis
296.20	Major depressive disorder, single episode, unspecified	09	Diagnosis
296.21	Major depressive disorder, single episode, mild	09	Diagnosis
296.22	Major depressive disorder, single episode, moderate	09	Diagnosis
296.23	Major depressive disorder, single episode, severe, without mention of psychotic behavior	09	Diagnosis
296.24	Major depressive disorder, single episode, severe, specified as with psychotic behavior	09	Diagnosis
296.25	Major depressive disorder, single episode, in partial or unspecified remission	09	Diagnosis
296.26	Major depressive disorder, single episode in full remission	09	Diagnosis
296.30	Major depressive disorder, recurrent episode, unspecified	09	Diagnosis
296.31	Major depressive disorder, recurrent episode, mild	09	Diagnosis
296.32	Major depressive disorder, recurrent episode, moderate	09	Diagnosis
296.33	Major depressive disorder, recurrent episode, severe, without mention of psychotic behavior	09	Diagnosis
296.34	Major depressive disorder, recurrent episode, severe, specified as with psychotic behavior	09	Diagnosis
296.35	Major depressive disorder, recurrent episode, in partial or unspecified remission	09	Diagnosis
296.36	Major depressive disorder, recurrent episode, in full remission	09	Diagnosis
296.40	Bipolar I disorder, most recent episode (or current) manic, unspecified	09	Diagnosis
296.41	Bipolar I disorder, most recent episode (or current) manic, mild	09	Diagnosis
296.42	Bipolar I disorder, most recent episode (or current) manic, moderate	09	Diagnosis
296.43	Bipolar I disorder, most recent episode (or current) manic, severe, without mention of psychotic behavior	09	Diagnosis
296.44	Bipolar I disorder, most recent episode (or current) manic, severe, specified as with psychotic behavior	09	Diagnosis
296.45	Bipolar I disorder, most recent episode (or current) manic, in partial or unspecified remission	09	Diagnosis
296.46	Bipolar I disorder, most recent episode (or current) manic, in full remission	09	Diagnosis
296.50	Bipolar I disorder, most recent episode (or current) depressed, unspecified	09	Diagnosis
296.51	Bipolar I disorder, most recent episode (or current) depressed, mild	09	Diagnosis
296.52	Bipolar I disorder, most recent episode (or current) depressed, moderate	09	Diagnosis
296.53	Bipolar I disorder, most recent episode (or current) depressed, severe, without mention of psychotic behavior	09	Diagnosis
296.54	Bipolar I disorder, most recent episode (or current) depressed, severe, specified as with psychotic behavior	09	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
296.55	Bipolar I disorder, most recent episode (or current) depressed, in partial or unspecified remission	09	Diagnosis
296.56	Bipolar I disorder, most recent episode (or current) depressed, in full remission	09	Diagnosis
296.60	Bipolar I disorder, most recent episode (or current) mixed, unspecified	09	Diagnosis
296.61	Bipolar I disorder, most recent episode (or current) mixed, mild	09	Diagnosis
296.62	Bipolar I disorder, most recent episode (or current) mixed, moderate	09	Diagnosis
296.63	Bipolar I disorder, most recent episode (or current) mixed, severe, without mention of psychotic behavior	09	Diagnosis
296.64	Bipolar I disorder, most recent episode (or current) mixed, severe, specified as with psychotic behavior	09	Diagnosis
296.65	Bipolar I disorder, most recent episode (or current) mixed, in partial or unspecified remission	09	Diagnosis
296.66	Bipolar I disorder, most recent episode (or current) mixed, in full remission	09	Diagnosis
296.7	Bipolar I disorder, most recent episode (or current) unspecified	09	Diagnosis
296.80	Bipolar disorder, unspecified	09	Diagnosis
296.81	Atypical manic disorder	09	Diagnosis
296.82	Atypical depressive disorder	09	Diagnosis
296.89	Other and unspecified bipolar disorders	09	Diagnosis
296.90	Unspecified episodic mood disorder	09	Diagnosis
296.99	Other specified episodic mood disorder	09	Diagnosis
297.0	Paranoid state, simple	09	Diagnosis
297.1	Delusional disorder	09	Diagnosis
297.2	Paraphrenia	09	Diagnosis
297.3	Shared psychotic disorder	09	Diagnosis
297.8	Other specified paranoid states	09	Diagnosis
297.9	Unspecified paranoid state	09	Diagnosis
298.0	Depressive type psychosis	09	Diagnosis
298.1	Excitatory type psychosis	09	Diagnosis
298.2	Reactive confusion	09	Diagnosis
298.3	Acute paranoid reaction	09	Diagnosis
298.4	Psychogenic paranoid psychosis	09	Diagnosis
298.8	Other and unspecified reactive psychosis	09	Diagnosis
298.9	Unspecified psychosis	09	Diagnosis
300.00	Anxiety state, unspecified	09	Diagnosis
300.01	Panic disorder without agoraphobia	09	Diagnosis
300.02	Generalized anxiety disorder	09	Diagnosis
300.09	Other anxiety states	09	Diagnosis
300.10	Hysteria, unspecified	09	Diagnosis
300.11	Conversion disorder	09	Diagnosis
300.12	Dissociative amnesia	09	Diagnosis
300.13	Dissociative fugue	09	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
300.14	Dissociative identity disorder	09	Diagnosis
300.15	Dissociative disorder or reaction, unspecified	09	Diagnosis
300.16	Factitious disorder with predominantly psychological signs and symptoms	09	Diagnosis
300.19	Other and unspecified factitious illness	09	Diagnosis
300.20	Phobia, unspecified	09	Diagnosis
300.21	Agoraphobia with panic disorder	09	Diagnosis
300.22	Agoraphobia without mention of panic attacks	09	Diagnosis
300.23	Social phobia	09	Diagnosis
300.29	Other isolated or specific phobias	09	Diagnosis
300.3	Obsessive-compulsive disorders	09	Diagnosis
300.4	Dysthymic disorder	09	Diagnosis
300.5	Neurasthenia	09	Diagnosis
300.6	Depersonalization disorder	09	Diagnosis
300.7	Hypochondriasis	09	Diagnosis
300.81	Somatization disorder	09	Diagnosis
300.82	Undifferentiated somatoform disorder	09	Diagnosis
300.89	Other somatoform disorders	09	Diagnosis
300.9	Unspecified nonpsychotic mental disorder	09	Diagnosis
301.10	Affective personality disorder, unspecified	09	Diagnosis
301.12	Chronic depressive personality disorder	09	Diagnosis
301.13	Cyclothymic disorder	09	Diagnosis
301.22	Schizotypal personality disorder	09	Diagnosis
306.0	Musculoskeletal malfunction arising from mental factors	09	Diagnosis
306.1	Respiratory malfunction arising from mental factors	09	Diagnosis
306.2	Cardiovascular malfunction arising from mental factors	09	Diagnosis
306.3	Skin malfunction arising from mental factors	09	Diagnosis
306.4	Gastrointestinal malfunction arising from mental factors	09	Diagnosis
306.50	Psychogenic genitourinary malfunction, unspecified	09	Diagnosis
306.52	Psychogenic dysmenorrhea	09	Diagnosis
306.53	Psychogenic dysuria	09	Diagnosis
306.59	Other genitourinary malfunction arising from mental factors	09	Diagnosis
306.6	Endocrine malfunction arising from mental factors	09	Diagnosis
306.7	Malfunction of organs of special sense arising from mental factors	09	Diagnosis
306.8	Other specified psychophysiological malfunction	09	Diagnosis
306.9	Unspecified psychophysiological malfunction	09	Diagnosis
307.80	Psychogenic pain, site unspecified	09	Diagnosis
307.89	Other pain disorder related to psychological factors	09	Diagnosis
308.0	Predominant disturbance of emotions	09	Diagnosis
308.1	Predominant disturbance of consciousness as reaction to stress	09	Diagnosis
308.2	Predominant psychomotor disturbance as reaction to stress	09	Diagnosis
308.3	Other acute reactions to stress	09	Diagnosis



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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
308.4	Mixed disorders as reaction to stress	09	Diagnosis
308.9	Unspecified acute reaction to stress	09	Diagnosis
309.0	Adjustment disorder with depressed mood	09	Diagnosis
309.1	Prolonged depressive reaction as adjustment reaction	09	Diagnosis
309.24	Adjustment disorder with anxiety	09	Diagnosis
309.28	Adjustment disorder with mixed anxiety and depressed mood	09	Diagnosis
309.29	Other adjustment reaction with predominant disturbance of other emotions	09	Diagnosis
309.3	Adjustment disorder with disturbance of conduct	09	Diagnosis
309.4	Adjustment disorder with mixed disturbance of emotions and conduct	09	Diagnosis
309.81	Posttraumatic stress disorder	09	Diagnosis
309.82	Adjustment reaction with physical symptoms	09	Diagnosis
309.83	Adjustment reaction with withdrawal	09	Diagnosis
309.89	Other specified adjustment reaction	09	Diagnosis
309.9	Unspecified adjustment reaction	09	Diagnosis
310.81	Pseudobulbar affect	09	Diagnosis
311	Depressive disorder, not elsewhere classified	09	Diagnosis
F20.0	Paranoid schizophrenia	10	Diagnosis
F20.1	Disorganized schizophrenia	10	Diagnosis
F20.2	Catatonic schizophrenia	10	Diagnosis
F20.3	Undifferentiated schizophrenia	10	Diagnosis
F20.5	Residual schizophrenia	10	Diagnosis
F20.81	Schizophreniform disorder	10	Diagnosis
F20.89	Other schizophrenia	10	Diagnosis
F20.9	Schizophrenia, unspecified	10	Diagnosis
F21	Schizotypal disorder	10	Diagnosis
F22	Delusional disorders	10	Diagnosis
F23	Brief psychotic disorder	10	Diagnosis
F24	Shared psychotic disorder	10	Diagnosis
F25.0	Schizoaffective disorder, bipolar type	10	Diagnosis
F25.1	Schizoaffective disorder, depressive type	10	Diagnosis
F25.8	Other schizoaffective disorders	10	Diagnosis
F25.9	Schizoaffective disorder, unspecified	10	Diagnosis
F28	Other psychotic disorder not due to a substance or known physiological condition	10	Diagnosis
F29	Unspecified psychosis not due to a substance or known physiological condition	10	Diagnosis
F30.10	Manic episode without psychotic symptoms, unspecified	10	Diagnosis
F30.11	Manic episode without psychotic symptoms, mild	10	Diagnosis
F30.12	Manic episode without psychotic symptoms, moderate	10	Diagnosis
F30.13	Manic episode, severe, without psychotic symptoms	10	Diagnosis
F30.2	Manic episode, severe with psychotic symptoms	10	Diagnosis
F30.3	Manic episode in partial remission	10	Diagnosis
F30.4	Manic episode in full remission	10	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
F30.8	Other manic episodes	10	Diagnosis
F30.9	Manic episode, unspecified	10	Diagnosis
F31.0	Bipolar disorder, current episode hypomanic	10	Diagnosis
F31.10	Bipolar disorder, current episode manic without psychotic features, unspecified	10	Diagnosis
F31.11	Bipolar disorder, current episode manic without psychotic features, mild	10	Diagnosis
F31.12	Bipolar disorder, current episode manic without psychotic features, moderate	10	Diagnosis
F31.13	Bipolar disorder, current episode manic without psychotic features, severe	10	Diagnosis
F31.2	Bipolar disorder, current episode manic severe with psychotic features	10	Diagnosis
F31.30	Bipolar disorder, current episode depressed, mild or moderate severity, unspecified	10	Diagnosis
F31.31	Bipolar disorder, current episode depressed, mild	10	Diagnosis
F31.32	Bipolar disorder, current episode depressed, moderate	10	Diagnosis
F31.4	Bipolar disorder, current episode depressed, severe, without psychotic features	10	Diagnosis
F31.5	Bipolar disorder, current episode depressed, severe, with psychotic features	10	Diagnosis
F31.60	Bipolar disorder, current episode mixed, unspecified	10	Diagnosis
F31.61	Bipolar disorder, current episode mixed, mild	10	Diagnosis
F31.62	Bipolar disorder, current episode mixed, moderate	10	Diagnosis
F31.63	Bipolar disorder, current episode mixed, severe, without psychotic features	10	Diagnosis
F31.64	Bipolar disorder, current episode mixed, severe, with psychotic features	10	Diagnosis
F31.70	Bipolar disorder, currently in remission, most recent episode unspecified	10	Diagnosis
F31.71	Bipolar disorder, in partial remission, most recent episode hypomanic	10	Diagnosis
F31.72	Bipolar disorder, in full remission, most recent episode hypomanic	10	Diagnosis
F31.73	Bipolar disorder, in partial remission, most recent episode manic	10	Diagnosis
F31.74	Bipolar disorder, in full remission, most recent episode manic	10	Diagnosis
F31.75	Bipolar disorder, in partial remission, most recent episode depressed	10	Diagnosis
F31.76	Bipolar disorder, in full remission, most recent episode depressed	10	Diagnosis
F31.77	Bipolar disorder, in partial remission, most recent episode mixed	10	Diagnosis
F31.78	Bipolar disorder, in full remission, most recent episode mixed	10	Diagnosis
F31.81	Bipolar II disorder	10	Diagnosis
F31.89	Other bipolar disorder	10	Diagnosis
F31.9	Bipolar disorder, unspecified	10	Diagnosis
F32.0	Major depressive disorder, single episode, mild	10	Diagnosis
F32.1	Major depressive disorder, single episode, moderate	10	Diagnosis
F32.2	Major depressive disorder, single episode, severe without psychotic features	10	Diagnosis
F32.3	Major depressive disorder, single episode, severe with psychotic features	10	Diagnosis
F32.4	Major depressive disorder, single episode, in partial remission	10	Diagnosis
F32.5	Major depressive disorder, single episode, in full remission	10	Diagnosis
F32.89	Other specified depressive episodes	10	Diagnosis
F32.9	Major depressive disorder, single episode, unspecified	10	Diagnosis
F33.0	Major depressive disorder, recurrent, mild	10	Diagnosis
F33.1	Major depressive disorder, recurrent, moderate	10	Diagnosis
F33.2	Major depressive disorder, recurrent severe without psychotic features	10	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
F33.3	Major depressive disorder, recurrent, severe with psychotic symptoms	10	Diagnosis
F33.40	Major depressive disorder, recurrent, in remission, unspecified	10	Diagnosis
F33.41	Major depressive disorder, recurrent, in partial remission	10	Diagnosis
F33.42	Major depressive disorder, recurrent, in full remission	10	Diagnosis
F33.8	Other recurrent depressive disorders	10	Diagnosis
F33.9	Major depressive disorder, recurrent, unspecified	10	Diagnosis
F34.1	Dysthymic disorder	10	Diagnosis
F34.81	Disruptive mood dysregulation disorder	10	Diagnosis
F34.89	Other specified persistent mood disorders	10	Diagnosis
F34.9	Persistent mood [affective] disorder, unspecified	10	Diagnosis
F39	Unspecified mood [affective] disorder	10	Diagnosis
F40.00	Agoraphobia, unspecified	10	Diagnosis
F40.01	Agoraphobia with panic disorder	10	Diagnosis
F40.02	Agoraphobia without panic disorder	10	Diagnosis
F40.10	Social phobia, unspecified	10	Diagnosis
F40.11	Social phobia, generalized	10	Diagnosis
F40.210	Arachnophobia	10	Diagnosis
F40.218	Other animal type phobia	10	Diagnosis
F40.220	Fear of thunderstorms	10	Diagnosis
F40.228	Other natural environment type phobia	10	Diagnosis
F40.230	Fear of blood	10	Diagnosis
F40.231	Fear of injections and transfusions	10	Diagnosis
F40.232	Fear of other medical care	10	Diagnosis
F40.233	Fear of injury	10	Diagnosis
F40.240	Claustrophobia	10	Diagnosis
F40.241	Acrophobia	10	Diagnosis
F40.242	Fear of bridges	10	Diagnosis
F40.243	Fear of flying	10	Diagnosis
F40.248	Other situational type phobia	10	Diagnosis
F40.290	Androphobia	10	Diagnosis
F40.291	Gynephobia	10	Diagnosis
F40.298	Other specified phobia	10	Diagnosis
F40.8	Other phobic anxiety disorders	10	Diagnosis
F40.9	Phobic anxiety disorder, unspecified	10	Diagnosis
F41.0	Panic disorder [episodic paroxysmal anxiety]	10	Diagnosis
F41.1	Generalized anxiety disorder	10	Diagnosis
F41.3	Other mixed anxiety disorders	10	Diagnosis
F41.8	Other specified anxiety disorders	10	Diagnosis
F41.9	Anxiety disorder, unspecified	10	Diagnosis
F42	Obsessive-compulsive disorder	10	Diagnosis
F42.2	Mixed obsessional thoughts and acts	10	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
F42.3	Hoarding disorder	10	Diagnosis
F42.4	Excoriation (skin-picking) disorder	10	Diagnosis
F42.8	Other obsessive-compulsive disorder	10	Diagnosis
F42.9	Obsessive-compulsive disorder, unspecified	10	Diagnosis
F43.0	Acute stress reaction	10	Diagnosis
F43.10	Post-traumatic stress disorder, unspecified	10	Diagnosis
F43.11	Post-traumatic stress disorder, acute	10	Diagnosis
F43.12	Post-traumatic stress disorder, chronic	10	Diagnosis
F43.21	Adjustment disorder with depressed mood	10	Diagnosis
F43.23	Adjustment disorder with mixed anxiety and depressed mood	10	Diagnosis
F44.89	Other dissociative and conversion disorders	10	Diagnosis
F44.9	Dissociative and conversion disorder, unspecified	10	Diagnosis
F45.8	Other somatoform disorders	10	Diagnosis
F48.8	Other specified nonpsychotic mental disorders	10	Diagnosis
F48.9	Nonpsychotic mental disorder, unspecified	10	Diagnosis
<b>Pulmonary Hypertension</b>			
416.0	Primary pulmonary hypertension	09	Diagnosis
416.8	Other chronic pulmonary heart diseases	09	Diagnosis
416.9	Unspecified chronic pulmonary heart disease	09	Diagnosis
I27.0	Primary pulmonary hypertension	10	Diagnosis
I27.20	Pulmonary hypertension, unspecified	10	Diagnosis
I27.21	Secondary pulmonary arterial hypertension	10	Diagnosis
I27.22	Pulmonary hypertension due to left heart disease	10	Diagnosis
I27.23	Pulmonary hypertension due to lung diseases and hypoxia	10	Diagnosis
I27.24	Chronic thromboembolic pulmonary hypertension	10	Diagnosis
I27.29	Other secondary pulmonary hypertension	10	Diagnosis
I27.81	Cor pulmonale (chronic)	10	Diagnosis
I27.89	Other specified pulmonary heart diseases	10	Diagnosis
I27.9	Pulmonary heart disease, unspecified	10	Diagnosis
<b>Rheumatoid Arthritis</b>			
714.0	Rheumatoid arthritis	09	Diagnosis
714.1	Felty's syndrome	09	Diagnosis
714.2	Other rheumatoid arthritis with visceral or systemic involvement	09	Diagnosis
714.30	Polyarticular juvenile rheumatoid arthritis, chronic or unspecified	09	Diagnosis
714.31	Polyarticular juvenile rheumatoid arthritis, acute	09	Diagnosis
714.32	Pauciarticular juvenile rheumatoid arthritis	09	Diagnosis
714.33	Monoarticular juvenile rheumatoid arthritis	09	Diagnosis
M05.00	Felty's syndrome, unspecified site	10	Diagnosis
M05.011	Felty's syndrome, right shoulder	10	Diagnosis
M05.012	Felty's syndrome, left shoulder	10	Diagnosis
M05.019	Felty's syndrome, unspecified shoulder	10	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
M05.021	Felty's syndrome, right elbow	10	Diagnosis
M05.022	Felty's syndrome, left elbow	10	Diagnosis
M05.029	Felty's syndrome, unspecified elbow	10	Diagnosis
M05.031	Felty's syndrome, right wrist	10	Diagnosis
M05.032	Felty's syndrome, left wrist	10	Diagnosis
M05.039	Felty's syndrome, unspecified wrist	10	Diagnosis
M05.041	Felty's syndrome, right hand	10	Diagnosis
M05.042	Felty's syndrome, left hand	10	Diagnosis
M05.049	Felty's syndrome, unspecified hand	10	Diagnosis
M05.051	Felty's syndrome, right hip	10	Diagnosis
M05.052	Felty's syndrome, left hip	10	Diagnosis
M05.059	Felty's syndrome, unspecified hip	10	Diagnosis
M05.061	Felty's syndrome, right knee	10	Diagnosis
M05.062	Felty's syndrome, left knee	10	Diagnosis
M05.069	Felty's syndrome, unspecified knee	10	Diagnosis
M05.071	Felty's syndrome, right ankle and foot	10	Diagnosis
M05.072	Felty's syndrome, left ankle and foot	10	Diagnosis
M05.079	Felty's syndrome, unspecified ankle and foot	10	Diagnosis
M05.09	Felty's syndrome, multiple sites	10	Diagnosis
M05.20	Rheumatoid vasculitis with rheumatoid arthritis of unspecified site	10	Diagnosis
M05.211	Rheumatoid vasculitis with rheumatoid arthritis of right shoulder	10	Diagnosis
M05.212	Rheumatoid vasculitis with rheumatoid arthritis of left shoulder	10	Diagnosis
M05.219	Rheumatoid vasculitis with rheumatoid arthritis of unspecified shoulder	10	Diagnosis
M05.221	Rheumatoid vasculitis with rheumatoid arthritis of right elbow	10	Diagnosis
M05.222	Rheumatoid vasculitis with rheumatoid arthritis of left elbow	10	Diagnosis
M05.229	Rheumatoid vasculitis with rheumatoid arthritis of unspecified elbow	10	Diagnosis
M05.231	Rheumatoid vasculitis with rheumatoid arthritis of right wrist	10	Diagnosis
M05.232	Rheumatoid vasculitis with rheumatoid arthritis of left wrist	10	Diagnosis
M05.239	Rheumatoid vasculitis with rheumatoid arthritis of unspecified wrist	10	Diagnosis
M05.241	Rheumatoid vasculitis with rheumatoid arthritis of right hand	10	Diagnosis
M05.242	Rheumatoid vasculitis with rheumatoid arthritis of left hand	10	Diagnosis
M05.249	Rheumatoid vasculitis with rheumatoid arthritis of unspecified hand	10	Diagnosis
M05.251	Rheumatoid vasculitis with rheumatoid arthritis of right hip	10	Diagnosis
M05.252	Rheumatoid vasculitis with rheumatoid arthritis of left hip	10	Diagnosis
M05.259	Rheumatoid vasculitis with rheumatoid arthritis of unspecified hip	10	Diagnosis
M05.261	Rheumatoid vasculitis with rheumatoid arthritis of right knee	10	Diagnosis
M05.262	Rheumatoid vasculitis with rheumatoid arthritis of left knee	10	Diagnosis
M05.269	Rheumatoid vasculitis with rheumatoid arthritis of unspecified knee	10	Diagnosis
M05.271	Rheumatoid vasculitis with rheumatoid arthritis of right ankle and foot	10	Diagnosis
M05.272	Rheumatoid vasculitis with rheumatoid arthritis of left ankle and foot	10	Diagnosis
M05.279	Rheumatoid vasculitis with rheumatoid arthritis of unspecified ankle and foot	10	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
M05.29	Rheumatoid vasculitis with rheumatoid arthritis of multiple sites	10	Diagnosis
M05.30	Rheumatoid heart disease with rheumatoid arthritis of unspecified site	10	Diagnosis
M05.311	Rheumatoid heart disease with rheumatoid arthritis of right shoulder	10	Diagnosis
M05.312	Rheumatoid heart disease with rheumatoid arthritis of left shoulder	10	Diagnosis
M05.319	Rheumatoid heart disease with rheumatoid arthritis of unspecified shoulder	10	Diagnosis
M05.321	Rheumatoid heart disease with rheumatoid arthritis of right elbow	10	Diagnosis
M05.322	Rheumatoid heart disease with rheumatoid arthritis of left elbow	10	Diagnosis
M05.329	Rheumatoid heart disease with rheumatoid arthritis of unspecified elbow	10	Diagnosis
M05.331	Rheumatoid heart disease with rheumatoid arthritis of right wrist	10	Diagnosis
M05.332	Rheumatoid heart disease with rheumatoid arthritis of left wrist	10	Diagnosis
M05.339	Rheumatoid heart disease with rheumatoid arthritis of unspecified wrist	10	Diagnosis
M05.341	Rheumatoid heart disease with rheumatoid arthritis of right hand	10	Diagnosis
M05.342	Rheumatoid heart disease with rheumatoid arthritis of left hand	10	Diagnosis
M05.349	Rheumatoid heart disease with rheumatoid arthritis of unspecified hand	10	Diagnosis
M05.351	Rheumatoid heart disease with rheumatoid arthritis of right hip	10	Diagnosis
M05.352	Rheumatoid heart disease with rheumatoid arthritis of left hip	10	Diagnosis
M05.359	Rheumatoid heart disease with rheumatoid arthritis of unspecified hip	10	Diagnosis
M05.361	Rheumatoid heart disease with rheumatoid arthritis of right knee	10	Diagnosis
M05.362	Rheumatoid heart disease with rheumatoid arthritis of left knee	10	Diagnosis
M05.369	Rheumatoid heart disease with rheumatoid arthritis of unspecified knee	10	Diagnosis
M05.371	Rheumatoid heart disease with rheumatoid arthritis of right ankle and foot	10	Diagnosis
M05.372	Rheumatoid heart disease with rheumatoid arthritis of left ankle and foot	10	Diagnosis
M05.379	Rheumatoid heart disease with rheumatoid arthritis of unspecified ankle and foot	10	Diagnosis
M05.39	Rheumatoid heart disease with rheumatoid arthritis of multiple sites	10	Diagnosis
M05.40	Rheumatoid myopathy with rheumatoid arthritis of unspecified site	10	Diagnosis
M05.411	Rheumatoid myopathy with rheumatoid arthritis of right shoulder	10	Diagnosis
M05.412	Rheumatoid myopathy with rheumatoid arthritis of left shoulder	10	Diagnosis
M05.419	Rheumatoid myopathy with rheumatoid arthritis of unspecified shoulder	10	Diagnosis
M05.421	Rheumatoid myopathy with rheumatoid arthritis of right elbow	10	Diagnosis
M05.422	Rheumatoid myopathy with rheumatoid arthritis of left elbow	10	Diagnosis
M05.429	Rheumatoid myopathy with rheumatoid arthritis of unspecified elbow	10	Diagnosis
M05.431	Rheumatoid myopathy with rheumatoid arthritis of right wrist	10	Diagnosis
M05.432	Rheumatoid myopathy with rheumatoid arthritis of left wrist	10	Diagnosis
M05.439	Rheumatoid myopathy with rheumatoid arthritis of unspecified wrist	10	Diagnosis
M05.441	Rheumatoid myopathy with rheumatoid arthritis of right hand	10	Diagnosis
M05.442	Rheumatoid myopathy with rheumatoid arthritis of left hand	10	Diagnosis
M05.449	Rheumatoid myopathy with rheumatoid arthritis of unspecified hand	10	Diagnosis
M05.451	Rheumatoid myopathy with rheumatoid arthritis of right hip	10	Diagnosis
M05.452	Rheumatoid myopathy with rheumatoid arthritis of left hip	10	Diagnosis
M05.459	Rheumatoid myopathy with rheumatoid arthritis of unspecified hip	10	Diagnosis
M05.461	Rheumatoid myopathy with rheumatoid arthritis of right knee	10	Diagnosis



**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
M05.462	Rheumatoid myopathy with rheumatoid arthritis of left knee	10	Diagnosis
M05.469	Rheumatoid myopathy with rheumatoid arthritis of unspecified knee	10	Diagnosis
M05.471	Rheumatoid myopathy with rheumatoid arthritis of right ankle and foot	10	Diagnosis
M05.472	Rheumatoid myopathy with rheumatoid arthritis of left ankle and foot	10	Diagnosis
M05.479	Rheumatoid myopathy with rheumatoid arthritis of unspecified ankle and foot	10	Diagnosis
M05.49	Rheumatoid myopathy with rheumatoid arthritis of multiple sites	10	Diagnosis
M05.50	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified site	10	Diagnosis
M05.511	Rheumatoid polyneuropathy with rheumatoid arthritis of right shoulder	10	Diagnosis
M05.512	Rheumatoid polyneuropathy with rheumatoid arthritis of left shoulder	10	Diagnosis
M05.519	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified shoulder	10	Diagnosis
M05.521	Rheumatoid polyneuropathy with rheumatoid arthritis of right elbow	10	Diagnosis
M05.522	Rheumatoid polyneuropathy with rheumatoid arthritis of left elbow	10	Diagnosis
M05.529	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified elbow	10	Diagnosis
M05.531	Rheumatoid polyneuropathy with rheumatoid arthritis of right wrist	10	Diagnosis
M05.532	Rheumatoid polyneuropathy with rheumatoid arthritis of left wrist	10	Diagnosis
M05.539	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified wrist	10	Diagnosis
M05.541	Rheumatoid polyneuropathy with rheumatoid arthritis of right hand	10	Diagnosis
M05.542	Rheumatoid polyneuropathy with rheumatoid arthritis of left hand	10	Diagnosis
M05.549	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified hand	10	Diagnosis
M05.551	Rheumatoid polyneuropathy with rheumatoid arthritis of right hip	10	Diagnosis
M05.552	Rheumatoid polyneuropathy with rheumatoid arthritis of left hip	10	Diagnosis
M05.559	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified hip	10	Diagnosis
M05.561	Rheumatoid polyneuropathy with rheumatoid arthritis of right knee	10	Diagnosis
M05.562	Rheumatoid polyneuropathy with rheumatoid arthritis of left knee	10	Diagnosis
M05.569	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified knee	10	Diagnosis
M05.571	Rheumatoid polyneuropathy with rheumatoid arthritis of right ankle and foot	10	Diagnosis
M05.572	Rheumatoid polyneuropathy with rheumatoid arthritis of left ankle and foot	10	Diagnosis
M05.579	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified ankle and foot	10	Diagnosis
M05.59	Rheumatoid polyneuropathy with rheumatoid arthritis of multiple sites	10	Diagnosis
M05.60	Rheumatoid arthritis of unspecified site with involvement of other organs and systems	10	Diagnosis
M05.611	Rheumatoid arthritis of right shoulder with involvement of other organs and systems	10	Diagnosis
M05.612	Rheumatoid arthritis of left shoulder with involvement of other organs and systems	10	Diagnosis
M05.619	Rheumatoid arthritis of unspecified shoulder with involvement of other organs and systems	10	Diagnosis
M05.621	Rheumatoid arthritis of right elbow with involvement of other organs and systems	10	Diagnosis
M05.622	Rheumatoid arthritis of left elbow with involvement of other organs and systems	10	Diagnosis
M05.629	Rheumatoid arthritis of unspecified elbow with involvement of other organs and systems	10	Diagnosis
M05.631	Rheumatoid arthritis of right wrist with involvement of other organs and systems	10	Diagnosis
M05.632	Rheumatoid arthritis of left wrist with involvement of other organs and systems	10	Diagnosis
M05.639	Rheumatoid arthritis of unspecified wrist with involvement of other organs and systems	10	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
M05.641	Rheumatoid arthritis of right hand with involvement of other organs and systems	10	Diagnosis
M05.642	Rheumatoid arthritis of left hand with involvement of other organs and systems	10	Diagnosis
M05.649	Rheumatoid arthritis of unspecified hand with involvement of other organs and systems	10	Diagnosis
M05.651	Rheumatoid arthritis of right hip with involvement of other organs and systems	10	Diagnosis
M05.652	Rheumatoid arthritis of left hip with involvement of other organs and systems	10	Diagnosis
M05.659	Rheumatoid arthritis of unspecified hip with involvement of other organs and systems	10	Diagnosis
M05.661	Rheumatoid arthritis of right knee with involvement of other organs and systems	10	Diagnosis
M05.662	Rheumatoid arthritis of left knee with involvement of other organs and systems	10	Diagnosis
M05.669	Rheumatoid arthritis of unspecified knee with involvement of other organs and systems	10	Diagnosis
M05.671	Rheumatoid arthritis of right ankle and foot with involvement of other organs and systems	10	Diagnosis
M05.672	Rheumatoid arthritis of left ankle and foot with involvement of other organs and systems	10	Diagnosis
M05.679	Rheumatoid arthritis of unspecified ankle and foot with involvement of other organs and systems	10	Diagnosis
M05.69	Rheumatoid arthritis of multiple sites with involvement of other organs and systems	10	Diagnosis
M05.70	Rheumatoid arthritis with rheumatoid factor of unspecified site without organ or systems involvement	10	Diagnosis
M05.711	Rheumatoid arthritis with rheumatoid factor of right shoulder without organ or systems involvement	10	Diagnosis
M05.712	Rheumatoid arthritis with rheumatoid factor of left shoulder without organ or systems involvement	10	Diagnosis
M05.719	Rheumatoid arthritis with rheumatoid factor of unspecified shoulder without organ or systems involvement	10	Diagnosis
M05.721	Rheumatoid arthritis with rheumatoid factor of right elbow without organ or systems involvement	10	Diagnosis
M05.722	Rheumatoid arthritis with rheumatoid factor of left elbow without organ or systems involvement	10	Diagnosis
M05.729	Rheumatoid arthritis with rheumatoid factor of unspecified elbow without organ or systems involvement	10	Diagnosis
M05.731	Rheumatoid arthritis with rheumatoid factor of right wrist without organ or systems involvement	10	Diagnosis
M05.732	Rheumatoid arthritis with rheumatoid factor of left wrist without organ or systems involvement	10	Diagnosis
M05.739	Rheumatoid arthritis with rheumatoid factor of unspecified wrist without organ or systems involvement	10	Diagnosis
M05.741	Rheumatoid arthritis with rheumatoid factor of right hand without organ or systems involvement	10	Diagnosis
M05.742	Rheumatoid arthritis with rheumatoid factor of left hand without organ or systems involvement	10	Diagnosis
M05.749	Rheumatoid arthritis with rheumatoid factor of unspecified hand without organ or systems involvement	10	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
M05.751	Rheumatoid arthritis with rheumatoid factor of right hip without organ or systems involvement	10	Diagnosis
M05.752	Rheumatoid arthritis with rheumatoid factor of left hip without organ or systems involvement	10	Diagnosis
M05.759	Rheumatoid arthritis with rheumatoid factor of unspecified hip without organ or systems involvement	10	Diagnosis
M05.761	Rheumatoid arthritis with rheumatoid factor of right knee without organ or systems involvement	10	Diagnosis
M05.762	Rheumatoid arthritis with rheumatoid factor of left knee without organ or systems involvement	10	Diagnosis
M05.769	Rheumatoid arthritis with rheumatoid factor of unspecified knee without organ or systems involvement	10	Diagnosis
M05.771	Rheumatoid arthritis with rheumatoid factor of right ankle and foot without organ or systems involvement	10	Diagnosis
M05.772	Rheumatoid arthritis with rheumatoid factor of left ankle and foot without organ or systems involvement	10	Diagnosis
M05.779	Rheumatoid arthritis with rheumatoid factor of unspecified ankle and foot without organ or systems involvement	10	Diagnosis
M05.79	Rheumatoid arthritis with rheumatoid factor of multiple sites without organ or systems involvement	10	Diagnosis
M05.80	Other rheumatoid arthritis with rheumatoid factor of unspecified site	10	Diagnosis
M05.811	Other rheumatoid arthritis with rheumatoid factor of right shoulder	10	Diagnosis
M05.812	Other rheumatoid arthritis with rheumatoid factor of left shoulder	10	Diagnosis
M05.819	Other rheumatoid arthritis with rheumatoid factor of unspecified shoulder	10	Diagnosis
M05.821	Other rheumatoid arthritis with rheumatoid factor of right elbow	10	Diagnosis
M05.822	Other rheumatoid arthritis with rheumatoid factor of left elbow	10	Diagnosis
M05.829	Other rheumatoid arthritis with rheumatoid factor of unspecified elbow	10	Diagnosis
M05.831	Other rheumatoid arthritis with rheumatoid factor of right wrist	10	Diagnosis
M05.832	Other rheumatoid arthritis with rheumatoid factor of left wrist	10	Diagnosis
M05.839	Other rheumatoid arthritis with rheumatoid factor of unspecified wrist	10	Diagnosis
M05.841	Other rheumatoid arthritis with rheumatoid factor of right hand	10	Diagnosis
M05.842	Other rheumatoid arthritis with rheumatoid factor of left hand	10	Diagnosis
M05.849	Other rheumatoid arthritis with rheumatoid factor of unspecified hand	10	Diagnosis
M05.851	Other rheumatoid arthritis with rheumatoid factor of right hip	10	Diagnosis
M05.852	Other rheumatoid arthritis with rheumatoid factor of left hip	10	Diagnosis
M05.859	Other rheumatoid arthritis with rheumatoid factor of unspecified hip	10	Diagnosis
M05.861	Other rheumatoid arthritis with rheumatoid factor of right knee	10	Diagnosis
M05.862	Other rheumatoid arthritis with rheumatoid factor of left knee	10	Diagnosis
M05.869	Other rheumatoid arthritis with rheumatoid factor of unspecified knee	10	Diagnosis
M05.871	Other rheumatoid arthritis with rheumatoid factor of right ankle and foot	10	Diagnosis
M05.872	Other rheumatoid arthritis with rheumatoid factor of left ankle and foot	10	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
M05.879	Other rheumatoid arthritis with rheumatoid factor of unspecified ankle and foot	10	Diagnosis
M05.89	Other rheumatoid arthritis with rheumatoid factor of multiple sites	10	Diagnosis
M05.9	Rheumatoid arthritis with rheumatoid factor, unspecified	10	Diagnosis
M06.00	Rheumatoid arthritis without rheumatoid factor, unspecified site	10	Diagnosis
M06.011	Rheumatoid arthritis without rheumatoid factor, right shoulder	10	Diagnosis
M06.012	Rheumatoid arthritis without rheumatoid factor, left shoulder	10	Diagnosis
M06.019	Rheumatoid arthritis without rheumatoid factor, unspecified shoulder	10	Diagnosis
M06.021	Rheumatoid arthritis without rheumatoid factor, right elbow	10	Diagnosis
M06.022	Rheumatoid arthritis without rheumatoid factor, left elbow	10	Diagnosis
M06.029	Rheumatoid arthritis without rheumatoid factor, unspecified elbow	10	Diagnosis
M06.031	Rheumatoid arthritis without rheumatoid factor, right wrist	10	Diagnosis
M06.032	Rheumatoid arthritis without rheumatoid factor, left wrist	10	Diagnosis
M06.039	Rheumatoid arthritis without rheumatoid factor, unspecified wrist	10	Diagnosis
M06.041	Rheumatoid arthritis without rheumatoid factor, right hand	10	Diagnosis
M06.042	Rheumatoid arthritis without rheumatoid factor, left hand	10	Diagnosis
M06.049	Rheumatoid arthritis without rheumatoid factor, unspecified hand	10	Diagnosis
M06.051	Rheumatoid arthritis without rheumatoid factor, right hip	10	Diagnosis
M06.052	Rheumatoid arthritis without rheumatoid factor, left hip	10	Diagnosis
M06.059	Rheumatoid arthritis without rheumatoid factor, unspecified hip	10	Diagnosis
M06.061	Rheumatoid arthritis without rheumatoid factor, right knee	10	Diagnosis
M06.062	Rheumatoid arthritis without rheumatoid factor, left knee	10	Diagnosis
M06.069	Rheumatoid arthritis without rheumatoid factor, unspecified knee	10	Diagnosis
M06.071	Rheumatoid arthritis without rheumatoid factor, right ankle and foot	10	Diagnosis
M06.072	Rheumatoid arthritis without rheumatoid factor, left ankle and foot	10	Diagnosis
M06.079	Rheumatoid arthritis without rheumatoid factor, unspecified ankle and foot	10	Diagnosis
M06.08	Rheumatoid arthritis without rheumatoid factor, vertebrae	10	Diagnosis
M06.09	Rheumatoid arthritis without rheumatoid factor, multiple sites	10	Diagnosis
M06.1	Adult-onset Still's disease	10	Diagnosis
M06.20	Rheumatoid bursitis, unspecified site	10	Diagnosis
M06.211	Rheumatoid bursitis, right shoulder	10	Diagnosis
M06.212	Rheumatoid bursitis, left shoulder	10	Diagnosis
M06.219	Rheumatoid bursitis, unspecified shoulder	10	Diagnosis
M06.221	Rheumatoid bursitis, right elbow	10	Diagnosis
M06.222	Rheumatoid bursitis, left elbow	10	Diagnosis
M06.229	Rheumatoid bursitis, unspecified elbow	10	Diagnosis
M06.231	Rheumatoid bursitis, right wrist	10	Diagnosis
M06.232	Rheumatoid bursitis, left wrist	10	Diagnosis
M06.239	Rheumatoid bursitis, unspecified wrist	10	Diagnosis
M06.241	Rheumatoid bursitis, right hand	10	Diagnosis
M06.242	Rheumatoid bursitis, left hand	10	Diagnosis
M06.249	Rheumatoid bursitis, unspecified hand	10	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
M06.251	Rheumatoid bursitis, right hip	10	Diagnosis
M06.252	Rheumatoid bursitis, left hip	10	Diagnosis
M06.259	Rheumatoid bursitis, unspecified hip	10	Diagnosis
M06.261	Rheumatoid bursitis, right knee	10	Diagnosis
M06.262	Rheumatoid bursitis, left knee	10	Diagnosis
M06.269	Rheumatoid bursitis, unspecified knee	10	Diagnosis
M06.271	Rheumatoid bursitis, right ankle and foot	10	Diagnosis
M06.272	Rheumatoid bursitis, left ankle and foot	10	Diagnosis
M06.279	Rheumatoid bursitis, unspecified ankle and foot	10	Diagnosis
M06.28	Rheumatoid bursitis, vertebrae	10	Diagnosis
M06.29	Rheumatoid bursitis, multiple sites	10	Diagnosis
M06.30	Rheumatoid nodule, unspecified site	10	Diagnosis
M06.311	Rheumatoid nodule, right shoulder	10	Diagnosis
M06.312	Rheumatoid nodule, left shoulder	10	Diagnosis
M06.319	Rheumatoid nodule, unspecified shoulder	10	Diagnosis
M06.321	Rheumatoid nodule, right elbow	10	Diagnosis
M06.322	Rheumatoid nodule, left elbow	10	Diagnosis
M06.329	Rheumatoid nodule, unspecified elbow	10	Diagnosis
M06.331	Rheumatoid nodule, right wrist	10	Diagnosis
M06.332	Rheumatoid nodule, left wrist	10	Diagnosis
M06.339	Rheumatoid nodule, unspecified wrist	10	Diagnosis
M06.341	Rheumatoid nodule, right hand	10	Diagnosis
M06.342	Rheumatoid nodule, left hand	10	Diagnosis
M06.349	Rheumatoid nodule, unspecified hand	10	Diagnosis
M06.351	Rheumatoid nodule, right hip	10	Diagnosis
M06.352	Rheumatoid nodule, left hip	10	Diagnosis
M06.359	Rheumatoid nodule, unspecified hip	10	Diagnosis
M06.361	Rheumatoid nodule, right knee	10	Diagnosis
M06.362	Rheumatoid nodule, left knee	10	Diagnosis
M06.369	Rheumatoid nodule, unspecified knee	10	Diagnosis
M06.371	Rheumatoid nodule, right ankle and foot	10	Diagnosis
M06.372	Rheumatoid nodule, left ankle and foot	10	Diagnosis
M06.379	Rheumatoid nodule, unspecified ankle and foot	10	Diagnosis
M06.38	Rheumatoid nodule, vertebrae	10	Diagnosis
M06.39	Rheumatoid nodule, multiple sites	10	Diagnosis
M06.80	Other specified rheumatoid arthritis, unspecified site	10	Diagnosis
M06.811	Other specified rheumatoid arthritis, right shoulder	10	Diagnosis
M06.812	Other specified rheumatoid arthritis, left shoulder	10	Diagnosis
M06.819	Other specified rheumatoid arthritis, unspecified shoulder	10	Diagnosis
M06.821	Other specified rheumatoid arthritis, right elbow	10	Diagnosis
M06.822	Other specified rheumatoid arthritis, left elbow	10	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
M06.829	Other specified rheumatoid arthritis, unspecified elbow	10	Diagnosis
M06.831	Other specified rheumatoid arthritis, right wrist	10	Diagnosis
M06.832	Other specified rheumatoid arthritis, left wrist	10	Diagnosis
M06.839	Other specified rheumatoid arthritis, unspecified wrist	10	Diagnosis
M06.841	Other specified rheumatoid arthritis, right hand	10	Diagnosis
M06.842	Other specified rheumatoid arthritis, left hand	10	Diagnosis
M06.849	Other specified rheumatoid arthritis, unspecified hand	10	Diagnosis
M06.851	Other specified rheumatoid arthritis, right hip	10	Diagnosis
M06.852	Other specified rheumatoid arthritis, left hip	10	Diagnosis
M06.859	Other specified rheumatoid arthritis, unspecified hip	10	Diagnosis
M06.861	Other specified rheumatoid arthritis, right knee	10	Diagnosis
M06.862	Other specified rheumatoid arthritis, left knee	10	Diagnosis
M06.869	Other specified rheumatoid arthritis, unspecified knee	10	Diagnosis
M06.871	Other specified rheumatoid arthritis, right ankle and foot	10	Diagnosis
M06.872	Other specified rheumatoid arthritis, left ankle and foot	10	Diagnosis
M06.879	Other specified rheumatoid arthritis, unspecified ankle and foot	10	Diagnosis
M06.88	Other specified rheumatoid arthritis, vertebrae	10	Diagnosis
M06.89	Other specified rheumatoid arthritis, multiple sites	10	Diagnosis
M06.9	Rheumatoid arthritis, unspecified	10	Diagnosis
M08.00	Unspecified juvenile rheumatoid arthritis of unspecified site	10	Diagnosis
M08.011	Unspecified juvenile rheumatoid arthritis, right shoulder	10	Diagnosis
M08.012	Unspecified juvenile rheumatoid arthritis, left shoulder	10	Diagnosis
M08.019	Unspecified juvenile rheumatoid arthritis, unspecified shoulder	10	Diagnosis
M08.021	Unspecified juvenile rheumatoid arthritis, right elbow	10	Diagnosis
M08.022	Unspecified juvenile rheumatoid arthritis, left elbow	10	Diagnosis
M08.029	Unspecified juvenile rheumatoid arthritis, unspecified elbow	10	Diagnosis
M08.031	Unspecified juvenile rheumatoid arthritis, right wrist	10	Diagnosis
M08.032	Unspecified juvenile rheumatoid arthritis, left wrist	10	Diagnosis
M08.039	Unspecified juvenile rheumatoid arthritis, unspecified wrist	10	Diagnosis
M08.041	Unspecified juvenile rheumatoid arthritis, right hand	10	Diagnosis
M08.042	Unspecified juvenile rheumatoid arthritis, left hand	10	Diagnosis
M08.049	Unspecified juvenile rheumatoid arthritis, unspecified hand	10	Diagnosis
M08.051	Unspecified juvenile rheumatoid arthritis, right hip	10	Diagnosis
M08.052	Unspecified juvenile rheumatoid arthritis, left hip	10	Diagnosis
M08.059	Unspecified juvenile rheumatoid arthritis, unspecified hip	10	Diagnosis
M08.061	Unspecified juvenile rheumatoid arthritis, right knee	10	Diagnosis
M08.062	Unspecified juvenile rheumatoid arthritis, left knee	10	Diagnosis
M08.069	Unspecified juvenile rheumatoid arthritis, unspecified knee	10	Diagnosis
M08.071	Unspecified juvenile rheumatoid arthritis, right ankle and foot	10	Diagnosis
M08.072	Unspecified juvenile rheumatoid arthritis, left ankle and foot	10	Diagnosis
M08.079	Unspecified juvenile rheumatoid arthritis, unspecified ankle and foot	10	Diagnosis



**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
M08.08	Unspecified juvenile rheumatoid arthritis, vertebrae	10	Diagnosis
M08.09	Unspecified juvenile rheumatoid arthritis, multiple sites	10	Diagnosis
M08.20	Juvenile rheumatoid arthritis with systemic onset, unspecified site	10	Diagnosis
M08.211	Juvenile rheumatoid arthritis with systemic onset, right shoulder	10	Diagnosis
M08.212	Juvenile rheumatoid arthritis with systemic onset, left shoulder	10	Diagnosis
M08.219	Juvenile rheumatoid arthritis with systemic onset, unspecified shoulder	10	Diagnosis
M08.221	Juvenile rheumatoid arthritis with systemic onset, right elbow	10	Diagnosis
M08.222	Juvenile rheumatoid arthritis with systemic onset, left elbow	10	Diagnosis
M08.229	Juvenile rheumatoid arthritis with systemic onset, unspecified elbow	10	Diagnosis
M08.231	Juvenile rheumatoid arthritis with systemic onset, right wrist	10	Diagnosis
M08.232	Juvenile rheumatoid arthritis with systemic onset, left wrist	10	Diagnosis
M08.239	Juvenile rheumatoid arthritis with systemic onset, unspecified wrist	10	Diagnosis
M08.241	Juvenile rheumatoid arthritis with systemic onset, right hand	10	Diagnosis
M08.242	Juvenile rheumatoid arthritis with systemic onset, left hand	10	Diagnosis
M08.249	Juvenile rheumatoid arthritis with systemic onset, unspecified hand	10	Diagnosis
M08.251	Juvenile rheumatoid arthritis with systemic onset, right hip	10	Diagnosis
M08.252	Juvenile rheumatoid arthritis with systemic onset, left hip	10	Diagnosis
M08.259	Juvenile rheumatoid arthritis with systemic onset, unspecified hip	10	Diagnosis
M08.261	Juvenile rheumatoid arthritis with systemic onset, right knee	10	Diagnosis
M08.262	Juvenile rheumatoid arthritis with systemic onset, left knee	10	Diagnosis
M08.269	Juvenile rheumatoid arthritis with systemic onset, unspecified knee	10	Diagnosis
M08.271	Juvenile rheumatoid arthritis with systemic onset, right ankle and foot	10	Diagnosis
M08.272	Juvenile rheumatoid arthritis with systemic onset, left ankle and foot	10	Diagnosis
M08.279	Juvenile rheumatoid arthritis with systemic onset, unspecified ankle and foot	10	Diagnosis
M08.28	Juvenile rheumatoid arthritis with systemic onset, vertebrae	10	Diagnosis
M08.29	Juvenile rheumatoid arthritis with systemic onset, multiple sites	10	Diagnosis
M08.3	Juvenile rheumatoid polyarthritis (seronegative)	10	Diagnosis
M08.40	Pauciarticular juvenile rheumatoid arthritis, unspecified site	10	Diagnosis
M08.411	Pauciarticular juvenile rheumatoid arthritis, right shoulder	10	Diagnosis
M08.412	Pauciarticular juvenile rheumatoid arthritis, left shoulder	10	Diagnosis
M08.419	Pauciarticular juvenile rheumatoid arthritis, unspecified shoulder	10	Diagnosis
M08.421	Pauciarticular juvenile rheumatoid arthritis, right elbow	10	Diagnosis
M08.422	Pauciarticular juvenile rheumatoid arthritis, left elbow	10	Diagnosis
M08.429	Pauciarticular juvenile rheumatoid arthritis, unspecified elbow	10	Diagnosis
M08.431	Pauciarticular juvenile rheumatoid arthritis, right wrist	10	Diagnosis
M08.432	Pauciarticular juvenile rheumatoid arthritis, left wrist	10	Diagnosis
M08.439	Pauciarticular juvenile rheumatoid arthritis, unspecified wrist	10	Diagnosis
M08.441	Pauciarticular juvenile rheumatoid arthritis, right hand	10	Diagnosis
M08.442	Pauciarticular juvenile rheumatoid arthritis, left hand	10	Diagnosis
M08.449	Pauciarticular juvenile rheumatoid arthritis, unspecified hand	10	Diagnosis
M08.451	Pauciarticular juvenile rheumatoid arthritis, right hip	10	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
M08.452	Pauciarticular juvenile rheumatoid arthritis, left hip	10	Diagnosis
M08.459	Pauciarticular juvenile rheumatoid arthritis, unspecified hip	10	Diagnosis
M08.461	Pauciarticular juvenile rheumatoid arthritis, right knee	10	Diagnosis
M08.462	Pauciarticular juvenile rheumatoid arthritis, left knee	10	Diagnosis
M08.469	Pauciarticular juvenile rheumatoid arthritis, unspecified knee	10	Diagnosis
M08.471	Pauciarticular juvenile rheumatoid arthritis, right ankle and foot	10	Diagnosis
M08.472	Pauciarticular juvenile rheumatoid arthritis, left ankle and foot	10	Diagnosis
M08.479	Pauciarticular juvenile rheumatoid arthritis, unspecified ankle and foot	10	Diagnosis
M08.48	Pauciarticular juvenile rheumatoid arthritis, vertebrae	10	Diagnosis
M08.80	Other juvenile arthritis, unspecified site	10	Diagnosis
M08.811	Other juvenile arthritis, right shoulder	10	Diagnosis
M08.812	Other juvenile arthritis, left shoulder	10	Diagnosis
M08.819	Other juvenile arthritis, unspecified shoulder	10	Diagnosis
M08.821	Other juvenile arthritis, right elbow	10	Diagnosis
M08.822	Other juvenile arthritis, left elbow	10	Diagnosis
M08.829	Other juvenile arthritis, unspecified elbow	10	Diagnosis
M08.831	Other juvenile arthritis, right wrist	10	Diagnosis
M08.832	Other juvenile arthritis, left wrist	10	Diagnosis
M08.839	Other juvenile arthritis, unspecified wrist	10	Diagnosis
M08.841	Other juvenile arthritis, right hand	10	Diagnosis
M08.842	Other juvenile arthritis, left hand	10	Diagnosis
M08.849	Other juvenile arthritis, unspecified hand	10	Diagnosis
M08.851	Other juvenile arthritis, right hip	10	Diagnosis
M08.852	Other juvenile arthritis, left hip	10	Diagnosis
M08.859	Other juvenile arthritis, unspecified hip	10	Diagnosis
M08.861	Other juvenile arthritis, right knee	10	Diagnosis
M08.862	Other juvenile arthritis, left knee	10	Diagnosis
M08.869	Other juvenile arthritis, unspecified knee	10	Diagnosis
M08.871	Other juvenile arthritis, right ankle and foot	10	Diagnosis
M08.872	Other juvenile arthritis, left ankle and foot	10	Diagnosis
M08.879	Other juvenile arthritis, unspecified ankle and foot	10	Diagnosis
M08.88	Other juvenile arthritis, other specified site	10	Diagnosis
M08.89	Other juvenile arthritis, multiple sites	10	Diagnosis
M08.90	Juvenile arthritis, unspecified, unspecified site	10	Diagnosis
M08.911	Juvenile arthritis, unspecified, right shoulder	10	Diagnosis
M08.912	Juvenile arthritis, unspecified, left shoulder	10	Diagnosis
M08.919	Juvenile arthritis, unspecified, unspecified shoulder	10	Diagnosis
M08.921	Juvenile arthritis, unspecified, right elbow	10	Diagnosis
M08.922	Juvenile arthritis, unspecified, left elbow	10	Diagnosis
M08.929	Juvenile arthritis, unspecified, unspecified elbow	10	Diagnosis
M08.931	Juvenile arthritis, unspecified, right wrist	10	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
M08.932	Juvenile arthritis, unspecified, left wrist	10	Diagnosis
M08.939	Juvenile arthritis, unspecified, unspecified wrist	10	Diagnosis
M08.941	Juvenile arthritis, unspecified, right hand	10	Diagnosis
M08.942	Juvenile arthritis, unspecified, left hand	10	Diagnosis
M08.949	Juvenile arthritis, unspecified, unspecified hand	10	Diagnosis
M08.951	Juvenile arthritis, unspecified, right hip	10	Diagnosis
M08.952	Juvenile arthritis, unspecified, left hip	10	Diagnosis
M08.959	Juvenile arthritis, unspecified, unspecified hip	10	Diagnosis
M08.961	Juvenile arthritis, unspecified, right knee	10	Diagnosis
M08.962	Juvenile arthritis, unspecified, left knee	10	Diagnosis
M08.969	Juvenile arthritis, unspecified, unspecified knee	10	Diagnosis
M08.971	Juvenile arthritis, unspecified, right ankle and foot	10	Diagnosis
M08.972	Juvenile arthritis, unspecified, left ankle and foot	10	Diagnosis
M08.979	Juvenile arthritis, unspecified, unspecified ankle and foot	10	Diagnosis
M08.98	Juvenile arthritis, unspecified, vertebrae	10	Diagnosis
M08.99	Juvenile arthritis, unspecified, multiple sites	10	Diagnosis
<b>Sickle Cell Disease/Thalassemias</b>			
282.4	Thalassemias	09	Diagnosis
282.40	Thalassemia, unspecified	09	Diagnosis
282.41	Sickle-cell thalassemia without crisis	09	Diagnosis
282.42	Sickle-cell thalassemia with crisis	09	Diagnosis
282.43	Alpha thalassemia	09	Diagnosis
282.44	Beta thalassemia	09	Diagnosis
282.45	Delta-beta thalassemia	09	Diagnosis
282.46	Thalassemia minor	09	Diagnosis
282.47	Hemoglobin E-beta thalassemia	09	Diagnosis
282.49	Other thalassemia	09	Diagnosis
282.6	Sickle-cell disease	09	Diagnosis
282.60	Sickle-cell disease, unspecified	09	Diagnosis
282.61	Hb-SS disease without crisis	09	Diagnosis
282.62	Hb-SS disease with crisis	09	Diagnosis
282.63	Sickle-cell/Hb-C disease without crisis	09	Diagnosis
282.64	Sickle-cell/Hb-C disease with crisis	09	Diagnosis
282.68	Other sickle-cell disease without crisis	09	Diagnosis
282.69	Other sickle-cell disease with crisis	09	Diagnosis
D56.0	Alpha thalassemia	10	Diagnosis
D56.1	Beta thalassemia	10	Diagnosis
D56.2	Delta-beta thalassemia	10	Diagnosis
D56.3	Thalassemia minor	10	Diagnosis
D56.5	Hemoglobin E-beta thalassemia	10	Diagnosis
D56.8	Other thalassemias	10	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
D56.9	Thalassemia, unspecified	10	Diagnosis
D57.00	Hb-SS disease with crisis, unspecified	10	Diagnosis
D57.01	Hb-SS disease with acute chest syndrome	10	Diagnosis
D57.02	Hb-SS disease with splenic sequestration	10	Diagnosis
D57.1	Sickle-cell disease without crisis	10	Diagnosis
D57.20	Sickle-cell/Hb-C disease without crisis	10	Diagnosis
D57.211	Sickle-cell/Hb-C disease with acute chest syndrome	10	Diagnosis
D57.212	Sickle-cell/Hb-C disease with splenic sequestration	10	Diagnosis
D57.219	Sickle-cell/Hb-C disease with crisis, unspecified	10	Diagnosis
D57.40	Sickle-cell thalassemia without crisis	10	Diagnosis
D57.411	Sickle-cell thalassemia with acute chest syndrome	10	Diagnosis
D57.412	Sickle-cell thalassemia with splenic sequestration	10	Diagnosis
D57.419	Sickle-cell thalassemia with crisis, unspecified	10	Diagnosis
D57.80	Other sickle-cell disorders without crisis	10	Diagnosis
D57.811	Other sickle-cell disorders with acute chest syndrome	10	Diagnosis
D57.812	Other sickle-cell disorders with splenic sequestration	10	Diagnosis
D57.819	Other sickle-cell disorders with crisis, unspecified	10	Diagnosis
<b>Systemic Lupus Erythematosus</b>			
710.0	Systemic lupus erythematosus	09	Diagnosis
M32.0	Drug-induced systemic lupus erythematosus	10	Diagnosis
M32.10	Systemic lupus erythematosus, organ or system involvement unspecified	10	Diagnosis
M32.11	Endocarditis in systemic lupus erythematosus	10	Diagnosis
M32.12	Pericarditis in systemic lupus erythematosus	10	Diagnosis
M32.13	Lung involvement in systemic lupus erythematosus	10	Diagnosis
M32.14	Glomerular disease in systemic lupus erythematosus	10	Diagnosis
M32.15	Tubulo-interstitial nephropathy in systemic lupus erythematosus	10	Diagnosis
M32.19	Other organ or system involvement in systemic lupus erythematosus	10	Diagnosis
M32.8	Other forms of systemic lupus erythematosus	10	Diagnosis
M32.9	Systemic lupus erythematosus, unspecified	10	Diagnosis
<b>Tobacco Use</b>			
305.1	Nondependent tobacco use disorder	09	Diagnosis
649.0	Tobacco use disorder complicating pregnancy, childbirth, or the puerperium	09	Diagnosis
649.00	Tobacco use disorder complicating pregnancy, childbirth, or the puerperium, unspecified as to episode of care or not applicable	09	Diagnosis
649.01	Tobacco use disorder complicating pregnancy, childbirth, or the puerperium, delivered, with or without mention of antepartum condition	09	Diagnosis
649.02	Tobacco use disorder complicating pregnancy, childbirth, or the puerperium, delivered, with mention of postpartum complication	09	Diagnosis
649.03	Tobacco use disorder complicating pregnancy, childbirth, or the puerperium, antepartum condition or complication	09	Diagnosis

**Appendix A. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes to Identify Preexisting Conditions**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
649.04	Tobacco use disorder complicating pregnancy, childbirth, or the puerperium, postpartum condition or complication	09	Diagnosis
F17.200	Nicotine dependence, unspecified, uncomplicated	10	Diagnosis
F17.201	Nicotine dependence, unspecified, in remission	10	Diagnosis
F17.203	Nicotine dependence, unspecified, with withdrawal	10	Diagnosis
F17.208	Nicotine dependence, unspecified, with other nicotine-induced disorders	10	Diagnosis
F17.209	Nicotine dependence, unspecified, with unspecified nicotine-induced disorders	10	Diagnosis
F17.210	Nicotine dependence, cigarettes, uncomplicated	10	Diagnosis
F17.211	Nicotine dependence, cigarettes, in remission	10	Diagnosis
F17.213	Nicotine dependence, cigarettes, with withdrawal	10	Diagnosis
F17.218	Nicotine dependence, cigarettes, with other nicotine-induced disorders	10	Diagnosis
F17.219	Nicotine dependence, cigarettes, with unspecified nicotine-induced disorders	10	Diagnosis
F17.220	Nicotine dependence, chewing tobacco, uncomplicated	10	Diagnosis
F17.221	Nicotine dependence, chewing tobacco, in remission	10	Diagnosis
F17.223	Nicotine dependence, chewing tobacco, with withdrawal	10	Diagnosis
F17.228	Nicotine dependence, chewing tobacco, with other nicotine-induced disorders	10	Diagnosis
F17.229	Nicotine dependence, chewing tobacco, with unspecified nicotine-induced disorders	10	Diagnosis
F17.290	Nicotine dependence, other tobacco product, uncomplicated	10	Diagnosis
F17.291	Nicotine dependence, other tobacco product, in remission	10	Diagnosis
F17.293	Nicotine dependence, other tobacco product, with withdrawal	10	Diagnosis
F17.298	Nicotine dependence, other tobacco product, with other nicotine-induced disorders	10	Diagnosis
F17.299	Nicotine dependence, other tobacco product, with unspecified nicotine-induced disorders	10	Diagnosis
O99.330	Smoking (tobacco) complicating pregnancy, unspecified trimester	10	Diagnosis
O99.331	Smoking (tobacco) complicating pregnancy, first trimester	10	Diagnosis
O99.332	Smoking (tobacco) complicating pregnancy, second trimester	10	Diagnosis
O99.333	Smoking (tobacco) complicating pregnancy, third trimester	10	Diagnosis
O99.334	Smoking (tobacco) complicating childbirth	10	Diagnosis
O99.335	Smoking (tobacco) complicating the puerperium	10	Diagnosis

**Appendix B. Generic and Brand Names of Medical Products to Identify Exclusions**

Generic Name	Brand Name
<b>ACE Inhibitors</b>	
amlodipine besylate/benazepril HCl	Lotrel
amlodipine besylate/benazepril HCl	amlodipine-benazepril
benazepril HCl	benazepril
benazepril HCl	benazepril HCl (bulk)
benazepril HCl	Lotensin
benazepril HCl/hydrochlorothiazide	benazepril-hydrochlorothiazide
benazepril HCl/hydrochlorothiazide	Lotensin HCT
captopril	captopril
captopril	captopril (bulk)
captopril/hydrochlorothiazide	captopril-hydrochlorothiazide
enalapril maleate	enalapril maleate
enalapril maleate	enalapril maleate (bulk)
enalapril maleate	Vasotec
enalapril maleate	Epaned
enalapril maleate/hydrochlorothiazide	enalapril-hydrochlorothiazide
enalapril maleate/hydrochlorothiazide	Vaseretic
enalaprilat dihydrate	enalaprilat
fosinopril sodium	fosinopril
fosinopril sodium/hydrochlorothiazide	fosinopril-hydrochlorothiazide
lisinopril	lisinopril
lisinopril	Zestril
lisinopril	Prinivil
lisinopril	lisinopril (bulk)
lisinopril/hydrochlorothiazide	lisinopril-hydrochlorothiazide
lisinopril/hydrochlorothiazide	Zestoretic
moexipril HCl	moexipril
moexipril HCl	Univasc
moexipril HCl/hydrochlorothiazide	moexipril-hydrochlorothiazide
perindopril arginine/amlodipine besylate	Prestalia
perindopril erbumine	Aceon
perindopril erbumine	perindopril erbumine
quinapril HCl	quinapril
quinapril HCl	Accupril
quinapril HCl/hydrochlorothiazide	quinapril-hydrochlorothiazide
quinapril HCl/hydrochlorothiazide	Accuretic
ramipril	ramipril
ramipril	Altace
trandolapril	Mavik
trandolapril	trandolapril
trandolapril/verapamil HCl	trandolapril-verapamil
trandolapril/verapamil HCl	Tarka
<b>Acitretin</b>	
acitretin	acitretin
acitretin	Soriatane



**Appendix B. Generic and Brand Names of Medical Products to Identify Exclusions**

Generic Name	Brand Name
<b>Aminoglycosides</b>	
amikacin	amikacin (bulk)
amikacin sulfate	amikacin
amikacin sulfate	amikacin sulfate (bulk)
amikacin sulfate liposomal with nebulizer accessories	Arikayce
gentamicin sulfate	gentamicin (bulk)
gentamicin sulfate	gentamicin
gentamicin sulfate in sodium chloride, iso-osmotic	gentamicin in NaCl (iso-osm)
gentamicin sulfate/PF	gentamicin sulfate (PF)
gentamicin sulfate/PF	gentamicin sulfate (ped) (PF)
kanamycin sulfate	kanamycin (bulk)
neomycin sulfate	neomycin
plazomicin sulfate	Zemdri
streptomycin sulfate	streptomycin
tobramycin	tobramycin (bulk)
tobramycin sulfate	tobramycin sulfate
tobramycin sulfate	tobramycin sulfate (bulk)
tobramycin sulfate/sodium chloride	tobramycin in 0.9 % NaCl
<b>Antineoplastic Agents</b>	
abemaciclib	Verzenio
abiraterone acetate	abiraterone
abiraterone acetate	Zytiga
abiraterone acetate, submicronized	Yonsa
acalabrutinib	Calquence
ado-trastuzumab emtansine	Kadcyla
afatinib dimaleate	Gilotrif
aldesleukin	Proleukin
alemtuzumab	Campath
alpelisib	Piqray
altretamine	Hexalen
amifostine crystalline	amifostine crystalline
amifostine crystalline	Ethyol
anastrozole	anastrozole
anastrozole	Arimidex
apalutamide	Erleada
arsenic trioxide	arsenic trioxide
arsenic trioxide	Trisenox
asparaginase	Elspar
asparaginase (Erwinia chrysanthemi)	Erwinaze
atezolizumab	Tecentriq
avapritinib	Ayvakit
avelumab	Bavencio
axicabtagene ciloleucel	Yescarta
axitinib	Inlyta
azacitidine	azacitidine
azacitidine	Vidaza

## Appendix B. Generic and Brand Names of Medical Products to Identify Exclusions

Generic Name	Brand Name
BCG live	Tice BCG
BCG live	Theracys
belinostat	Beleodaq
bendamustine HCl	Treanda
bendamustine HCl	Belrapzo
bendamustine HCl	bendamustine
bendamustine HCl	Bendeka
bevacizumab	Avastin
bevacizumab-awwb	Mvasi
bevacizumab-bvzr	Zirabev
bexarotene	bexarotene
bexarotene	Targretin
bicalutamide	bicalutamide
bicalutamide	Casodex
binimetinib	Mektovi
bleomycin sulfate	bleomycin
bleomycin sulfate	Bleo 15K
blinatumomab	Blinicyto
bortezomib	Velcade
bortezomib	bortezomib
bosutinib	Bosulif
brentuximab vedotin	Adcetris
brigatinib	Alunbrig
busulfan	Busulfex
busulfan	busulfan
busulfan	Myleran
cabazitaxel	Jevtana
cabozantinib s-malate	Cabometyx
cabozantinib s-malate	Cometriq
calaspargase pegol-mknl	Asparlas
capecitabine	capecitabine
capecitabine	Xeloda
carboplatin	carboplatin
carfilzomib	Kyprolis
carmustine	BiCNU
carmustine	carmustine
carmustine in polifeprosan 20	Gliadel Wafer
cemiplimab-rwlc	Libtayo
ceritinib	Zykadia
cetuximab	Erbitux
chlorambucil	Leukeran
cisplatin	cisplatin
cladribine	cladribine
clofarabine	Clolar
clofarabine	clofarabine
cobimetinib fumarate	Cotellic
copanlisib di-HCl	Aliqopa
crizotinib	Xalkori

**Appendix B. Generic and Brand Names of Medical Products to Identify Exclusions**

<b>Generic Name</b>	<b>Brand Name</b>
cromolyn sodium	cromolyn
cromolyn sodium	Gastrocrom
cyclophosphamide	cyclophosphamide
cytarabine	cytarabine
cytarabine liposome/PF	DepoCyt (PF)
cytarabine/PF	cytarabine (PF)
dabrafenib mesylate	Tafinlar
dacarbazine	dacarbazine
dacomitinib	Vizimpro
dactinomycin	dactinomycin
dactinomycin	Cosmegen
daratumumab	Darzalex
darolutamide	Nubeqa
dasatinib	Sprycel
daunorubicin citrate liposomal	DaunoXome
daunorubicin HCl	daunorubicin
daunorubicin/cytarabine liposomal	Vyxeos
decitabine	decitabine
decitabine	Dacogen
degarelix acetate	Firmagon
degarelix acetate	Firmagon kit w diluent syringe
dexrazoxane HCl	dexrazoxane HCl
dexrazoxane HCl	Totect
dinutuximab	Unituxin
docetaxel	docetaxel
docetaxel	Taxotere
docetaxel	Docefrez
doxorubicin HCl	Adriamycin
doxorubicin HCl	doxorubicin
doxorubicin HCl pegylated liposomal	doxorubicin, peg-liposomal
doxorubicin HCl pegylated liposomal	Doxil
doxorubicin HCl pegylated liposomal	Lipodox
doxorubicin HCl pegylated liposomal	Lipodox 50
durvalumab	Imfinzi
duvelisib	Copiktra
elotuzumab	Empliciti
enasidenib mesylate	Idhifa
encorafenib	Braftovi
enfortumab vedotin-ejfv	Padcev
entrectinib	Rozlytrek
enzalutamide	Xtandi
epirubicin HCl	epirubicin
epirubicin HCl	Ellence
erdafitinib	Balversa
eribulin mesylate	Halaven
erlotinib HCl	erlotinib
erlotinib HCl	Tarceva
estramustine phosphate sodium	Emcyt

## Appendix B. Generic and Brand Names of Medical Products to Identify Exclusions

Generic Name	Brand Name
etoposide	etoposide
etoposide	Toposar
etoposide phosphate	Etopophos
everolimus	everolimus (antineoplastic)
everolimus	Afinitor Disperz
everolimus	Afinitor
exemestane	exemestane
exemestane	Aromasin
fam-trastuzumab deruxtecan-nxki	Enhertu
fedratinib dihydrochloride	Inrebic
floxuridine	floxuridine
fludarabine phosphate	fludarabine
fluorouracil	fluorouracil
fluorouracil	Adrucil
flutamide	flutamide
fulvestrant	fulvestrant
fulvestrant	Faslodex
gefitinib	Iressa
gemcitabine HCl	gemcitabine
gemcitabine HCl	Gemzar
gemcitabine HCl in 0.9 % sodium chloride	Infugem
gemtuzumab ozogamicin	Mylotarg
gilteritinib fumarate	Xospata
glasdegib maleate	Daurismo
glucarpidase	Voraxaze
goserelin acetate	Zoladex
histrelin acetate	Vantas
hydroxyurea	hydroxyurea
hydroxyurea	Hydrea
ibrutinib	Imbruvica
idarubicin HCl	idarubicin
idarubicin HCl	Idamycin PFS
idelalisib	Zydelig
ifosfamide	Ifex
ifosfamide	ifosfamide
ifosfamide/mesna	ifosfamide-mesna
imatinib mesylate	imatinib
imatinib mesylate	Gleevec
inotuzumab ozogamicin	Besponsa
interferon alfa-2b, recomb.	Intron A
iobenguane iodine-131	Azedra Therapeutic
iobenguane iodine-131	Azedra Dosimetric
ipilimumab	Yervoy
irinotecan HCl	irinotecan
irinotecan HCl	Camptosar
irinotecan liposomal	Onivyde

**Appendix B. Generic and Brand Names of Medical Products to Identify Exclusions**

<b>Generic Name</b>	<b>Brand Name</b>
ivosidenib	Tibsovo
ixabepilone	Ixempra
ixazomib citrate	Ninlaro
kit for prep yttrium-90/ibritumomab tiuxetan/albumin human	Zevalin (Y-90)
lapatinib ditosylate	Tykerb
larotrectinib sulfate	Vitrakvi
lenalidomide	Revlimid
lenvatinib mesylate	Lenvima
letrozole	letrozole
letrozole	Femara
leucovorin calcium	leucovorin calcium
leuprolide acetate	Lupron Depot (6 Month)
leuprolide acetate	Eligard (3 month)
leuprolide acetate	Eligard (6 month)
leuprolide acetate	Lupron Depot (4 month)
leuprolide acetate	Lupron Depot (3 month)
leuprolide acetate	Eligard (4 month)
leuprolide acetate	Lupron Depot
leuprolide acetate	Eligard
leuprolide acetate	leuprolide
levoleucovorin	Khazory
levoleucovorin calcium	levoleucovorin calcium
levoleucovorin calcium	Fusilev
lomustine	Gleostine
lomustine	lomustine
lorlatinib	Lorbrena
lutetium Lu 177 dotatate	Lutathera
mechlorethamine HCl	Mustargen
medroxyprogesterone acetate	Depo-Provera
megestrol acetate	megestrol
melphalan	Alkeran
melphalan	melphalan
melphalan HCl	melphalan HCl
melphalan HCl	Alkeran (as HCl)
melphalan HCl/betadex sulfobutyl ether sodium	Evomela
mercaptopurine	mercaptopurine
mercaptopurine	Purinethol
mercaptopurine	Purixan
mesna	mesna
mesna	Mesnex
methotrexate	Xatmep
methotrexate sodium	methotrexate sodium
methotrexate sodium	Trexall
methotrexate sodium/PF	methotrexate sodium (PF)
methoxsalen	Uvadex

## Appendix B. Generic and Brand Names of Medical Products to Identify Exclusions

Generic Name	Brand Name
midostaurin	Rydapt
mitomycin	mitomycin
mitomycin	Mutamycin
mitotane	Lysodren
mitoxantrone HCl	mitoxantrone
mogamulizumab-kpkc	Poteligeo
moxetumomab pasudotox-tdfk	Lumoxiti
necitumumab	Portrazza
nelarabine	Arranon
neratinib maleate	Nerlynx
nilotinib HCl	Tasigna
nilutamide	Nilandron
nilutamide	nilutamide
nintedanib esylate	Ofev
niraparib tosylate	Zejula
nivolumab	Opdivo
obinutuzumab	Gazyva
ofatumumab	Arzerra
olaparib	Lynparza
olaratumab	Lartruvo
omacetaxine mepesuccinate	Synribo
osimertinib mesylate	Tagrisso
oxaliplatin	oxaliplatin
oxaliplatin	Eloxatin
paclitaxel	paclitaxel
paclitaxel protein-bound	Abraxane
palbociclib	Ibrance
panitumumab	Vectibix
panobinostat lactate	Farydak
pazopanib HCl	Votrient
pegaspargase	Oncaspar
peginterferon alfa-2b	Sylatron 4-Pack
peginterferon alfa-2b	Sylatron
pembrolizumab	Keytruda
pemetrexed disodium	Alimta
pentostatin	Nipent
pertuzumab	Perjeta
pexidartinib hydrochloride	Turalio
polatuzumab vedotin-piiq	Polivy
pomalidomide	Pomalyst
ponatinib HCl	Iclusig
porfimer sodium	Photofrin
pralatrexate	Folotyn
procarbazine HCl	Matulane
radium-223 dichloride	Xofigo



## Appendix B. Generic and Brand Names of Medical Products to Identify Exclusions

Generic Name	Brand Name
ramucirumab	Cyramza
regorafenib	Stivarga
ribociclib succinate	Kisqali
ribociclib succinate/letrozole	Kisqali Femara Co-Pack
rituximab	Rituxan
rituximab/hyaluronidase, human recombinant	Rituxan Hycela
rituximab-abbs	Truxima
rituximab-pvvr	Ruxience
romidepsin	Istodax
romidepsin	romidepsin
rucaparib camsylate	Rubraca
ruxolitinib phosphate	Jakafi
samarium Sm 153 leixidronam	Quadramet
selinexor	Xpovio
siltuximab	Sylvant
sipuleucel-T/lactated ringers solution	Provenge
sodium iodide-131	Hicon
sonidegib phosphate	Odomzo
sorafenib tosylate	Nexavar
streptozocin	Zanosar
strontium-89 chloride	strontium-89 chloride
strontium-89 chloride	Metastron
sunitinib malate	Sutent
tagraxofusp-erzs	Elzonris
talazoparib tosylate	Talzenna
talimogene laherparepvec	Imlygic
tamoxifen citrate	tamoxifen
tamoxifen citrate	Soltamox
tazemetostat hydrobromide	Tazverik
temozolomide	temozolomide
temozolomide	Temodar
temsirolimus	Torisel
temsirolimus	temsirolimus
teniposide	teniposide
thalidomide	Thalomid
thioguanine	Tabloid
thiotepa	Tepadina
thiotepa	thiotepa
tisagenlecleucel	Kymriah
topotecan HCl	Hycamtin
topotecan HCl	topotecan
toremifene citrate	toremifene
toremifene citrate	Fareston
trabectedin	Yondelis
trametinib dimethyl sulfoxide	Mekinist
trastuzumab	Herceptin

**Appendix B. Generic and Brand Names of Medical Products to Identify Exclusions**

<b>Generic Name</b>	<b>Brand Name</b>
trastuzumab-anns	Kanjinti
trastuzumab-dkst	Ogivri
trastuzumab-hyaluronidase-oysk	Herceptin Hylecta
tretinoin	tretinoin (chemotherapy)
trifluridine/tipiracil HCl	Lonsurf
triptorelin pamoate	Trelstar
uridine triacetate	Vistogard
valrubicin	valrubicin
valrubicin	Valstar
vandetanib	Caprelsa
vemurafenib	Zelboraf
venetoclax	Venclexta
venetoclax	Venclexta Starting Pack
vinblastine sulfate	vinblastine
vincristine sulfate	Vincasar PFS
vincristine sulfate	vincristine
vincristine sulfate liposomal	Marqibo
vinorelbine tartrate	vinorelbine
vinorelbine tartrate	Navelbine
vismodegib	Erivedge
vorinostat	Zolinza
zanubrutinib	Brukinsa
ziv-aflibercept	Zaltrap
<b>Azathioprine</b>	
azathioprine	azathioprine
azathioprine	azathioprine (bulk)
azathioprine	Imuran
azathioprine	Azasan
azathioprine sodium	azathioprine sodium
<b>Carbamazepine</b>	
carbamazepine	carbamazepine
carbamazepine	Tegretol XR
carbamazepine	carbamazepine (bulk)
carbamazepine	Carbatrol
carbamazepine	Tegretol
carbamazepine	Equetro
carbamazepine	Epitol
<b>Clomiphene</b>	
clomiphene citrate	clomiphene citrate
clomiphene citrate	clomiphene citrate (bulk)
clomiphene citrate	Serophene
<b>Danazol</b>	
danazol	danazol (bulk)
danazol	danazol
<b>Divalproex</b>	

**Appendix B. Generic and Brand Names of Medical Products to Identify Exclusions**

<b>Generic Name</b>	<b>Brand Name</b>
divalproex sodium	divalproex
divalproex sodium	Depakote
divalproex sodium	Depakote ER
divalproex sodium	Depakote Sprinkles
<b>Ethotoin</b>	
ethotoin	Peganone
<b>Fluconazole</b>	
fluconazole	Diflucan
fluconazole	fluconazole
fluconazole in dextrose, iso-osmotic	fluconazole in dextrose(iso-o)
fluconazole in sodium chloride, iso-osmotic	fluconazole in NaCl (iso-osm)
fluconazole/ibuprofen/itraconazole/terbinafine HCl	flucona-ibuprof-itracon-terbin
<b>Folic Acid Antagonists</b>	
carbamazepine	carbamazepine
carbamazepine	Tegretol
carbamazepine	Tegretol XR
carbamazepine	Carbatrol
carbamazepine	Equetro
carbamazepine	Epitol
cholestyramine (with sugar)	cholestyramine (with sugar)
cholestyramine (with sugar)	Questran
cholestyramine/aspartame	Cholestyramine Light
cholestyramine/aspartame	Prevalite
cholestyramine/aspartame	Questran Light
divalproex sodium	Depakote ER
divalproex sodium	Depakote Sprinkles
divalproex sodium	Depakote
divalproex sodium	divalproex
fosphenytoin sodium	fosphenytoin
fosphenytoin sodium	Cerebyx
lamotrigine	lamotrigine
lamotrigine	Lamictal XR Starter (Green)
lamotrigine	Lamictal ODT Starter (Blue)
lamotrigine	Subvenite
lamotrigine	Lamictal ODT Starter (Orange)
lamotrigine	Lamictal ODT
lamotrigine	Lamictal
lamotrigine	Lamictal XR
lamotrigine	Subvenite Starter (Green) Kit
lamotrigine	Lamictal XR Starter (Blue)
lamotrigine	Lamictal ODT Starter (Green)
lamotrigine	Lamictal Starter (Blue) Kit
lamotrigine	Lamictal Starter (Green) Kit
lamotrigine	Subvenite Starter (Blue) Kit
lamotrigine	Subvenite Starter (Orange) Kit

## Appendix B. Generic and Brand Names of Medical Products to Identify Exclusions

Generic Name	Brand Name
lamotrigine	Lamictal Starter (Orange) Kit
lamotrigine	Lamictal XR Starter (Orange)
methotrexate	Xatmep
methotrexate sodium	methotrexate sodium
methotrexate sodium	Trexall
methotrexate sodium/PF	methotrexate sodium (PF)
pemetrexed disodium	Alimta
phenobarbital	phenobarbital
phenobarbital sodium	phenobarbital sodium
phenobarbital sodium in 0.9 % sodium chloride	phenobarbital in 0.9 % sod chl
phenobarbital/hyoscyamine sulf/atropine sulf/scopolamine Hb	phenobarb-hyoscy-atropine-scop
phenobarbital/hyoscyamine sulf/atropine sulf/scopolamine Hb	Phenohtyro
phenobarbital/hyoscyamine sulf/atropine sulf/scopolamine Hb	Donnatal
phenobarbital/hyoscyamine sulf/atropine sulf/scopolamine Hb	Me-PB-Hyos
phenobarbital/hyoscyamine sulf/atropine sulf/scopolamine Hb	Belladonna-Phenobarbital
phenobarbital/hyoscyamine sulf/atropine sulf/scopolamine Hb	B-Donna
phenytoin	phenytoin
phenytoin	Dilantin-125
phenytoin	Dilantin Infatabs
phenytoin sodium	phenytoin sodium
phenytoin sodium extended	phenytoin sodium extended
phenytoin sodium extended	Dilantin Kapseal
phenytoin sodium extended	Phenytek
phenytoin sodium extended	Dilantin Extended
phenytoin sodium extended	Dilantin
polymyxin B sulfate/trimethoprim	polymyxin B sulf-trimethoprim
polymyxin B sulfate/trimethoprim	Polytrim
pralatrexate	Folotyn
primidone	primidone
primidone	Mysoline
pyrimethamine	Daraprim
sulfadiazine	sulfadiazine
sulfamethoxazole/trimethoprim	sulfamethoxazole-trimethoprim
sulfamethoxazole/trimethoprim	Bactrim DS
sulfamethoxazole/trimethoprim	Sulfatrim
sulfamethoxazole/trimethoprim	Bactrim
sulfanilamide	AVC Vaginal
sulfasalazine	sulfasalazine
sulfasalazine	Azulfidine
sulfasalazine	Azulfidine EN-tabs
sulfasalazine	Sulfazine
triamterene	Dyrenium
triamterene	triamterene
triamterene/hydrochlorothiazide	triamterene-hydrochlorothiazid
triamterene/hydrochlorothiazide	Dyazide

**Appendix B. Generic and Brand Names of Medical Products to Identify Exclusions**

<b>Generic Name</b>	<b>Brand Name</b>
triamterene/hydrochlorothiazide	Maxzide-25mg
triamterene/hydrochlorothiazide	Maxzide
trimethoprim	trimethoprim
trimethoprim	Primsol
trimethoprim	Trimpex
valproic acid	Depakene
valproic acid	valproic acid
valproic acid	Stavzor
valproic acid (as sodium salt) (valproate sodium)	Depacon
valproic acid (as sodium salt) (valproate sodium)	Depakene
valproic acid (as sodium salt) (valproate sodium)	valproic acid (as sodium salt)
valproic acid (as sodium salt) (valproate sodium)	valproate sodium
<b>Fosphenytoin</b>	
fosphenytoin sodium	Cerebyx
fosphenytoin sodium	fosphenytoin
<b>Isotretinoin</b>	
isotretinoin	Amnesteem
isotretinoin	Claravis
isotretinoin	Absorica
isotretinoin	Zenatane
isotretinoin	Myorisan
isotretinoin	isotretinoin
<b>Leflunomide</b>	
leflunomide	Arava
leflunomide	leflunomide
<b>Lithium</b>	
lithium carbonate	lithium carbonate
lithium carbonate	Lithobid
lithium citrate	lithium citrate
<b>Methimazole</b>	
methimazole	methimazole
methimazole	Tapazole
<b>Methotrexate</b>	
methotrexate	Xatmep
methotrexate sodium	methotrexate sodium
methotrexate sodium	Trexall
methotrexate sodium	Rheumatrex
methotrexate sodium/PF	methotrexate sodium (PF)
methotrexate/PF	Otrexup (PF)
methotrexate/PF	Rasuvo (PF)
<b>Misoprostol</b>	
misoprostol	misoprostol (bulk)
misoprostol	Cytotec
misoprostol	misoprostol
<b>Mycophenolate</b>	

**Appendix B. Generic and Brand Names of Medical Products to Identify Exclusions**

<b>Generic Name</b>	<b>Brand Name</b>
mycophenolate mofetil	CellCept
mycophenolate mofetil	mycophenolate mofetil
mycophenolate mofetil HCl	CellCept Intravenous
mycophenolate mofetil HCl	mycophenolate mofetil (HCl)
mycophenolate sodium	Myfortic
mycophenolate sodium	mycophenolate sodium
<b>Phenobarbital</b>	
phenobarbital	phenobarbital
phenobarbital	phenobarbital (bulk)
phenobarbital sodium in 0.9 % sodium chloride	phenobarbital in 0.9 % sod chl
<b>Phenytoin</b>	
fosphenytoin sodium	fosphenytoin
fosphenytoin sodium	Cerebyx
phenytoin	phenytoin
phenytoin	phenytoin (bulk)
phenytoin	Dilantin-125
phenytoin	Dilantin Infatabs
phenytoin sodium	phenytoin sodium
phenytoin sodium extended	Dilantin Extended
phenytoin sodium extended	phenytoin sodium extended
phenytoin sodium extended	Dilantin Kapseal
phenytoin sodium extended	Phenytek
phenytoin sodium extended	Dilantin
<b>Potassium Iodide</b>	
iodine/potassium iodide	Lugols
iodine/potassium iodide	Strong Iodine
potassium iodide	SSKI
potassium iodide	potassium iodide
potassium iodide/iodine	Strong Iodine
potassium iodide/iodine	Lugols
<b>Propylthiouracil</b>	
propylthiouracil	propylthiouracil (bulk)
propylthiouracil	propylthiouracil
<b>Ribavirin</b>	
ribavirin	Copegus
ribavirin	Moderiba
ribavirin	Moderiba Dose Pack
ribavirin	Rebetol
ribavirin	ribavirin
ribavirin	Virazole
ribavirin	RIBATAB Dose Pack
ribavirin	Ribasphere
ribavirin	Ribasphere RibaPak
<b>Sulfamethoxazole</b>	
sulfamethoxazole/trimethoprim	sulfamethoxazole-trimethoprim



**Appendix B. Generic and Brand Names of Medical Products to Identify Exclusions**

<b>Generic Name</b>	<b>Brand Name</b>
sulfamethoxazole/trimethoprim	Sulfatrim
sulfamethoxazole/trimethoprim	Bactrim
sulfamethoxazole/trimethoprim	Bactrim DS
<b>Tetracycline</b>	
colloidal bismuth subcitrate/metronidazole/tetracycline HCl	Pylera
demeclocycline HCl	demeclocycline
doxycycline calcium	Vibramycin
doxycycline hyclate	doxycycline hyclate
doxycycline hyclate	Doryx
doxycycline hyclate	Morgidox
doxycycline hyclate	Doxy-100
doxycycline hyclate	Doryx MPC
doxycycline hyclate	Vibramycin
doxycycline hyclate	Soloxide
doxycycline hyclate	Acticlate
doxycycline hyclate	Targadox
doxycycline monohydrate	Okebo
doxycycline monohydrate	doxycycline monohydrate
doxycycline monohydrate	Monodox
doxycycline monohydrate	Avidoxy
doxycycline monohydrate	Vibramycin
doxycycline monohydrate	Mondoxyne NL
doxycycline monohydrate	Adoxa
doxycycline monohydrate	Oracea
eravacycline di-hydrochloride	Xerava
minocycline HCl	Minocin
minocycline HCl	minocycline
minocycline HCl	CoreMino
minocycline HCl	Solodyn
minocycline HCl	Ximino
minocycline HCl	Minolira ER
minocycline HCl microspheres	Arestin
NYSTATIN/TETRACYCLINE HCL/HYDROCORTISONE/DIPHENHYDRAMINE	FIRST-Mary's Mouthwash
omadacycline tosylate	Nuzyra
omadacycline tosylate	Nuzyra (7 Day with Load Dose)
omadacycline tosylate	Nuzyra (7 Day)
sarecycline HCl	Seysara
tetracycline HCl	tetracycline
tigecycline	Tygacil
tigecycline	tigecycline
<b>Thalidomide</b>	
lenalidomide	Revlimid
pomalidomide	Pomalyst
thalidomide	Thalomid
<b>Topiramate</b>	

**Appendix B. Generic and Brand Names of Medical Products to Identify Exclusions**

<b>Generic Name</b>	<b>Brand Name</b>
topiramate	topiramate
topiramate	Qudexy XR
topiramate	Topamax
topiramate	Trokendi XR
topiramate	Topiragen
divalproex sodium	divalproex
divalproex sodium	divalproex (bulk)
divalproex sodium	Depakote
divalproex sodium	Depakote ER
divalproex sodium	Depakote Sprinkles
valproic acid	valproic acid
valproic acid	valproic acid (bulk)
valproic acid	Stavzor
valproic acid	Depakene
valproic acid (as sodium salt) (valproate sodium)	valproic acid (as sodium salt)
valproic acid (as sodium salt) (valproate sodium)	valproate sodium
valproic acid (as sodium salt) (valproate sodium)	valproate sodium (bulk)
valproic acid (as sodium salt) (valproate sodium)	Depakene
valproic acid (as sodium salt) (valproate sodium)	Depacon
warfarin sodium	Coumadin
warfarin sodium	warfarin
warfarin sodium	Jantoven

**Appendix C. Generic and Brand Names of Medical Products to Identify the Exposure**

Generic Name	Brand Name
<b>Fluoroquinolones</b>	
ciprofloxacin	Cipro
ciprofloxacin	ciprofloxacin
ciprofloxacin HCl	ciprofloxacin HCl
ciprofloxacin HCl	Cipro
ciprofloxacin HCl	ciprofloxacin (bulk)
ciprofloxacin lactate	ciprofloxacin lactate
ciprofloxacin lactate/dextrose 5 % in water	ciprofloxacin in 5 % dextrose
ciprofloxacin lactate/dextrose 5 % in water	Cipro in D5W
ciprofloxacin/ciprofloxacin HCl	ciprofloxacin (mixture)
ciprofloxacin/ciprofloxacin HCl	Cipro XR
delafloxacin meglumine	Baxdela
gatifloxacin	gatifloxacin sesquihydr (bulk)
gemifloxacin mesylate	Factive
levofloxacin	Levaquin
levofloxacin	levofloxacin (bulk)
levofloxacin	levofloxacin
levofloxacin/dextrose 5 % in water	levofloxacin in D5W
levofloxacin/dextrose 5 % in water	Levaquin in 5 % dextrose
moxifloxacin HCl	moxifloxacin
moxifloxacin HCl	Avelox
moxifloxacin HCl	Avelox ABC Pack
moxifloxacin HCl	moxifloxacin HCl (bulk)
moxifloxacin HCl in sodium acetate and sulfate,water,iso-osm	moxifloxacin-sod.ace,sul-water
moxifloxacin HCl in sodium chloride, iso-osmotic	Avelox in NaCl (iso-osmotic)
moxifloxacin HCl in sodium chloride, iso-osmotic	moxifloxacin-sod.chloride(iso)
norfloxacin	Noroxin
ofloxacin	ofloxacin

**Appendix D. Generic and Brand Names of Medical Products to Identify the Comparator**

Generic Name	Brand Name
<b>Cephalosporins</b>	
cefaclor	cefaclor
cefadroxil	cefadroxil
cefazolin sodium	cefazolin
cefazolin sodium in 0.9 % sodium chloride	cefazolin in 0.9% sod chloride
cefazolin sodium/dextrose 5 % in water	cefazolin in dextrose 5 %
cefazolin sodium/dextrose, iso-osmotic	cefazolin in dextrose (iso-os)
cefazolin sodium/water for injection,sterile	cefazolin in sterile water
cefdinir	cefdinir
cefditoren pivoxil	cefditoren pivoxil
cefditoren pivoxil	Spectracef
cefepime HCl	cefepime
cefepime HCl	Maxipime
cefepime HCl in dextrose 5 % in water	cefepime in dextrose 5 %
cefepime HCl in iso-osmotic dextrose	cefepime in dextrose,iso-osm
cefixime	cefixime
cefixime	Suprax
cefotaxime sodium	cefotaxime
cefotaxime sodium	Claforan
cefotaxime sodium/dextrose, iso-osmotic	Claforan in dextrose(iso-osm)
cefotetan disodium	cefotetan
cefotetan disodium	Cefotan
cefotetan disodium in iso-osmotic dextrose	cefotetan in dextrose, iso-osm
cefoxitin sodium	cefoxitin
cefoxitin sodium/dextrose, iso-osmotic	cefoxitin in dextrose, iso-osm
cefpodoxime proxetil	cefpodoxime
cefprozil	cefprozil
ceftaroline fosamil acetate	Teflaro
ceftazidime	Tazicef
ceftazidime	Fortaz
ceftazidime	ceftazidime
ceftazidime	ceftazidime (bulk)
ceftazidime in dextrose 5% and water	ceftazidime in D5W
ceftazidime sodium in iso-osmotic dextrose	Fortaz in dextrose 5 %
ceftazidime/avibactam sodium	Avycaz
ceftibuten	Cedax
ceftibuten	ceftibuten
ceftolozane sulfate/tazobactam sodium	Zerbaxa
ceftriaxone sodium	ceftriaxone
ceftriaxone sodium	ceftriaxone sodium (bulk)
ceftriaxone sodium	Rocephin
ceftriaxone sodium in iso-osmotic dextrose	ceftriaxone in dextrose,iso-os
cefuroxime axetil	cefuroxime axetil
cefuroxime axetil	Ceftin

#### Appendix D. Generic and Brand Names of Medical Products to Identify the Comparator

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<b>Generic Name</b>	<b>Brand Name</b>
cefuroxime sodium	cefuroxime sodium
cefuroxime sodium	Zinacef
cefuroxime sodium/water for injection,sterile	Zinacef in Sterile Water
cephalexin	cephalexin
cephalexin	Keflex
cephalexin	Daxbia

**Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications<sup>1</sup>**

Code	Description	Code Type	Code Category
<b>Ear, Nose, and Throat Infections</b>			
032	Diphtheria	09	Diagnosis
032.0	Faucial diphtheria	09	Diagnosis
032.1	Nasopharyngeal diphtheria	09	Diagnosis
032.2	Anterior nasal diphtheria	09	Diagnosis
032.3	Laryngeal diphtheria	09	Diagnosis
032.8	Other specified diphtheria	09	Diagnosis
032.81	Conjunctival diphtheria	09	Diagnosis
032.82	Diphtheritic myocarditis	09	Diagnosis
032.83	Diphtheritic peritonitis	09	Diagnosis
032.84	Diphtheritic cystitis	09	Diagnosis
032.85	Cutaneous diphtheria	09	Diagnosis
032.89	Other specified diphtheria	09	Diagnosis
032.9	Unspecified diphtheria	09	Diagnosis
034	Streptococcal sore throat and scarlet fever	09	Diagnosis
034.0	Streptococcal sore throat	09	Diagnosis
034.1	Scarlet fever	09	Diagnosis
380	Disorders of external ear	09	Diagnosis
380.0	Perichondritis and chondritis of pinna	09	Diagnosis
380.00	Unspecified perichondritis of pinna	09	Diagnosis
380.01	Acute perichondritis of pinna	09	Diagnosis
380.02	Chronic perichondritis of pinna	09	Diagnosis
380.03	Chondritis of pinna	09	Diagnosis
380.1	Infective otitis externa	09	Diagnosis
380.10	Unspecified infective otitis externa	09	Diagnosis
380.11	Acute infection of pinna	09	Diagnosis
380.12	Acute swimmers' ear	09	Diagnosis
380.13	Other acute infections of external ear	09	Diagnosis
380.14	Malignant otitis externa	09	Diagnosis
380.16	Other chronic infective otitis externa	09	Diagnosis
380.2	Other otitis externa	09	Diagnosis
380.22	Other acute otitis externa	09	Diagnosis
380.23	Other chronic otitis externa	09	Diagnosis
382	Suppurative and unspecified otitis media	09	Diagnosis
382.0	Acute suppurative otitis media	09	Diagnosis
382.00	Acute suppurative otitis media without spontaneous rupture of eardrum	09	Diagnosis
382.01	Acute suppurative otitis media with spontaneous rupture of eardrum	09	Diagnosis
382.02	Acute suppurative otitis media in diseases classified elsewhere	09	Diagnosis
382.1	Chronic tubotympanic suppurative otitis media	09	Diagnosis
382.2	Chronic atticofurcal suppurative otitis media	09	Diagnosis
382.3	Unspecified chronic suppurative otitis media	09	Diagnosis
382.4	Unspecified suppurative otitis media	09	Diagnosis
382.9	Unspecified otitis media	09	Diagnosis

**Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications<sup>1</sup>**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
383	Mastoiditis and related conditions	09	Diagnosis
383.0	Acute mastoiditis	09	Diagnosis
383.00	Acute mastoiditis without complications	09	Diagnosis
383.01	Subperiosteal abscess of mastoid	09	Diagnosis
383.02	Acute mastoiditis with other complications	09	Diagnosis
383.1	Chronic mastoiditis	09	Diagnosis
383.2	Petrositis	09	Diagnosis
383.20	Unspecified petrositis	09	Diagnosis
383.21	Acute petrositis	09	Diagnosis
383.22	Chronic petrositis	09	Diagnosis
383.81	Postauricular fistula	09	Diagnosis
383.9	Unspecified mastoiditis	09	Diagnosis
384	Other disorders of tympanic membrane	09	Diagnosis
384.0	Acute myringitis without mention of otitis media	09	Diagnosis
384.00	Unspecified acute myringitis	09	Diagnosis
384.01	Bullous myringitis	09	Diagnosis
384.09	Other acute myringitis without mention of otitis media	09	Diagnosis
384.1	Chronic myringitis without mention of otitis media	09	Diagnosis
384.2	Perforation of tympanic membrane	09	Diagnosis
384.20	Unspecified perforation of tympanic membrane	09	Diagnosis
384.21	Central perforation of tympanic membrane	09	Diagnosis
384.22	Attic perforation of tympanic membrane	09	Diagnosis
384.23	Other marginal perforation of tympanic membrane	09	Diagnosis
384.24	Multiple perforations of tympanic membrane	09	Diagnosis
384.25	Total perforation of tympanic membrane	09	Diagnosis
385	Other disorders of middle ear and mastoid	09	Diagnosis
385.83	Retained foreign body of middle ear	09	Diagnosis
386	Vertiginous syndromes and other disorders of vestibular system	09	Diagnosis
386.3	Labyrinthitis	09	Diagnosis
386.30	Unspecified labyrinthitis	09	Diagnosis
386.33	Suppurative labyrinthitis	09	Diagnosis
461	Acute sinusitis	09	Diagnosis
461.0	Acute maxillary sinusitis	09	Diagnosis
461.1	Acute frontal sinusitis	09	Diagnosis
461.2	Acute ethmoidal sinusitis	09	Diagnosis
461.3	Acute sphenoidal sinusitis	09	Diagnosis
461.8	Other acute sinusitis	09	Diagnosis
461.9	Acute sinusitis, unspecified	09	Diagnosis
462	Acute pharyngitis	09	Diagnosis
463	Acute tonsillitis	09	Diagnosis
464	Acute laryngitis and tracheitis	09	Diagnosis
464.1	Acute tracheitis	09	Diagnosis
464.10	Acute tracheitis without mention of obstruction	09	Diagnosis



**Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications<sup>1</sup>**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
464.11	Acute tracheitis with obstruction	09	Diagnosis
464.3	Acute epiglottitis	09	Diagnosis
464.30	Acute epiglottitis without mention of obstruction	09	Diagnosis
464.31	Acute epiglottitis with obstruction	09	Diagnosis
464.5	Supraglottitis, unspecified	09	Diagnosis
464.50	Unspecified supraglottitis, without mention of obstruction	09	Diagnosis
464.51	Unspecified supraglottitis, with obstruction	09	Diagnosis
472	Chronic pharyngitis and nasopharyngitis	09	Diagnosis
472.1	Chronic pharyngitis	09	Diagnosis
473	Chronic sinusitis	09	Diagnosis
473.0	Chronic maxillary sinusitis	09	Diagnosis
473.1	Chronic frontal sinusitis	09	Diagnosis
473.2	Chronic ethmoidal sinusitis	09	Diagnosis
473.3	Chronic sphenoidal sinusitis	09	Diagnosis
473.8	Other chronic sinusitis	09	Diagnosis
473.9	Unspecified sinusitis (chronic)	09	Diagnosis
474	Chronic disease of tonsils and adenoids	09	Diagnosis
474.0	Chronic tonsillitis and adenoiditis	09	Diagnosis
474.00	Chronic tonsillitis	09	Diagnosis
474.01	Chronic adenoiditis	09	Diagnosis
474.02	Chronic tonsillitis and adenoiditis	09	Diagnosis
475	Peritonsillar abscess	09	Diagnosis
478	Other diseases of upper respiratory tract	09	Diagnosis
478.21	Cellulitis of pharynx or nasopharynx	09	Diagnosis
478.22	Parapharyngeal abscess	09	Diagnosis
478.24	Retropharyngeal abscess	09	Diagnosis
478.71	Cellulitis and perichondritis of larynx	09	Diagnosis
A36	Diphtheria	10	Diagnosis
A36.0	Pharyngeal diphtheria	10	Diagnosis
A36.1	Nasopharyngeal diphtheria	10	Diagnosis
A36.2	Laryngeal diphtheria	10	Diagnosis
A36.3	Cutaneous diphtheria	10	Diagnosis
A36.8	Other diphtheria	10	Diagnosis
A36.81	Diphtheritic cardiomyopathy	10	Diagnosis
A36.82	Diphtheritic radiculomyelitis	10	Diagnosis
A36.83	Diphtheritic polyneuritis	10	Diagnosis
A36.84	Diphtheritic tubulo-interstitial nephropathy	10	Diagnosis
A36.85	Diphtheritic cystitis	10	Diagnosis
A36.86	Diphtheritic conjunctivitis	10	Diagnosis
A36.89	Other diphtheritic complications	10	Diagnosis
A36.9	Diphtheria, unspecified	10	Diagnosis
A38	Scarlet fever	10	Diagnosis
A38.0	Scarlet fever with otitis media	10	Diagnosis

**Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications<sup>1</sup>**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
A38.1	Scarlet fever with myocarditis	10	Diagnosis
A38.8	Scarlet fever with other complications	10	Diagnosis
A38.9	Scarlet fever, uncomplicated	10	Diagnosis
H60	Otitis externa	10	Diagnosis
H60.0	Abscess of external ear	10	Diagnosis
H60.00	Abscess of external ear, unspecified ear	10	Diagnosis
H60.01	Abscess of right external ear	10	Diagnosis
H60.02	Abscess of left external ear	10	Diagnosis
H60.03	Abscess of external ear, bilateral	10	Diagnosis
H60.1	Cellulitis of external ear	10	Diagnosis
H60.10	Cellulitis of external ear, unspecified ear	10	Diagnosis
H60.11	Cellulitis of right external ear	10	Diagnosis
H60.12	Cellulitis of left external ear	10	Diagnosis
H60.13	Cellulitis of external ear, bilateral	10	Diagnosis
H60.2	Malignant otitis externa	10	Diagnosis
H60.20	Malignant otitis externa, unspecified ear	10	Diagnosis
H60.21	Malignant otitis externa, right ear	10	Diagnosis
H60.22	Malignant otitis externa, left ear	10	Diagnosis
H60.23	Malignant otitis externa, bilateral	10	Diagnosis
H60.3	Other infective otitis externa	10	Diagnosis
H60.31	Diffuse otitis externa	10	Diagnosis
H60.311	Diffuse otitis externa, right ear	10	Diagnosis
H60.312	Diffuse otitis externa, left ear	10	Diagnosis
H60.313	Diffuse otitis externa, bilateral	10	Diagnosis
H60.319	Diffuse otitis externa, unspecified ear	10	Diagnosis
H60.32	Hemorrhagic otitis externa	10	Diagnosis
H60.321	Hemorrhagic otitis externa, right ear	10	Diagnosis
H60.322	Hemorrhagic otitis externa, left ear	10	Diagnosis
H60.323	Hemorrhagic otitis externa, bilateral	10	Diagnosis
H60.329	Hemorrhagic otitis externa, unspecified ear	10	Diagnosis
H60.33	Swimmer's ear	10	Diagnosis
H60.331	Swimmer's ear, right ear	10	Diagnosis
H60.332	Swimmer's ear, left ear	10	Diagnosis
H60.333	Swimmer's ear, bilateral	10	Diagnosis
H60.339	Swimmer's ear, unspecified ear	10	Diagnosis
H60.39	Other infective otitis externa	10	Diagnosis
H60.391	Other infective otitis externa, right ear	10	Diagnosis
H60.392	Other infective otitis externa, left ear	10	Diagnosis
H60.393	Other infective otitis externa, bilateral	10	Diagnosis
H60.399	Other infective otitis externa, unspecified ear	10	Diagnosis
H60.6	Unspecified chronic otitis externa	10	Diagnosis
H60.60	Unspecified chronic otitis externa, unspecified ear	10	Diagnosis
H60.61	Unspecified chronic otitis externa, right ear	10	Diagnosis

**Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications<sup>1</sup>**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
H60.62	Unspecified chronic otitis externa, left ear	10	Diagnosis
H60.63	Unspecified chronic otitis externa, bilateral	10	Diagnosis
H60.8	Other otitis externa	10	Diagnosis
H60.8X	Other otitis externa	10	Diagnosis
H60.8X1	Other otitis externa, right ear	10	Diagnosis
H60.8X2	Other otitis externa, left ear	10	Diagnosis
H60.8X3	Other otitis externa, bilateral	10	Diagnosis
H60.8X9	Other otitis externa, unspecified ear	10	Diagnosis
H60.9	Unspecified otitis externa	10	Diagnosis
H60.90	Unspecified otitis externa, unspecified ear	10	Diagnosis
H60.91	Unspecified otitis externa, right ear	10	Diagnosis
H60.92	Unspecified otitis externa, left ear	10	Diagnosis
H60.93	Unspecified otitis externa, bilateral	10	Diagnosis
H61	Other disorders of external ear	10	Diagnosis
H61.0	Chondritis and perichondritis of external ear	10	Diagnosis
H61.00	Unspecified perichondritis of external ear	10	Diagnosis
H61.001	Unspecified perichondritis of right external ear	10	Diagnosis
H61.002	Unspecified perichondritis of left external ear	10	Diagnosis
H61.003	Unspecified perichondritis of external ear, bilateral	10	Diagnosis
H61.009	Unspecified perichondritis of external ear, unspecified ear	10	Diagnosis
H61.01	Acute perichondritis of external ear	10	Diagnosis
H61.011	Acute perichondritis of right external ear	10	Diagnosis
H61.012	Acute perichondritis of left external ear	10	Diagnosis
H61.013	Acute perichondritis of external ear, bilateral	10	Diagnosis
H61.019	Acute perichondritis of external ear, unspecified ear	10	Diagnosis
H61.02	Chronic perichondritis of external ear	10	Diagnosis
H61.021	Chronic perichondritis of right external ear	10	Diagnosis
H61.022	Chronic perichondritis of left external ear	10	Diagnosis
H61.023	Chronic perichondritis of external ear, bilateral	10	Diagnosis
H61.029	Chronic perichondritis of external ear, unspecified ear	10	Diagnosis
H61.03	Chondritis of external ear	10	Diagnosis
H61.031	Chondritis of right external ear	10	Diagnosis
H61.032	Chondritis of left external ear	10	Diagnosis
H61.033	Chondritis of external ear, bilateral	10	Diagnosis
H61.039	Chondritis of external ear, unspecified ear	10	Diagnosis
H62	Disorders of external ear in diseases classified elsewhere	10	Diagnosis
H62.4	Otitis externa in other diseases classified elsewhere	10	Diagnosis
H62.40	Otitis externa in other diseases classified elsewhere, unspecified ear	10	Diagnosis
H62.41	Otitis externa in other diseases classified elsewhere, right ear	10	Diagnosis
H62.42	Otitis externa in other diseases classified elsewhere, left ear	10	Diagnosis
H62.43	Otitis externa in other diseases classified elsewhere, bilateral	10	Diagnosis
H66	Suppurative and unspecified otitis media	10	Diagnosis
H66.0	Acute suppurative otitis media	10	Diagnosis

**Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications<sup>1</sup>**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
H66.00	Acute suppurative otitis media without spontaneous rupture of ear drum	10	Diagnosis
H66.001	Acute suppurative otitis media without spontaneous rupture of ear drum, right ear	10	Diagnosis
H66.002	Acute suppurative otitis media without spontaneous rupture of ear drum, left ear	10	Diagnosis
H66.003	Acute suppurative otitis media without spontaneous rupture of ear drum, bilateral	10	Diagnosis
H66.004	Acute suppurative otitis media without spontaneous rupture of ear drum, recurrent, right ear	10	Diagnosis
H66.005	Acute suppurative otitis media without spontaneous rupture of ear drum, recurrent, left ear	10	Diagnosis
H66.006	Acute suppurative otitis media without spontaneous rupture of ear drum, recurrent, bilateral	10	Diagnosis
H66.007	Acute suppurative otitis media without spontaneous rupture of ear drum, recurrent, unspecified ear	10	Diagnosis
H66.009	Acute suppurative otitis media without spontaneous rupture of ear drum, unspecified ear	10	Diagnosis
H66.01	Acute suppurative otitis media with spontaneous rupture of ear drum	10	Diagnosis
H66.011	Acute suppurative otitis media with spontaneous rupture of ear drum, right ear	10	Diagnosis
H66.012	Acute suppurative otitis media with spontaneous rupture of ear drum, left ear	10	Diagnosis
H66.013	Acute suppurative otitis media with spontaneous rupture of ear drum, bilateral	10	Diagnosis
H66.014	Acute suppurative otitis media with spontaneous rupture of ear drum, recurrent, right ear	10	Diagnosis
H66.015	Acute suppurative otitis media with spontaneous rupture of ear drum, recurrent, left ear	10	Diagnosis
H66.016	Acute suppurative otitis media with spontaneous rupture of ear drum, recurrent, bilateral	10	Diagnosis
H66.017	Acute suppurative otitis media with spontaneous rupture of ear drum, recurrent, unspecified ear	10	Diagnosis
H66.019	Acute suppurative otitis media with spontaneous rupture of ear drum, unspecified ear	10	Diagnosis
H66.1	Chronic tubotympanic suppurative otitis media	10	Diagnosis
H66.10	Chronic tubotympanic suppurative otitis media, unspecified	10	Diagnosis
H66.11	Chronic tubotympanic suppurative otitis media, right ear	10	Diagnosis
H66.12	Chronic tubotympanic suppurative otitis media, left ear	10	Diagnosis
H66.13	Chronic tubotympanic suppurative otitis media, bilateral	10	Diagnosis
H66.2	Chronic atticoantral suppurative otitis media	10	Diagnosis
H66.20	Chronic atticoantral suppurative otitis media, unspecified ear	10	Diagnosis
H66.21	Chronic atticoantral suppurative otitis media, right ear	10	Diagnosis
H66.22	Chronic atticoantral suppurative otitis media, left ear	10	Diagnosis
H66.23	Chronic atticoantral suppurative otitis media, bilateral	10	Diagnosis
H66.3	Other chronic suppurative otitis media	10	Diagnosis
H66.3X	Other chronic suppurative otitis media	10	Diagnosis
H66.3X1	Other chronic suppurative otitis media, right ear	10	Diagnosis
H66.3X2	Other chronic suppurative otitis media, left ear	10	Diagnosis
H66.3X3	Other chronic suppurative otitis media, bilateral	10	Diagnosis
H66.3X9	Other chronic suppurative otitis media, unspecified ear	10	Diagnosis

**Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications<sup>1</sup>**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
H66.4	Suppurative otitis media, unspecified	10	Diagnosis
H66.40	Suppurative otitis media, unspecified, unspecified ear	10	Diagnosis
H66.41	Suppurative otitis media, unspecified, right ear	10	Diagnosis
H66.42	Suppurative otitis media, unspecified, left ear	10	Diagnosis
H66.43	Suppurative otitis media, unspecified, bilateral	10	Diagnosis
H66.9	Otitis media, unspecified	10	Diagnosis
H66.90	Otitis media, unspecified, unspecified ear	10	Diagnosis
H66.91	Otitis media, unspecified, right ear	10	Diagnosis
H66.92	Otitis media, unspecified, left ear	10	Diagnosis
H66.93	Otitis media, unspecified, bilateral	10	Diagnosis
H67	Otitis media in diseases classified elsewhere	10	Diagnosis
H67.1	Otitis media in diseases classified elsewhere, right ear	10	Diagnosis
H67.2	Otitis media in diseases classified elsewhere, left ear	10	Diagnosis
H67.3	Otitis media in diseases classified elsewhere, bilateral	10	Diagnosis
H67.9	Otitis media in diseases classified elsewhere, unspecified ear	10	Diagnosis
H70	Mastoiditis and related conditions	10	Diagnosis
H70.0	Acute mastoiditis	10	Diagnosis
H70.00	Acute mastoiditis without complications	10	Diagnosis
H70.001	Acute mastoiditis without complications, right ear	10	Diagnosis
H70.002	Acute mastoiditis without complications, left ear	10	Diagnosis
H70.003	Acute mastoiditis without complications, bilateral	10	Diagnosis
H70.009	Acute mastoiditis without complications, unspecified ear	10	Diagnosis
H70.01	Subperiosteal abscess of mastoid	10	Diagnosis
H70.011	Subperiosteal abscess of mastoid, right ear	10	Diagnosis
H70.012	Subperiosteal abscess of mastoid, left ear	10	Diagnosis
H70.013	Subperiosteal abscess of mastoid, bilateral	10	Diagnosis
H70.019	Subperiosteal abscess of mastoid, unspecified ear	10	Diagnosis
H70.09	Acute mastoiditis with other complications	10	Diagnosis
H70.091	Acute mastoiditis with other complications, right ear	10	Diagnosis
H70.092	Acute mastoiditis with other complications, left ear	10	Diagnosis
H70.093	Acute mastoiditis with other complications, bilateral	10	Diagnosis
H70.099	Acute mastoiditis with other complications, unspecified ear	10	Diagnosis
H70.1	Chronic mastoiditis	10	Diagnosis
H70.10	Chronic mastoiditis, unspecified ear	10	Diagnosis
H70.11	Chronic mastoiditis, right ear	10	Diagnosis
H70.12	Chronic mastoiditis, left ear	10	Diagnosis
H70.13	Chronic mastoiditis, bilateral	10	Diagnosis
H70.2	Petrositis	10	Diagnosis
H70.20	Unspecified petrositis	10	Diagnosis
H70.201	Unspecified petrositis, right ear	10	Diagnosis
H70.202	Unspecified petrositis, left ear	10	Diagnosis
H70.203	Unspecified petrositis, bilateral	10	Diagnosis
H70.209	Unspecified petrositis, unspecified ear	10	Diagnosis

**Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications<sup>1</sup>**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
H70.21	Acute petrositis	10	Diagnosis
H70.211	Acute petrositis, right ear	10	Diagnosis
H70.212	Acute petrositis, left ear	10	Diagnosis
H70.213	Acute petrositis, bilateral	10	Diagnosis
H70.219	Acute petrositis, unspecified ear	10	Diagnosis
H70.22	Chronic petrositis	10	Diagnosis
H70.221	Chronic petrositis, right ear	10	Diagnosis
H70.222	Chronic petrositis, left ear	10	Diagnosis
H70.223	Chronic petrositis, bilateral	10	Diagnosis
H70.229	Chronic petrositis, unspecified ear	10	Diagnosis
H70.8	Other mastoiditis and related conditions	10	Diagnosis
H70.81	Postauricular fistula	10	Diagnosis
H70.811	Postauricular fistula, right ear	10	Diagnosis
H70.812	Postauricular fistula, left ear	10	Diagnosis
H70.813	Postauricular fistula, bilateral	10	Diagnosis
H70.819	Postauricular fistula, unspecified ear	10	Diagnosis
H70.89	Other mastoiditis and related conditions	10	Diagnosis
H70.891	Other mastoiditis and related conditions, right ear	10	Diagnosis
H70.892	Other mastoiditis and related conditions, left ear	10	Diagnosis
H70.893	Other mastoiditis and related conditions, bilateral	10	Diagnosis
H70.899	Other mastoiditis and related conditions, unspecified ear	10	Diagnosis
H70.9	Unspecified mastoiditis	10	Diagnosis
H70.90	Unspecified mastoiditis, unspecified ear	10	Diagnosis
H70.91	Unspecified mastoiditis, right ear	10	Diagnosis
H70.92	Unspecified mastoiditis, left ear	10	Diagnosis
H70.93	Unspecified mastoiditis, bilateral	10	Diagnosis
H72	Perforation of tympanic membrane	10	Diagnosis
H72.0	Central perforation of tympanic membrane	10	Diagnosis
H72.00	Central perforation of tympanic membrane, unspecified ear	10	Diagnosis
H72.01	Central perforation of tympanic membrane, right ear	10	Diagnosis
H72.02	Central perforation of tympanic membrane, left ear	10	Diagnosis
H72.03	Central perforation of tympanic membrane, bilateral	10	Diagnosis
H72.1	Attic perforation of tympanic membrane	10	Diagnosis
H72.10	Attic perforation of tympanic membrane, unspecified ear	10	Diagnosis
H72.11	Attic perforation of tympanic membrane, right ear	10	Diagnosis
H72.12	Attic perforation of tympanic membrane, left ear	10	Diagnosis
H72.13	Attic perforation of tympanic membrane, bilateral	10	Diagnosis
H72.2	Other marginal perforations of tympanic membrane	10	Diagnosis
H72.2X	Other marginal perforations of tympanic membrane	10	Diagnosis
H72.2X1	Other marginal perforations of tympanic membrane, right ear	10	Diagnosis
H72.2X2	Other marginal perforations of tympanic membrane, left ear	10	Diagnosis
H72.2X3	Other marginal perforations of tympanic membrane, bilateral	10	Diagnosis
H72.2X9	Other marginal perforations of tympanic membrane, unspecified ear	10	Diagnosis

**Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications<sup>1</sup>**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
H72.8	Other perforations of tympanic membrane	10	Diagnosis
H72.81	Multiple perforations of tympanic membrane	10	Diagnosis
H72.811	Multiple perforations of tympanic membrane, right ear	10	Diagnosis
H72.812	Multiple perforations of tympanic membrane, left ear	10	Diagnosis
H72.813	Multiple perforations of tympanic membrane, bilateral	10	Diagnosis
H72.819	Multiple perforations of tympanic membrane, unspecified ear	10	Diagnosis
H72.82	Total perforations of tympanic membrane	10	Diagnosis
H72.821	Total perforations of tympanic membrane, right ear	10	Diagnosis
H72.822	Total perforations of tympanic membrane, left ear	10	Diagnosis
H72.823	Total perforations of tympanic membrane, bilateral	10	Diagnosis
H72.829	Total perforations of tympanic membrane, unspecified ear	10	Diagnosis
H72.9	Unspecified perforation of tympanic membrane	10	Diagnosis
H72.90	Unspecified perforation of tympanic membrane, unspecified ear	10	Diagnosis
H72.91	Unspecified perforation of tympanic membrane, right ear	10	Diagnosis
H72.92	Unspecified perforation of tympanic membrane, left ear	10	Diagnosis
H72.93	Unspecified perforation of tympanic membrane, bilateral	10	Diagnosis
H73	Other disorders of tympanic membrane	10	Diagnosis
H73.0	Acute myringitis	10	Diagnosis
H73.00	Unspecified acute myringitis	10	Diagnosis
H73.001	Acute myringitis, right ear	10	Diagnosis
H73.002	Acute myringitis, left ear	10	Diagnosis
H73.003	Acute myringitis, bilateral	10	Diagnosis
H73.009	Acute myringitis, unspecified ear	10	Diagnosis
H73.01	Bullous myringitis	10	Diagnosis
H73.011	Bullous myringitis, right ear	10	Diagnosis
H73.012	Bullous myringitis, left ear	10	Diagnosis
H73.013	Bullous myringitis, bilateral	10	Diagnosis
H73.019	Bullous myringitis, unspecified ear	10	Diagnosis
H73.09	Other acute myringitis	10	Diagnosis
H73.091	Other acute myringitis, right ear	10	Diagnosis
H73.092	Other acute myringitis, left ear	10	Diagnosis
H73.093	Other acute myringitis, bilateral	10	Diagnosis
H73.099	Other acute myringitis, unspecified ear	10	Diagnosis
H73.1	Chronic myringitis	10	Diagnosis
H73.10	Chronic myringitis, unspecified ear	10	Diagnosis
H73.11	Chronic myringitis, right ear	10	Diagnosis
H73.12	Chronic myringitis, left ear	10	Diagnosis
H73.13	Chronic myringitis, bilateral	10	Diagnosis
H73.2	Unspecified myringitis	10	Diagnosis
H73.20	Unspecified myringitis, unspecified ear	10	Diagnosis
H73.21	Unspecified myringitis, right ear	10	Diagnosis
H73.22	Unspecified myringitis, left ear	10	Diagnosis
H73.23	Unspecified myringitis, bilateral	10	Diagnosis



**Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications<sup>1</sup>**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
H75	Other disorders of middle ear and mastoid in diseases classified elsewhere	10	Diagnosis
H75.0	Mastoiditis in infectious and parasitic diseases classified elsewhere	10	Diagnosis
H75.00	Mastoiditis in infectious and parasitic diseases classified elsewhere, unspecified ear	10	Diagnosis
H75.01	Mastoiditis in infectious and parasitic diseases classified elsewhere, right ear	10	Diagnosis
H75.02	Mastoiditis in infectious and parasitic diseases classified elsewhere, left ear	10	Diagnosis
H75.03	Mastoiditis in infectious and parasitic diseases classified elsewhere, bilateral	10	Diagnosis
H83	Other diseases of inner ear	10	Diagnosis
H83.0	Labyrinthitis	10	Diagnosis
H83.01	Labyrinthitis, right ear	10	Diagnosis
H83.02	Labyrinthitis, left ear	10	Diagnosis
H83.03	Labyrinthitis, bilateral	10	Diagnosis
H83.09	Labyrinthitis, unspecified ear	10	Diagnosis
J01	Acute sinusitis	10	Diagnosis
J01.0	Acute maxillary sinusitis	10	Diagnosis
J01.00	Acute maxillary sinusitis, unspecified	10	Diagnosis
J01.01	Acute recurrent maxillary sinusitis	10	Diagnosis
J01.1	Acute frontal sinusitis	10	Diagnosis
J01.10	Acute frontal sinusitis, unspecified	10	Diagnosis
J01.11	Acute recurrent frontal sinusitis	10	Diagnosis
J01.2	Acute ethmoidal sinusitis	10	Diagnosis
J01.20	Acute ethmoidal sinusitis, unspecified	10	Diagnosis
J01.21	Acute recurrent ethmoidal sinusitis	10	Diagnosis
J01.3	Acute sphenoidal sinusitis	10	Diagnosis
J01.30	Acute sphenoidal sinusitis, unspecified	10	Diagnosis
J01.31	Acute recurrent sphenoidal sinusitis	10	Diagnosis
J01.4	Acute pansinusitis	10	Diagnosis
J01.40	Acute pansinusitis, unspecified	10	Diagnosis
J01.41	Acute recurrent pansinusitis	10	Diagnosis
J01.8	Other acute sinusitis	10	Diagnosis
J01.80	Other acute sinusitis	10	Diagnosis
J01.81	Other acute recurrent sinusitis	10	Diagnosis
J01.9	Acute sinusitis, unspecified	10	Diagnosis
J01.90	Acute sinusitis, unspecified	10	Diagnosis
J01.91	Acute recurrent sinusitis, unspecified	10	Diagnosis
J02	Acute pharyngitis	10	Diagnosis
J02.0	Streptococcal pharyngitis	10	Diagnosis
J02.8	Acute pharyngitis due to other specified organisms	10	Diagnosis
J02.9	Acute pharyngitis, unspecified	10	Diagnosis
J03	Acute tonsillitis	10	Diagnosis
J03.0	Streptococcal tonsillitis	10	Diagnosis
J03.00	Acute streptococcal tonsillitis, unspecified	10	Diagnosis
J03.01	Acute recurrent streptococcal tonsillitis	10	Diagnosis
J03.8	Acute tonsillitis due to other specified organisms	10	Diagnosis

**Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications<sup>1</sup>**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
J03.80	Acute tonsillitis due to other specified organisms	10	Diagnosis
J03.81	Acute recurrent tonsillitis due to other specified organisms	10	Diagnosis
J03.9	Acute tonsillitis, unspecified	10	Diagnosis
J03.90	Acute tonsillitis, unspecified	10	Diagnosis
J03.91	Acute recurrent tonsillitis, unspecified	10	Diagnosis
J04	Acute laryngitis and tracheitis	10	Diagnosis
J04.1	Acute tracheitis	10	Diagnosis
J04.10	Acute tracheitis without obstruction	10	Diagnosis
J04.11	Acute tracheitis with obstruction	10	Diagnosis
J04.3	Supraglottitis, unspecified	10	Diagnosis
J04.30	Supraglottitis, unspecified, without obstruction	10	Diagnosis
J04.31	Supraglottitis, unspecified, with obstruction	10	Diagnosis
J05	Acute obstructive laryngitis [croup] and epiglottitis	10	Diagnosis
J05.1	Acute epiglottitis	10	Diagnosis
J05.10	Acute epiglottitis without obstruction	10	Diagnosis
J05.11	Acute epiglottitis with obstruction	10	Diagnosis
<b>Gastrointestinal Infections</b>			
001	Cholera	09	Diagnosis
001.0	Cholera due to <i>Vibrio cholerae</i>	09	Diagnosis
001.1	Cholera due to <i>Vibrio cholerae</i> el tor	09	Diagnosis
001.9	Unspecified cholera	09	Diagnosis
002	Typhoid and paratyphoid fevers	09	Diagnosis
002.0	Typhoid fever	09	Diagnosis
002.1	Paratyphoid fever A	09	Diagnosis
002.2	Paratyphoid fever B	09	Diagnosis
002.3	Paratyphoid fever C	09	Diagnosis
002.9	Unspecified paratyphoid fever	09	Diagnosis
003	Other salmonella infections	09	Diagnosis
003.0	Salmonella gastroenteritis	09	Diagnosis
003.1	Salmonella septicemia	09	Diagnosis
003.2	Localized salmonella infections	09	Diagnosis
003.20	Unspecified localized salmonella infection	09	Diagnosis
003.21	Salmonella meningitis	09	Diagnosis
003.22	Salmonella pneumonia	09	Diagnosis
003.23	Salmonella arthritis	09	Diagnosis
003.24	Salmonella osteomyelitis	09	Diagnosis
003.29	Other localized salmonella infections	09	Diagnosis
003.8	Other specified salmonella infections	09	Diagnosis
003.9	Unspecified salmonella infection	09	Diagnosis
004	Shigellosis	09	Diagnosis
004.0	Shigella dysenteriae	09	Diagnosis
004.1	Shigella flexneri	09	Diagnosis
004.2	Shigella boydii	09	Diagnosis

**Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications<sup>1</sup>**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
004.3	Shigella sonnei	09	Diagnosis
004.8	Other specified shigella infections	09	Diagnosis
004.9	Unspecified shigellosis	09	Diagnosis
005	Other food poisoning (bacterial)	09	Diagnosis
005.0	Staphylococcal food poisoning	09	Diagnosis
005.2	Food poisoning due to Clostridium perfringens (C. welchii)	09	Diagnosis
005.3	Food poisoning due to other Clostridia	09	Diagnosis
005.4	Food poisoning due to Vibrio parahaemolyticus	09	Diagnosis
005.8	Other bacterial food poisoning	09	Diagnosis
005.81	Food poisoning due to Vibrio vulnificus	09	Diagnosis
005.89	Other bacterial food poisoning	09	Diagnosis
005.9	Unspecified food poisoning	09	Diagnosis
006	Amebiasis	09	Diagnosis
006.0	Acute amebic dysentery without mention of abscess	09	Diagnosis
006.1	Chronic intestinal amebiasis without mention of abscess	09	Diagnosis
006.2	Amebic nondysenteric colitis	09	Diagnosis
006.3	Amebic liver abscess	09	Diagnosis
006.4	Amebic lung abscess	09	Diagnosis
006.5	Amebic brain abscess	09	Diagnosis
006.6	Amebic skin ulceration	09	Diagnosis
006.8	Amebic infection of other sites	09	Diagnosis
006.9	Unspecified amebiasis	09	Diagnosis
007	Other protozoal intestinal diseases	09	Diagnosis
007.0	Balantidiasis	09	Diagnosis
007.1	Giardiasis	09	Diagnosis
007.2	Coccidiosis	09	Diagnosis
007.3	Intestinal trichomoniasis	09	Diagnosis
007.4	Cryptosporidiosis	09	Diagnosis
007.5	Cyclosporiasis	09	Diagnosis
007.8	Other specified protozoal intestinal diseases	09	Diagnosis
007.9	Unspecified protozoal intestinal disease	09	Diagnosis
008	Intestinal infections due to other organisms	09	Diagnosis
008.0	Intestinal infection due to Escherichia coli (E. coli)	09	Diagnosis
008.00	Intestinal infection due to unspecified E. coli	09	Diagnosis
008.01	Intestinal infection due to enteropathogenic E. coli	09	Diagnosis
008.02	Intestinal infection due to enterotoxigenic E. coli	09	Diagnosis
008.03	Intestinal infection due to enteroinvasive E. coli	09	Diagnosis
008.09	Intestinal infection due to other intestinal E. coli infections	09	Diagnosis
008.1	Intestinal infection due to Arizona group of paracolony bacilli	09	Diagnosis
008.2	Intestinal infection due to aerobacter aerogenes	09	Diagnosis
008.3	Intestinal infections due to proteus (mirabilis) (morganii)	09	Diagnosis
008.4	Intestinal infections due to other specified bacteria	09	Diagnosis
008.41	Intestinal infections due to staphylococcus	09	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
008.42	Intestinal infections due to pseudomonas	09	Diagnosis
008.43	Intestinal infections due to campylobacter	09	Diagnosis
008.44	Intestinal infections due to yersinia enterocolitica	09	Diagnosis
008.45	Intestinal infections due to clostridium difficile	09	Diagnosis
008.46	Intestinal infections due to other anaerobes	09	Diagnosis
008.47	Intestinal infections due to other gram-negative bacteria	09	Diagnosis
008.49	Intestinal infection due to other organisms	09	Diagnosis
008.5	Intestinal infection due to unspecified bacterial enteritis	09	Diagnosis
008.8	Intestinal infection due to other organism, NEC	09	Diagnosis
009	Ill-defined intestinal infections	09	Diagnosis
009.0	Infectious colitis, enteritis, and gastroenteritis	09	Diagnosis
009.1	Colitis, enteritis, and gastroenteritis of presumed infectious origin	09	Diagnosis
009.2	Infectious diarrhea	09	Diagnosis
009.3	Diarrhea of presumed infectious origin	09	Diagnosis
530	Diseases of esophagus	09	Diagnosis
530.1	Esophagitis	09	Diagnosis
530.10	Unspecified esophagitis	09	Diagnosis
530.12	Acute esophagitis	09	Diagnosis
530.19	Other esophagitis	09	Diagnosis
530.4	Perforation of esophagus	09	Diagnosis
530.86	Infection of esophagostomy	09	Diagnosis
531	Gastric ulcer	09	Diagnosis
531.0	Acute gastric ulcer with hemorrhage	09	Diagnosis
531.00	Acute gastric ulcer with hemorrhage, without mention of obstruction	09	Diagnosis
531.01	Acute gastric ulcer with hemorrhage and obstruction	09	Diagnosis
531.1	Acute gastric ulcer with perforation	09	Diagnosis
531.10	Acute gastric ulcer with perforation, without mention of obstruction	09	Diagnosis
531.11	Acute gastric ulcer with perforation and obstruction	09	Diagnosis
531.2	Acute gastric ulcer with hemorrhage and perforation	09	Diagnosis
531.20	Acute gastric ulcer with hemorrhage and perforation, without mention of obstruction	09	Diagnosis
531.21	Acute gastric ulcer with hemorrhage, perforation, and obstruction	09	Diagnosis
531.3	Acute gastric ulcer without mention of hemorrhage or perforation	09	Diagnosis
531.30	Acute gastric ulcer without mention of hemorrhage, perforation, or obstruction	09	Diagnosis
531.31	Acute gastric ulcer without mention of hemorrhage or perforation, with obstruction	09	Diagnosis
531.4	Chronic or unspecified gastric ulcer with hemorrhage	09	Diagnosis
531.40	Chronic or unspecified gastric ulcer with hemorrhage, without mention of obstruction	09	Diagnosis
531.41	Chronic or unspecified gastric ulcer with hemorrhage and obstruction	09	Diagnosis
531.5	Chronic or unspecified gastric ulcer with perforation	09	Diagnosis
531.50	Chronic or unspecified gastric ulcer with perforation, without mention of obstruction	09	Diagnosis
531.51	Chronic or unspecified gastric ulcer with perforation and obstruction	09	Diagnosis
531.6	Chronic or unspecified gastric ulcer with hemorrhage and perforation	09	Diagnosis
531.60	Chronic or unspecified gastric ulcer with hemorrhage and perforation, without mention of obstruction	09	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
531.61	Chronic or unspecified gastric ulcer with hemorrhage, perforation, and obstruction	09	Diagnosis
531.7	Chronic gastric ulcer without mention of hemorrhage or perforation	09	Diagnosis
531.70	Chronic gastric ulcer without mention of hemorrhage, perforation, without mention of obstruction	09	Diagnosis
531.71	Chronic gastric ulcer without mention of hemorrhage or perforation, with obstruction	09	Diagnosis
531.9	Gastric ulcer, unspecified as acute or chronic, without mention of hemorrhage or perforation	09	Diagnosis
531.90	Gastric ulcer, unspecified as acute or chronic, without mention of hemorrhage, perforation, or obstruction	09	Diagnosis
531.91	Gastric ulcer, unspecified as acute or chronic, without mention of hemorrhage or perforation, with obstruction	09	Diagnosis
532	Duodenal ulcer	09	Diagnosis
532.0	Acute duodenal ulcer with hemorrhage	09	Diagnosis
532.00	Acute duodenal ulcer with hemorrhage, without mention of obstruction	09	Diagnosis
532.01	Acute duodenal ulcer with hemorrhage and obstruction	09	Diagnosis
532.1	Acute duodenal ulcer with perforation	09	Diagnosis
532.10	Acute duodenal ulcer with perforation, without mention of obstruction	09	Diagnosis
532.11	Acute duodenal ulcer with perforation and obstruction	09	Diagnosis
532.2	Acute duodenal ulcer with hemorrhage and perforation	09	Diagnosis
532.20	Acute duodenal ulcer with hemorrhage and perforation, without mention of obstruction	09	Diagnosis
532.21	Acute duodenal ulcer with hemorrhage, perforation, and obstruction	09	Diagnosis
532.3	Acute duodenal ulcer without mention of hemorrhage or perforation	09	Diagnosis
532.30	Acute duodenal ulcer without mention of hemorrhage, perforation, or obstruction	09	Diagnosis
532.31	Acute duodenal ulcer without mention of hemorrhage or perforation, with obstruction	09	Diagnosis
532.4	Chronic or unspecified duodenal ulcer with hemorrhage	09	Diagnosis
532.40	Duodenal ulcer, chronic or unspecified, with hemorrhage, without mention of obstruction	09	Diagnosis
532.41	Chronic or unspecified duodenal ulcer with hemorrhage and obstruction	09	Diagnosis
532.5	Chronic or unspecified duodenal ulcer with perforation	09	Diagnosis
532.50	Chronic or unspecified duodenal ulcer with perforation, without mention of obstruction	09	Diagnosis
532.51	Chronic or unspecified duodenal ulcer with perforation and obstruction	09	Diagnosis
532.6	Chronic or unspecified duodenal ulcer with hemorrhage and perforation	09	Diagnosis
532.60	Chronic or unspecified duodenal ulcer with hemorrhage and perforation, without mention of obstruction	09	Diagnosis
532.61	Chronic or unspecified duodenal ulcer with hemorrhage, perforation, and obstruction	09	Diagnosis
532.7	Chronic duodenal ulcer without mention of hemorrhage or perforation	09	Diagnosis
532.70	Chronic duodenal ulcer without mention of hemorrhage, perforation, or obstruction	09	Diagnosis
532.71	Chronic duodenal ulcer without mention of hemorrhage or perforation, with obstruction	09	Diagnosis
532.9	Duodenal ulcer, unspecified as acute or chronic, without mention of hemorrhage or perforation	09	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
532.90	Duodenal ulcer, unspecified as acute or chronic, without hemorrhage, perforation, or obstruction	09	Diagnosis
532.91	Duodenal ulcer, unspecified as acute or chronic, without mention of hemorrhage or perforation, with obstruction	09	Diagnosis
533	Peptic ulcer, site unspecified	09	Diagnosis
533.0	Acute peptic ulcer, unspecified site, with hemorrhage	09	Diagnosis
533.00	Acute peptic ulcer, unspecified site, with hemorrhage, without mention of obstruction	09	Diagnosis
533.01	Acute peptic ulcer, unspecified site, with hemorrhage and obstruction	09	Diagnosis
533.1	Acute peptic ulcer, unspecified site, with perforation	09	Diagnosis
533.10	Acute peptic ulcer, unspecified site, with perforation, without mention of obstruction	09	Diagnosis
533.11	Acute peptic ulcer, unspecified site, with perforation and obstruction	09	Diagnosis
533.2	Acute peptic ulcer, unspecified site, with hemorrhage and perforation	09	Diagnosis
533.20	Acute peptic ulcer, unspecified site, with hemorrhage and perforation, without mention of obstruction	09	Diagnosis
533.21	Acute peptic ulcer, unspecified site, with hemorrhage, perforation, and obstruction	09	Diagnosis
533.3	Acute peptic ulcer, unspecified site, without mention of hemorrhage and perforation	09	Diagnosis
533.30	Acute peptic ulcer, unspecified site, without mention of hemorrhage, perforation, or obstruction	09	Diagnosis
533.31	Acute peptic ulcer, unspecified site, without mention of hemorrhage and perforation, with obstruction	09	Diagnosis
533.4	Chronic or unspecified peptic ulcer, unspecified site, with hemorrhage	09	Diagnosis
533.40	Chronic or unspecified peptic ulcer, unspecified site, with hemorrhage, without mention of obstruction	09	Diagnosis
533.41	Chronic or unspecified peptic ulcer, unspecified site, with hemorrhage and obstruction	09	Diagnosis
533.5	Chronic or unspecified peptic ulcer, unspecified site, with perforation	09	Diagnosis
533.50	Chronic or unspecified peptic ulcer, unspecified site, with perforation, without mention of obstruction	09	Diagnosis
533.51	Chronic or unspecified peptic ulcer, unspecified site, with perforation and obstruction	09	Diagnosis
533.6	Chronic or unspecified peptic ulcer, unspecified site, with hemorrhage and perforation	09	Diagnosis
533.60	Chronic or unspecified peptic ulcer, unspecified site, with hemorrhage and perforation, without mention of obstruction	09	Diagnosis
533.61	Chronic or unspecified peptic ulcer, unspecified site, with hemorrhage, perforation, and obstruction	09	Diagnosis
533.7	Chronic peptic ulcer, unspecified site, without mention of hemorrhage or perforation	09	Diagnosis
533.70	Chronic peptic ulcer, unspecified site, without mention of hemorrhage, perforation, or obstruction	09	Diagnosis
533.71	Chronic peptic ulcer of unspecified site without mention of hemorrhage or perforation, with obstruction	09	Diagnosis
533.9	Peptic ulcer, unspecified site, unspecified as acute or chronic, without mention of hemorrhage or perforation	09	Diagnosis
533.90	Peptic ulcer, unspecified site, unspecified as acute or chronic, without mention of hemorrhage, perforation, or obstruction	09	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
533.91	Peptic ulcer, unspecified site, unspecified as acute or chronic, without mention of hemorrhage or perforation, with obstruction	09	Diagnosis
534	Gastrojejunal ulcer	09	Diagnosis
534.0	Acute gastrojejunal ulcer with hemorrhage	09	Diagnosis
534.00	Acute gastrojejunal ulcer with hemorrhage, without mention of obstruction	09	Diagnosis
534.01	Acute gastrojejunal ulcer, with hemorrhage and obstruction	09	Diagnosis
534.1	Acute gastrojejunal ulcer with perforation	09	Diagnosis
534.10	Acute gastrojejunal ulcer with perforation, without mention of obstruction	09	Diagnosis
534.11	Acute gastrojejunal ulcer with perforation and obstruction	09	Diagnosis
534.2	Acute gastrojejunal ulcer with hemorrhage and perforation	09	Diagnosis
534.20	Acute gastrojejunal ulcer with hemorrhage and perforation, without mention of obstruction	09	Diagnosis
534.21	Acute gastrojejunal ulcer with hemorrhage, perforation, and obstruction	09	Diagnosis
534.3	Acute gastrojejunal ulcer without mention of hemorrhage or perforation	09	Diagnosis
534.30	Acute gastrojejunal ulcer without mention of hemorrhage, perforation, or obstruction	09	Diagnosis
534.31	Acute gastrojejunal ulcer without mention of hemorrhage or perforation, with obstruction	09	Diagnosis
534.4	Chronic or unspecified gastrojejunal ulcer with hemorrhage	09	Diagnosis
534.40	Chronic or unspecified gastrojejunal ulcer with hemorrhage, without mention of obstruction	09	Diagnosis
534.41	Chronic or unspecified gastrojejunal ulcer, with hemorrhage and obstruction	09	Diagnosis
534.5	Chronic or unspecified gastrojejunal ulcer with perforation	09	Diagnosis
534.50	Chronic or unspecified gastrojejunal ulcer with perforation, without mention of obstruction	09	Diagnosis
534.51	Chronic or unspecified gastrojejunal ulcer with perforation and obstruction	09	Diagnosis
534.6	Chronic or unspecified gastrojejunal ulcer with hemorrhage and perforation	09	Diagnosis
534.60	Chronic or unspecified gastrojejunal ulcer with hemorrhage and perforation, without mention of obstruction	09	Diagnosis
534.61	Chronic or unspecified gastrojejunal ulcer with hemorrhage, perforation, and obstruction	09	Diagnosis
534.7	Chronic gastrojejunal ulcer without mention of hemorrhage or perforation	09	Diagnosis
534.70	Chronic gastrojejunal ulcer without mention of hemorrhage, perforation, or obstruction	09	Diagnosis
534.71	Chronic gastrojejunal ulcer without mention of hemorrhage or perforation, with obstruction	09	Diagnosis
534.9	Gastrojejunal ulcer, unspecified as acute or chronic, without mention of hemorrhage or perforation	09	Diagnosis
534.90	Gastrojejunal ulcer, unspecified as acute or chronic, without mention of hemorrhage, perforation, or obstruction	09	Diagnosis
534.91	Gastrojejunal ulcer, unspecified as acute or chronic, without mention of hemorrhage or perforation, with obstruction	09	Diagnosis
536	Disorders of function of stomach	09	Diagnosis
536.41	Infection of gastrostomy	09	Diagnosis



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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
537	Other disorders of stomach and duodenum	09	Diagnosis
537.4	Fistula of stomach or duodenum	09	Diagnosis
539	Complications of bariatric procedures	09	Diagnosis
539.01	Infection due to gastric band procedure	09	Diagnosis
539.81	Infection due to other bariatric procedure	09	Diagnosis
540	Acute appendicitis	09	Diagnosis
540.0	Acute appendicitis with generalized peritonitis	09	Diagnosis
540.1	Acute appendicitis with peritoneal abscess	09	Diagnosis
540.9	Acute appendicitis without mention of peritonitis	09	Diagnosis
541	Appendicitis, unqualified	09	Diagnosis
542	Other appendicitis	09	Diagnosis
550	Inguinal hernia	09	Diagnosis
550.0	Inguinal hernia, with gangrene	09	Diagnosis
550.00	Inguinal hernia with gangrene, unilateral or unspecified, (not specified as recurrent)	09	Diagnosis
550.01	Inguinal hernia with gangrene, recurrent unilateral or unspecified inguinal hernia	09	Diagnosis
550.02	Inguinal hernia with gangrene, bilateral	09	Diagnosis
550.03	Inguinal hernia with gangrene, recurrent bilateral	09	Diagnosis
551	Other hernia of abdominal cavity, with gangrene	09	Diagnosis
551.0	Femoral hernia with gangrene	09	Diagnosis
551.00	Femoral hernia with gangrene, unilateral or unspecified (not specified as recurrent)	09	Diagnosis
551.01	Femoral hernia with gangrene, recurrent unilateral or unspecified	09	Diagnosis
551.02	Femoral hernia with gangrene, bilateral, (not specified as recurrent)	09	Diagnosis
551.03	Femoral hernia with gangrene, recurrent bilateral	09	Diagnosis
551.1	Umbilical hernia with gangrene	09	Diagnosis
551.2	Ventral hernia with gangrene	09	Diagnosis
551.20	Unspecified ventral hernia with gangrene	09	Diagnosis
551.21	Incisional ventral hernia, with gangrene	09	Diagnosis
551.29	Other ventral hernia with gangrene	09	Diagnosis
551.3	Diaphragmatic hernia with gangrene	09	Diagnosis
551.8	Hernia of other specified sites, with gangrene	09	Diagnosis
551.9	Hernia of unspecified site, with gangrene	09	Diagnosis
555	Regional enteritis	09	Diagnosis
555.0	Regional enteritis of small intestine	09	Diagnosis
555.1	Regional enteritis of large intestine	09	Diagnosis
555.2	Regional enteritis of small intestine with large intestine	09	Diagnosis
555.9	Regional enteritis of unspecified site	09	Diagnosis
556	Ulcerative colitis	09	Diagnosis
556.0	Ulcerative (chronic) enterocolitis	09	Diagnosis
556.1	Ulcerative (chronic) ileocolitis	09	Diagnosis
556.2	Ulcerative (chronic) proctitis	09	Diagnosis
556.3	Ulcerative (chronic) proctosigmoiditis	09	Diagnosis
556.5	Left sided ulcerative (chronic) colitis	09	Diagnosis
556.6	Universal ulcerative (chronic) colitis	09	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
556.8	Other ulcerative colitis	09	Diagnosis
556.9	Unspecified ulcerative colitis	09	Diagnosis
562	Diverticula of intestine	09	Diagnosis
562.01	Diverticulitis of small intestine (without mention of hemorrhage)	09	Diagnosis
562.03	Diverticulitis of small intestine with hemorrhage	09	Diagnosis
562.11	Diverticulitis of colon (without mention of hemorrhage)	09	Diagnosis
562.13	Diverticulitis of colon with hemorrhage	09	Diagnosis
565	Anal fissure and fistula	09	Diagnosis
565.1	Anal fistula	09	Diagnosis
566	Abscess of anal and rectal regions	09	Diagnosis
567	Peritonitis and retroperitoneal infections	09	Diagnosis
567.0	Peritonitis in infectious diseases classified elsewhere	09	Diagnosis
567.1	Pneumococcal peritonitis	09	Diagnosis
567.2	Other suppurative peritonitis	09	Diagnosis
567.21	Peritonitis (acute) generalized	09	Diagnosis
567.22	Peritoneal abscess	09	Diagnosis
567.23	Spontaneous bacterial peritonitis	09	Diagnosis
567.29	Other suppurative peritonitis	09	Diagnosis
567.3	Retroperitoneal infections	09	Diagnosis
567.31	Psoas muscle abscess	09	Diagnosis
567.38	Other retroperitoneal abscess	09	Diagnosis
567.39	Other retroperitoneal infections	09	Diagnosis
567.8	Other specified peritonitis	09	Diagnosis
567.81	Choleperitonitis	09	Diagnosis
567.82	Sclerosing mesenteritis	09	Diagnosis
567.89	Other specified peritonitis	09	Diagnosis
567.9	Unspecified peritonitis	09	Diagnosis
568	Other disorders of peritoneum	09	Diagnosis
569	Other disorders of intestine	09	Diagnosis
569.5	Abscess of intestine	09	Diagnosis
569.61	Infection of colostomy or enterostomy	09	Diagnosis
569.71	Pouchitis	09	Diagnosis
569.81	Fistula of intestine, excluding rectum and anus	09	Diagnosis
569.83	Perforation of intestine	09	Diagnosis
572	Liver abscess and sequelae of chronic liver disease	09	Diagnosis
572.0	Abscess of liver	09	Diagnosis
572.1	Portal pyemia	09	Diagnosis
574	Cholelithiasis	09	Diagnosis
574.0	Calculus of gallbladder with acute cholecystitis	09	Diagnosis
574.00	Calculus of gallbladder with acute cholecystitis, without mention of obstruction	09	Diagnosis
574.01	Calculus of gallbladder with acute cholecystitis and obstruction	09	Diagnosis
574.1	Calculus of gallbladder with other cholecystitis	09	Diagnosis
574.10	Calculus of gallbladder with other cholecystitis, without mention of obstruction	09	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
574.11	Calculus of gallbladder with other cholecystitis and obstruction	09	Diagnosis
574.3	Calculus of bile duct with acute cholecystitis	09	Diagnosis
574.30	Calculus of bile duct with acute cholecystitis without mention of obstruction	09	Diagnosis
574.31	Calculus of bile duct with acute cholecystitis and obstruction	09	Diagnosis
574.4	Calculus of bile duct with other cholecystitis	09	Diagnosis
574.40	Calculus of bile duct with other cholecystitis, without mention of obstruction	09	Diagnosis
574.41	Calculus of bile duct with other cholecystitis and obstruction	09	Diagnosis
574.6	Calculus of gallbladder and bile duct with acute cholecystitis	09	Diagnosis
574.60	Calculus of gallbladder and bile duct with acute cholecystitis, without mention of obstruction	09	Diagnosis
574.61	Calculus of gallbladder and bile duct with acute cholecystitis, with obstruction	09	Diagnosis
574.7	Calculus of gallbladder and bile duct with other cholecystitis	09	Diagnosis
574.70	Calculus of gallbladder and bile duct with other cholecystitis, without mention of obstruction	09	Diagnosis
574.71	Calculus of gallbladder and bile duct with other cholecystitis, with obstruction	09	Diagnosis
574.8	Calculus of gallbladder and bile duct with acute and chronic cholecystitis	09	Diagnosis
574.80	Calculus of gallbladder and bile duct with acute and chronic cholecystitis, without mention of obstruction	09	Diagnosis
574.81	Calculus of gallbladder and bile duct with acute and chronic cholecystitis, with obstruction	09	Diagnosis
575	Other disorders of gallbladder	09	Diagnosis
575.0	Acute cholecystitis	09	Diagnosis
575.1	Other cholecystitis	09	Diagnosis
575.10	Cholecystitis, unspecified	09	Diagnosis
575.11	Chronic cholecystitis	09	Diagnosis
575.12	Acute and chronic cholecystitis	09	Diagnosis
575.2	Obstruction of gallbladder	09	Diagnosis
575.4	Perforation of gallbladder	09	Diagnosis
575.5	Fistula of gallbladder	09	Diagnosis
576	Other disorders of biliary tract	09	Diagnosis
576.1	Cholangitis	09	Diagnosis
576.2	Obstruction of bile duct	09	Diagnosis
576.3	Perforation of bile duct	09	Diagnosis
576.4	Fistula of bile duct	09	Diagnosis
577	Diseases of pancreas	09	Diagnosis
577.0	Acute pancreatitis	09	Diagnosis
579	Intestinal malabsorption	09	Diagnosis
579.1	Tropical sprue	09	Diagnosis
A00	Cholera	10	Diagnosis
A00.0	Cholera due to <i>Vibrio cholerae</i> 01, biovar cholerae	10	Diagnosis
A00.1	Cholera due to <i>Vibrio cholerae</i> 01, biovar eltor	10	Diagnosis
A00.9	Cholera, unspecified	10	Diagnosis
A01	Typhoid and paratyphoid fevers	10	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
A01.0	Typhoid fever	10	Diagnosis
A01.00	Typhoid fever, unspecified	10	Diagnosis
A01.01	Typhoid meningitis	10	Diagnosis
A01.02	Typhoid fever with heart involvement	10	Diagnosis
A01.03	Typhoid pneumonia	10	Diagnosis
A01.04	Typhoid arthritis	10	Diagnosis
A01.05	Typhoid osteomyelitis	10	Diagnosis
A01.09	Typhoid fever with other complications	10	Diagnosis
A01.1	Paratyphoid fever A	10	Diagnosis
A01.2	Paratyphoid fever B	10	Diagnosis
A01.3	Paratyphoid fever C	10	Diagnosis
A01.4	Paratyphoid fever, unspecified	10	Diagnosis
A02	Other salmonella infections	10	Diagnosis
A02.0	Salmonella enteritis	10	Diagnosis
A02.1	Salmonella sepsis	10	Diagnosis
A02.2	Localized salmonella infections	10	Diagnosis
A02.20	Localized salmonella infection, unspecified	10	Diagnosis
A02.21	Salmonella meningitis	10	Diagnosis
A02.22	Salmonella pneumonia	10	Diagnosis
A02.23	Salmonella arthritis	10	Diagnosis
A02.24	Salmonella osteomyelitis	10	Diagnosis
A02.25	Salmonella pyelonephritis	10	Diagnosis
A02.29	Salmonella with other localized infection	10	Diagnosis
A02.8	Other specified salmonella infections	10	Diagnosis
A02.9	Salmonella infection, unspecified	10	Diagnosis
A03	Shigellosis	10	Diagnosis
A03.0	Shigellosis due to Shigella dysenteriae	10	Diagnosis
A03.1	Shigellosis due to Shigella flexneri	10	Diagnosis
A03.2	Shigellosis due to Shigella boydii	10	Diagnosis
A03.3	Shigellosis due to Shigella sonnei	10	Diagnosis
A03.8	Other shigellosis	10	Diagnosis
A03.9	Shigellosis, unspecified	10	Diagnosis
A04	Other bacterial intestinal infections	10	Diagnosis
A04.0	Enteropathogenic Escherichia coli infection	10	Diagnosis
A04.1	Enterotoxigenic Escherichia coli infection	10	Diagnosis
A04.2	Enteroinvasive Escherichia coli infection	10	Diagnosis
A04.4	Other intestinal Escherichia coli infections	10	Diagnosis
A04.5	Campylobacter enteritis	10	Diagnosis
A04.6	Enteritis due to Yersinia enterocolitica	10	Diagnosis
A04.7	Enterocolitis due to Clostridium difficile	10	Diagnosis
A04.71	Enterocolitis due to Clostridium difficile, recurrent	10	Diagnosis
A04.72	Enterocolitis due to Clostridium difficile, not specified as recurrent	10	Diagnosis
A04.8	Other specified bacterial intestinal infections	10	Diagnosis

**Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications<sup>1</sup>**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
A04.9	Bacterial intestinal infection, unspecified	10	Diagnosis
A05	Other bacterial foodborne intoxications, not elsewhere classified	10	Diagnosis
A05.0	Foodborne staphylococcal intoxication	10	Diagnosis
A05.2	Foodborne Clostridium perfringens [Clostridium welchii] intoxication	10	Diagnosis
A05.3	Foodborne Vibrio parahaemolyticus intoxication	10	Diagnosis
A05.4	Foodborne Bacillus cereus intoxication	10	Diagnosis
A05.5	Foodborne Vibrio vulnificus intoxication	10	Diagnosis
A05.8	Other specified bacterial foodborne intoxications	10	Diagnosis
A05.9	Bacterial foodborne intoxication, unspecified	10	Diagnosis
A06	Amebiasis	10	Diagnosis
A06.0	Acute amebic dysentery	10	Diagnosis
A06.1	Chronic intestinal amebiasis	10	Diagnosis
A06.2	Amebic nondysenteric colitis	10	Diagnosis
A06.3	Ameboma of intestine	10	Diagnosis
A06.4	Amebic liver abscess	10	Diagnosis
A06.5	Amebic lung abscess	10	Diagnosis
A06.6	Amebic brain abscess	10	Diagnosis
A06.7	Cutaneous amebiasis	10	Diagnosis
A06.8	Amebic infection of other sites	10	Diagnosis
A06.81	Amebic cystitis	10	Diagnosis
A06.82	Other amebic genitourinary infections	10	Diagnosis
A06.89	Other amebic infections	10	Diagnosis
A06.9	Amebiasis, unspecified	10	Diagnosis
A07	Other protozoal intestinal diseases	10	Diagnosis
A07.0	Balantidiasis	10	Diagnosis
A07.1	Giardiasis [lambliasis]	10	Diagnosis
A07.2	Cryptosporidiosis	10	Diagnosis
A07.3	Isosporiasis	10	Diagnosis
A07.4	Cyclosporiasis	10	Diagnosis
A07.8	Other specified protozoal intestinal diseases	10	Diagnosis
A07.9	Protozoal intestinal disease, unspecified	10	Diagnosis
A08	Viral and other specified intestinal infections	10	Diagnosis
A08.8	Other specified intestinal infections	10	Diagnosis
A09	Infectious gastroenteritis and colitis, unspecified	10	Diagnosis
K20	Esophagitis	10	Diagnosis
K20.8	Other esophagitis	10	Diagnosis
K20.9	Esophagitis, unspecified	10	Diagnosis
K22	Other diseases of esophagus	10	Diagnosis
K22.3	Perforation of esophagus	10	Diagnosis
K25	Gastric ulcer	10	Diagnosis
K25.0	Acute gastric ulcer with hemorrhage	10	Diagnosis
K25.1	Acute gastric ulcer with perforation	10	Diagnosis
K25.2	Acute gastric ulcer with both hemorrhage and perforation	10	Diagnosis

**Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications<sup>1</sup>**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
K25.3	Acute gastric ulcer without hemorrhage or perforation	10	Diagnosis
K25.4	Chronic or unspecified gastric ulcer with hemorrhage	10	Diagnosis
K25.5	Chronic or unspecified gastric ulcer with perforation	10	Diagnosis
K25.6	Chronic or unspecified gastric ulcer with both hemorrhage and perforation	10	Diagnosis
K25.7	Chronic gastric ulcer without hemorrhage or perforation	10	Diagnosis
K25.9	Gastric ulcer, unspecified as acute or chronic, without hemorrhage or perforation	10	Diagnosis
K26	Duodenal ulcer	10	Diagnosis
K26.0	Acute duodenal ulcer with hemorrhage	10	Diagnosis
K26.1	Acute duodenal ulcer with perforation	10	Diagnosis
K26.2	Acute duodenal ulcer with both hemorrhage and perforation	10	Diagnosis
K26.3	Acute duodenal ulcer without hemorrhage or perforation	10	Diagnosis
K26.4	Chronic or unspecified duodenal ulcer with hemorrhage	10	Diagnosis
K26.5	Chronic or unspecified duodenal ulcer with perforation	10	Diagnosis
K26.6	Chronic or unspecified duodenal ulcer with both hemorrhage and perforation	10	Diagnosis
K26.7	Chronic duodenal ulcer without hemorrhage or perforation	10	Diagnosis
K26.9	Duodenal ulcer, unspecified as acute or chronic, without hemorrhage or perforation	10	Diagnosis
K27	Peptic ulcer, site unspecified	10	Diagnosis
K27.0	Acute peptic ulcer, site unspecified, with hemorrhage	10	Diagnosis
K27.1	Acute peptic ulcer, site unspecified, with perforation	10	Diagnosis
K27.2	Acute peptic ulcer, site unspecified, with both hemorrhage and perforation	10	Diagnosis
K27.3	Acute peptic ulcer, site unspecified, without hemorrhage or perforation	10	Diagnosis
K27.4	Chronic or unspecified peptic ulcer, site unspecified, with hemorrhage	10	Diagnosis
K27.5	Chronic or unspecified peptic ulcer, site unspecified, with perforation	10	Diagnosis
K27.6	Chronic or unspecified peptic ulcer, site unspecified, with both hemorrhage and perforation	10	Diagnosis
K27.7	Chronic peptic ulcer, site unspecified, without hemorrhage or perforation	10	Diagnosis
K27.9	Peptic ulcer, site unspecified, unspecified as acute or chronic, without hemorrhage or perforation	10	Diagnosis
K28	Gastrojejunal ulcer	10	Diagnosis
K28.1	Acute gastrojejunal ulcer with perforation	10	Diagnosis
K28.2	Acute gastrojejunal ulcer with both hemorrhage and perforation	10	Diagnosis
K28.5	Chronic or unspecified gastrojejunal ulcer with perforation	10	Diagnosis
K28.6	Chronic or unspecified gastrojejunal ulcer with both hemorrhage and perforation	10	Diagnosis
K31	Other diseases of stomach and duodenum	10	Diagnosis
K31.6	Fistula of stomach and duodenum	10	Diagnosis
K35	Acute appendicitis	10	Diagnosis
K35.2	Acute appendicitis with generalized peritonitis	10	Diagnosis
K35.3	Acute appendicitis with localized peritonitis	10	Diagnosis
K35.8	Other and unspecified acute appendicitis	10	Diagnosis
K35.80	Unspecified acute appendicitis	10	Diagnosis
K35.89	Other acute appendicitis	10	Diagnosis
K36	Other appendicitis	10	Diagnosis
K37	Unspecified appendicitis	10	Diagnosis

**Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications<sup>1</sup>**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
K38	Other diseases of appendix	10	Diagnosis
K38.3	Fistula of appendix	10	Diagnosis
K40	Inguinal hernia	10	Diagnosis
K40.1	Bilateral inguinal hernia, with gangrene	10	Diagnosis
K40.10	Bilateral inguinal hernia, with gangrene, not specified as recurrent	10	Diagnosis
K40.11	Bilateral inguinal hernia, with gangrene, recurrent	10	Diagnosis
K40.4	Unilateral inguinal hernia, with gangrene	10	Diagnosis
K40.40	Unilateral inguinal hernia, with gangrene, not specified as recurrent	10	Diagnosis
K40.41	Unilateral inguinal hernia, with gangrene, recurrent	10	Diagnosis
K41	Femoral hernia	10	Diagnosis
K41.1	Bilateral femoral hernia, with gangrene	10	Diagnosis
K41.10	Bilateral femoral hernia, with gangrene, not specified as recurrent	10	Diagnosis
K41.11	Bilateral femoral hernia, with gangrene, recurrent	10	Diagnosis
K41.4	Unilateral femoral hernia, with gangrene	10	Diagnosis
K41.40	Unilateral femoral hernia, with gangrene, not specified as recurrent	10	Diagnosis
K41.41	Unilateral femoral hernia, with gangrene, recurrent	10	Diagnosis
K42	Umbilical hernia	10	Diagnosis
K42.1	Umbilical hernia with gangrene	10	Diagnosis
K43	Ventral hernia	10	Diagnosis
K43.1	Incisional hernia with gangrene	10	Diagnosis
K43.4	Parastomal hernia with gangrene	10	Diagnosis
K43.7	Other and unspecified ventral hernia with gangrene	10	Diagnosis
K44	Diaphragmatic hernia	10	Diagnosis
K44.1	Diaphragmatic hernia with gangrene	10	Diagnosis
K45	Other abdominal hernia	10	Diagnosis
K45.1	Other specified abdominal hernia with gangrene	10	Diagnosis
K46	Unspecified abdominal hernia	10	Diagnosis
K46.1	Unspecified abdominal hernia with gangrene	10	Diagnosis
K50	Crohn's disease [regional enteritis]	10	Diagnosis
K50.0	Crohn's disease of small intestine	10	Diagnosis
K50.00	Crohn's disease of small intestine without complications	10	Diagnosis
K50.01	Crohn's disease of small intestine with complications	10	Diagnosis
K50.011	Crohn's disease of small intestine with rectal bleeding	10	Diagnosis
K50.012	Crohn's disease of small intestine with intestinal obstruction	10	Diagnosis
K50.013	Crohn's disease of small intestine with fistula	10	Diagnosis
K50.014	Crohn's disease of small intestine with abscess	10	Diagnosis
K50.018	Crohn's disease of small intestine with other complication	10	Diagnosis
K50.019	Crohn's disease of small intestine with unspecified complications	10	Diagnosis
K50.1	Crohn's disease of large intestine	10	Diagnosis
K50.10	Crohn's disease of large intestine without complications	10	Diagnosis
K50.11	Crohn's disease of large intestine with complications	10	Diagnosis
K50.111	Crohn's disease of large intestine with rectal bleeding	10	Diagnosis
K50.112	Crohn's disease of large intestine with intestinal obstruction	10	Diagnosis



**Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications<sup>1</sup>**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
K50.113	Crohn's disease of large intestine with fistula	10	Diagnosis
K50.114	Crohn's disease of large intestine with abscess	10	Diagnosis
K50.118	Crohn's disease of large intestine with other complication	10	Diagnosis
K50.119	Crohn's disease of large intestine with unspecified complications	10	Diagnosis
K50.8	Crohn's disease of both small and large intestine	10	Diagnosis
K50.80	Crohn's disease of both small and large intestine without complications	10	Diagnosis
K50.81	Crohn's disease of both small and large intestine with complications	10	Diagnosis
K50.811	Crohn's disease of both small and large intestine with rectal bleeding	10	Diagnosis
K50.812	Crohn's disease of both small and large intestine with intestinal obstruction	10	Diagnosis
K50.813	Crohn's disease of both small and large intestine with fistula	10	Diagnosis
K50.814	Crohn's disease of both small and large intestine with abscess	10	Diagnosis
K50.818	Crohn's disease of both small and large intestine with other complication	10	Diagnosis
K50.819	Crohn's disease of both small and large intestine with unspecified complications	10	Diagnosis
K50.9	Crohn's disease, unspecified	10	Diagnosis
K50.90	Crohn's disease, unspecified, without complications	10	Diagnosis
K50.91	Crohn's disease, unspecified, with complications	10	Diagnosis
K50.911	Crohn's disease, unspecified, with rectal bleeding	10	Diagnosis
K50.912	Crohn's disease, unspecified, with intestinal obstruction	10	Diagnosis
K50.913	Crohn's disease, unspecified, with fistula	10	Diagnosis
K50.914	Crohn's disease, unspecified, with abscess	10	Diagnosis
K50.918	Crohn's disease, unspecified, with other complication	10	Diagnosis
K50.919	Crohn's disease, unspecified, with unspecified complications	10	Diagnosis
K51	Ulcerative colitis	10	Diagnosis
K51.0	Ulcerative (chronic) pancolitis	10	Diagnosis
K51.00	Ulcerative (chronic) pancolitis without complications	10	Diagnosis
K51.01	Ulcerative (chronic) pancolitis with complications	10	Diagnosis
K51.011	Ulcerative (chronic) pancolitis with rectal bleeding	10	Diagnosis
K51.012	Ulcerative (chronic) pancolitis with intestinal obstruction	10	Diagnosis
K51.013	Ulcerative (chronic) pancolitis with fistula	10	Diagnosis
K51.014	Ulcerative (chronic) pancolitis with abscess	10	Diagnosis
K51.018	Ulcerative (chronic) pancolitis with other complication	10	Diagnosis
K51.019	Ulcerative (chronic) pancolitis with unspecified complications	10	Diagnosis
K51.2	Ulcerative (chronic) proctitis	10	Diagnosis
K51.20	Ulcerative (chronic) proctitis without complications	10	Diagnosis
K51.21	Ulcerative (chronic) proctitis with complications	10	Diagnosis
K51.211	Ulcerative (chronic) proctitis with rectal bleeding	10	Diagnosis
K51.212	Ulcerative (chronic) proctitis with intestinal obstruction	10	Diagnosis
K51.213	Ulcerative (chronic) proctitis with fistula	10	Diagnosis
K51.214	Ulcerative (chronic) proctitis with abscess	10	Diagnosis
K51.218	Ulcerative (chronic) proctitis with other complication	10	Diagnosis
K51.219	Ulcerative (chronic) proctitis with unspecified complications	10	Diagnosis
K51.3	Ulcerative (chronic) rectosigmoiditis	10	Diagnosis
K51.30	Ulcerative (chronic) rectosigmoiditis without complications	10	Diagnosis

**Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications<sup>1</sup>**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
K51.31	Ulcerative (chronic) rectosigmoiditis with complications	10	Diagnosis
K51.311	Ulcerative (chronic) rectosigmoiditis with rectal bleeding	10	Diagnosis
K51.312	Ulcerative (chronic) rectosigmoiditis with intestinal obstruction	10	Diagnosis
K51.313	Ulcerative (chronic) rectosigmoiditis with fistula	10	Diagnosis
K51.314	Ulcerative (chronic) rectosigmoiditis with abscess	10	Diagnosis
K51.318	Ulcerative (chronic) rectosigmoiditis with other complication	10	Diagnosis
K51.319	Ulcerative (chronic) rectosigmoiditis with unspecified complications	10	Diagnosis
K51.413	Inflammatory polyps of colon with fistula	10	Diagnosis
K51.414	Inflammatory polyps of colon with abscess	10	Diagnosis
K51.5	Left sided colitis	10	Diagnosis
K51.50	Left sided colitis without complications	10	Diagnosis
K51.51	Left sided colitis with complications	10	Diagnosis
K51.511	Left sided colitis with rectal bleeding	10	Diagnosis
K51.512	Left sided colitis with intestinal obstruction	10	Diagnosis
K51.513	Left sided colitis with fistula	10	Diagnosis
K51.514	Left sided colitis with abscess	10	Diagnosis
K51.518	Left sided colitis with other complication	10	Diagnosis
K51.519	Left sided colitis with unspecified complications	10	Diagnosis
K51.8	Other ulcerative colitis	10	Diagnosis
K51.80	Other ulcerative colitis without complications	10	Diagnosis
K51.81	Other ulcerative colitis with complications	10	Diagnosis
K51.811	Other ulcerative colitis with rectal bleeding	10	Diagnosis
K51.812	Other ulcerative colitis with intestinal obstruction	10	Diagnosis
K51.813	Other ulcerative colitis with fistula	10	Diagnosis
K51.814	Other ulcerative colitis with abscess	10	Diagnosis
K51.818	Other ulcerative colitis with other complication	10	Diagnosis
K51.819	Other ulcerative colitis with unspecified complications	10	Diagnosis
K51.9	Ulcerative colitis, unspecified	10	Diagnosis
K51.90	Ulcerative colitis, unspecified, without complications	10	Diagnosis
K51.91	Ulcerative colitis, unspecified, with complications	10	Diagnosis
K51.911	Ulcerative colitis, unspecified with rectal bleeding	10	Diagnosis
K51.912	Ulcerative colitis, unspecified with intestinal obstruction	10	Diagnosis
K51.913	Ulcerative colitis, unspecified with fistula	10	Diagnosis
K51.914	Ulcerative colitis, unspecified with abscess	10	Diagnosis
K51.918	Ulcerative colitis, unspecified with other complication	10	Diagnosis
K51.919	Ulcerative colitis, unspecified with unspecified complications	10	Diagnosis
K55	Vascular disorders of intestine	10	Diagnosis
K55.3	Necrotizing enterocolitis	10	Diagnosis
K55.30	Necrotizing enterocolitis, unspecified	10	Diagnosis
K55.31	Stage 1 necrotizing enterocolitis	10	Diagnosis
K55.32	Stage 2 necrotizing enterocolitis	10	Diagnosis
K55.33	Stage 3 necrotizing enterocolitis	10	Diagnosis
K57	Diverticular disease of intestine	10	Diagnosis

**Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications<sup>1</sup>**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
K57.0	Diverticulitis of small intestine with perforation and abscess	10	Diagnosis
K57.00	Diverticulitis of small intestine with perforation and abscess without bleeding	10	Diagnosis
K57.01	Diverticulitis of small intestine with perforation and abscess with bleeding	10	Diagnosis
K57.12	Diverticulitis of small intestine without perforation or abscess without bleeding	10	Diagnosis
K57.13	Diverticulitis of small intestine without perforation or abscess with bleeding	10	Diagnosis
K57.2	Diverticulitis of large intestine with perforation and abscess	10	Diagnosis
K57.20	Diverticulitis of large intestine with perforation and abscess without bleeding	10	Diagnosis
K57.21	Diverticulitis of large intestine with perforation and abscess with bleeding	10	Diagnosis
K57.32	Diverticulitis of large intestine without perforation or abscess without bleeding	10	Diagnosis
K57.33	Diverticulitis of large intestine without perforation or abscess with bleeding	10	Diagnosis
K57.4	Diverticulitis of both small and large intestine with perforation and abscess	10	Diagnosis
K57.40	Diverticulitis of both small and large intestine with perforation and abscess without bleeding	10	Diagnosis
K57.41	Diverticulitis of both small and large intestine with perforation and abscess with bleeding	10	Diagnosis
K57.52	Diverticulitis of both small and large intestine without perforation or abscess without bleeding	10	Diagnosis
K57.53	Diverticulitis of both small and large intestine without perforation or abscess with bleeding	10	Diagnosis
K57.8	Diverticulitis of intestine, part unspecified, with perforation and abscess	10	Diagnosis
K57.80	Diverticulitis of intestine, part unspecified, with perforation and abscess without bleeding	10	Diagnosis
K57.81	Diverticulitis of intestine, part unspecified, with perforation and abscess with bleeding	10	Diagnosis
K57.92	Diverticulitis of intestine, part unspecified, without perforation or abscess without bleeding	10	Diagnosis
K57.93	Diverticulitis of intestine, part unspecified, without perforation or abscess with bleeding	10	Diagnosis
K60	Fissure and fistula of anal and rectal regions	10	Diagnosis
K60.3	Anal fistula	10	Diagnosis
K60.4	Rectal fistula	10	Diagnosis
K60.5	Anorectal fistula	10	Diagnosis
K61	Abscess of anal and rectal regions	10	Diagnosis
K61.0	Anal abscess	10	Diagnosis
K61.1	Rectal abscess	10	Diagnosis
K61.2	Anorectal abscess	10	Diagnosis
K61.3	Ischiorectal abscess	10	Diagnosis
K61.4	Intrasphincteric abscess	10	Diagnosis
K63	Other diseases of intestine	10	Diagnosis
K63.0	Abscess of intestine	10	Diagnosis
K63.1	Perforation of intestine (nontraumatic)	10	Diagnosis
K63.2	Fistula of intestine	10	Diagnosis
K65	Peritonitis	10	Diagnosis
K65.0	Generalized (acute) peritonitis	10	Diagnosis

**Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications<sup>1</sup>**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
K65.1	Peritoneal abscess	10	Diagnosis
K65.2	Spontaneous bacterial peritonitis	10	Diagnosis
K65.3	Choleperitonitis	10	Diagnosis
K65.4	Sclerosing mesenteritis	10	Diagnosis
K65.8	Other peritonitis	10	Diagnosis
K65.9	Peritonitis, unspecified	10	Diagnosis
K68	Disorders of retroperitoneum	10	Diagnosis
K68.1	Retroperitoneal abscess	10	Diagnosis
K68.11	Postprocedural retroperitoneal abscess	10	Diagnosis
K68.12	Psoas muscle abscess	10	Diagnosis
K68.19	Other retroperitoneal abscess	10	Diagnosis
K75	Other inflammatory liver diseases	10	Diagnosis
K75.0	Abscess of liver	10	Diagnosis
K75.1	Phlebitis of portal vein	10	Diagnosis
K80	Cholelithiasis	10	Diagnosis
K80.0	Calculus of gallbladder with acute cholecystitis	10	Diagnosis
K80.00	Calculus of gallbladder with acute cholecystitis without obstruction	10	Diagnosis
K80.01	Calculus of gallbladder with acute cholecystitis with obstruction	10	Diagnosis
K80.1	Calculus of gallbladder with other cholecystitis	10	Diagnosis
K80.10	Calculus of gallbladder with chronic cholecystitis without obstruction	10	Diagnosis
K80.11	Calculus of gallbladder with chronic cholecystitis with obstruction	10	Diagnosis
K80.12	Calculus of gallbladder with acute and chronic cholecystitis without obstruction	10	Diagnosis
K80.13	Calculus of gallbladder with acute and chronic cholecystitis with obstruction	10	Diagnosis
K80.18	Calculus of gallbladder with other cholecystitis without obstruction	10	Diagnosis
K80.19	Calculus of gallbladder with other cholecystitis with obstruction	10	Diagnosis
K80.3	Calculus of bile duct with cholangitis	10	Diagnosis
K80.30	Calculus of bile duct with cholangitis, unspecified, without obstruction	10	Diagnosis
K80.31	Calculus of bile duct with cholangitis, unspecified, with obstruction	10	Diagnosis
K80.32	Calculus of bile duct with acute cholangitis without obstruction	10	Diagnosis
K80.33	Calculus of bile duct with acute cholangitis with obstruction	10	Diagnosis
K80.34	Calculus of bile duct with chronic cholangitis without obstruction	10	Diagnosis
K80.35	Calculus of bile duct with chronic cholangitis with obstruction	10	Diagnosis
K80.36	Calculus of bile duct with acute and chronic cholangitis without obstruction	10	Diagnosis
K80.37	Calculus of bile duct with acute and chronic cholangitis with obstruction	10	Diagnosis
K80.4	Calculus of bile duct with cholecystitis	10	Diagnosis
K80.40	Calculus of bile duct with cholecystitis, unspecified, without obstruction	10	Diagnosis
K80.41	Calculus of bile duct with cholecystitis, unspecified, with obstruction	10	Diagnosis
K80.42	Calculus of bile duct with acute cholecystitis without obstruction	10	Diagnosis
K80.43	Calculus of bile duct with acute cholecystitis with obstruction	10	Diagnosis
K80.44	Calculus of bile duct with chronic cholecystitis without obstruction	10	Diagnosis
K80.45	Calculus of bile duct with chronic cholecystitis with obstruction	10	Diagnosis
K80.46	Calculus of bile duct with acute and chronic cholecystitis without obstruction	10	Diagnosis
K80.47	Calculus of bile duct with acute and chronic cholecystitis with obstruction	10	Diagnosis

**Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications<sup>1</sup>**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
K80.6	Calculus of gallbladder and bile duct with cholecystitis	10	Diagnosis
K80.60	Calculus of gallbladder and bile duct with cholecystitis, unspecified, without obstruction	10	Diagnosis
K80.61	Calculus of gallbladder and bile duct with cholecystitis, unspecified, with obstruction	10	Diagnosis
K80.62	Calculus of gallbladder and bile duct with acute cholecystitis without obstruction	10	Diagnosis
K80.63	Calculus of gallbladder and bile duct with acute cholecystitis with obstruction	10	Diagnosis
K80.64	Calculus of gallbladder and bile duct with chronic cholecystitis without obstruction	10	Diagnosis
K80.65	Calculus of gallbladder and bile duct with chronic cholecystitis with obstruction	10	Diagnosis
K80.66	Calculus of gallbladder and bile duct with acute and chronic cholecystitis without obstruction	10	Diagnosis
K80.67	Calculus of gallbladder and bile duct with acute and chronic cholecystitis with obstruction	10	Diagnosis
K80.81	Other cholelithiasis with obstruction	10	Diagnosis
K81	Cholecystitis	10	Diagnosis
K81.0	Acute cholecystitis	10	Diagnosis
K81.1	Chronic cholecystitis	10	Diagnosis
K81.2	Acute cholecystitis with chronic cholecystitis	10	Diagnosis
K81.9	Cholecystitis, unspecified	10	Diagnosis
K82	Other diseases of gallbladder	10	Diagnosis
K82.0	Obstruction of gallbladder	10	Diagnosis
K82.2	Perforation of gallbladder	10	Diagnosis
K82.3	Fistula of gallbladder	10	Diagnosis
K83	Other diseases of biliary tract	10	Diagnosis
K83.0	Cholangitis	10	Diagnosis
K83.1	Obstruction of bile duct	10	Diagnosis
K83.2	Perforation of bile duct	10	Diagnosis
K83.3	Fistula of bile duct	10	Diagnosis
K85	Acute pancreatitis	10	Diagnosis
K85.02	Idiopathic acute pancreatitis with infected necrosis	10	Diagnosis
K85.12	Biliary acute pancreatitis with infected necrosis	10	Diagnosis
K85.22	Alcohol induced acute pancreatitis with infected necrosis	10	Diagnosis
K85.32	Drug induced acute pancreatitis with infected necrosis	10	Diagnosis
K85.82	Other acute pancreatitis with infected necrosis	10	Diagnosis
K85.92	Acute pancreatitis with infected necrosis, unspecified	10	Diagnosis
K90	Intestinal malabsorption	10	Diagnosis
K90.1	Tropical sprue	10	Diagnosis
K90.81	Whipple's disease	10	Diagnosis
K91	Intraoperative and postprocedural complications and disorders of digestive system, not elsewhere classified	10	Diagnosis
K91.7	Accidental puncture and laceration of a digestive system organ or structure during a procedure	10	Diagnosis
K91.71	Accidental puncture and laceration of a digestive system organ or structure during a digestive system procedure	10	Diagnosis

**Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications<sup>1</sup>**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
K91.72	Accidental puncture and laceration of a digestive system organ or structure during other procedure	10	Diagnosis
K91.850	Pouchitis	10	Diagnosis
K94	Complications of artificial openings of the digestive system	10	Diagnosis
K94.02	Colostomy infection	10	Diagnosis
K94.12	Enterostomy infection	10	Diagnosis
K94.22	Gastrostomy infection	10	Diagnosis
K94.32	Esophagostomy infection	10	Diagnosis
K95	Complications of bariatric procedures	10	Diagnosis
K95.01	Infection due to gastric band procedure	10	Diagnosis
K95.81	Infection due to other bariatric procedure	10	Diagnosis
<b>Lower Respiratory Infections</b>			
010	Primary tuberculous infection	09	Diagnosis
010.0	Primary tuberculous complex	09	Diagnosis
010.00	Primary tuberculous complex, confirmation unspecified	09	Diagnosis
010.01	Primary tuberculous complex, bacteriological or histological examination not done	09	Diagnosis
010.02	Primary tuberculous complex, bacteriological or histological examination unknown (at present)	09	Diagnosis
010.03	Primary tuberculous complex, tubercle bacilli found (in sputum) by microscopy	09	Diagnosis
010.04	Primary tuberculous complex, tubercle bacilli not found (in sputum) by microscopy, but found by bacterial culture	09	Diagnosis
010.05	Primary tuberculous complex, tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	09	Diagnosis
010.06	Primary tuberculous complex, tubercle bacilli not found by bacteriological or histological examination, but tuberculosis confirmed by other methods [inoculation of animals]	09	Diagnosis
010.1	Tuberculous pleurisy in primary progressive tuberculosis	09	Diagnosis
010.10	Tuberculous pleurisy in primary progressive tuberculosis, confirmation unspecified	09	Diagnosis
010.11	Tuberculous pleurisy in primary progressive tuberculosis, bacteriological or histological examination not done	09	Diagnosis
010.12	Tuberculous pleurisy in primary progressive tuberculosis, bacteriological or histological examination results unknown (at present)	09	Diagnosis
010.13	Tuberculous pleurisy in primary progressive tuberculosis, tubercle bacilli found (in sputum) by microscopy	09	Diagnosis
010.14	Tuberculous pleurisy in primary progressive tuberculosis, tubercle bacilli not found (in sputum) by microscopy, but found by bacterial culture	09	Diagnosis
010.15	Tuberculous pleurisy in primary progressive tuberculosis, tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	09	Diagnosis
010.16	Tuberculous pleurisy in primary progressive tuberculosis, tubercle bacilli not found by bacteriological or histological examination, but tuberculosis confirmed by other methods [inoculation of animals]	09	Diagnosis
010.8	Other primary progressive tuberculosis infection	09	Diagnosis
010.80	Other primary progressive tuberculosis infection, confirmation unspecified	09	Diagnosis



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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
010.81	Other primary progressive tuberculosis infection, bacteriological or histological examination not done	09	Diagnosis
010.82	Other primary progressive tuberculosis infection, bacteriological or histological examination unknown (at present)	09	Diagnosis
010.83	Other primary progressive tuberculosis infection, tubercle bacilli found (in sputum) by microscopy	09	Diagnosis
010.84	Other primary progressive tuberculosis infection, tubercle bacilli not found (in sputum) by microscopy, but found by bacterial culture	09	Diagnosis
010.85	Other primary progressive tuberculosis infection, tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	09	Diagnosis
010.86	Other primary progressive tuberculosis infection, tubercle bacilli not found by bacteriological or histological examination, but tuberculosis confirmed by other methods [inoculation of animals]	09	Diagnosis
010.9	Primary tuberculous infection, unspecified	09	Diagnosis
010.90	Primary tuberculous infection, unspecified, confirmation unspecified	09	Diagnosis
010.91	Primary tuberculous infection, unspecified, bacteriological or histological examination not done	09	Diagnosis
010.92	Primary tuberculous infection, unspecified, bacteriological or histological examination unknown (at present)	09	Diagnosis
010.93	Primary tuberculous infection, unspecified, tubercle bacilli found (in sputum) by microscopy	09	Diagnosis
010.94	Primary tuberculous infection, unspecified, tubercle bacilli not found (in sputum) by microscopy, but found by bacterial culture	09	Diagnosis
010.95	Primary tuberculous infection, unspecified, tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	09	Diagnosis
010.96	Primary tuberculous infection, unspecified, tubercle bacilli not found by bacteriological or histological examination, but tuberculosis confirmed by other methods [inoculation of animals]	09	Diagnosis
011	Pulmonary tuberculosis	09	Diagnosis
011.0	Tuberculosis of lung, infiltrative	09	Diagnosis
011.00	Tuberculosis of lung, infiltrative, confirmation unspecified	09	Diagnosis
011.01	Tuberculosis of lung, infiltrative, bacteriological or histological examination not done	09	Diagnosis
011.02	Tuberculosis of lung, infiltrative, bacteriological or histological examination unknown (at present)	09	Diagnosis
011.03	Tuberculosis of lung, infiltrative, tubercle bacilli found (in sputum) by microscopy	09	Diagnosis
011.04	Tuberculosis of lung, infiltrative, tubercle bacilli not found (in sputum) by microscopy, but found by bacterial culture	09	Diagnosis
011.05	Tuberculosis of lung, infiltrative, tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	09	Diagnosis
011.06	Tuberculosis of lung, infiltrative, tubercle bacilli not found bacteriological or histological examination, but tuberculosis confirmed by other methods (inoculation of animals)	09	Diagnosis
011.1	Tuberculosis of lung, nodular	09	Diagnosis



**Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications<sup>1</sup>**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
011.10	Tuberculosis of lung, nodular, confirmation unspecified	09	Diagnosis
011.11	Tuberculosis of lung, nodular, bacteriological or histological examination not done	09	Diagnosis
011.12	Tuberculosis of lung, nodular, bacteriological or histological examination unknown (at present)	09	Diagnosis
011.13	Tuberculosis of lung, nodular, tubercle bacilli found (in sputum) by microscopy	09	Diagnosis
011.14	Tuberculosis of lung, nodular, tubercle bacilli not found (in sputum) by microscopy, but found by bacterial culture	09	Diagnosis
011.15	Tuberculosis of lung, nodular, tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	09	Diagnosis
011.16	Tuberculosis of lung, nodular, tubercle bacilli not found by bacteriological or histological examination, but tuberculosis confirmed by other methods [inoculation of animals]	09	Diagnosis
011.2	Tuberculosis of lung with cavitation	09	Diagnosis
011.20	Tuberculosis of lung with cavitation, confirmation unspecified	09	Diagnosis
011.21	Tuberculosis of lung with cavitation, bacteriological or histological examination not done	09	Diagnosis
011.22	Tuberculosis of lung with cavitation, bacteriological or histological examination unknown (at present)	09	Diagnosis
011.23	Tuberculosis of lung with cavitation, tubercle bacilli found (in sputum) by microscopy	09	Diagnosis
011.24	Tuberculosis of lung with cavitation, tubercle bacilli not found (in sputum) by microscopy, but found by bacterial culture	09	Diagnosis
011.25	Tuberculosis of lung with cavitation, tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	09	Diagnosis
011.26	Tuberculosis of lung with cavitation, tubercle bacilli not found by bacteriological or histological examination, but tuberculosis confirmed by other methods [inoculation of animals]	09	Diagnosis
011.3	Tuberculosis of bronchus	09	Diagnosis
011.30	Tuberculosis of bronchus, confirmation unspecified	09	Diagnosis
011.31	Tuberculosis of bronchus, bacteriological or histological examination not done	09	Diagnosis
011.32	Tuberculosis of bronchus, bacteriological or histological examination unknown (at present)	09	Diagnosis
011.33	Tuberculosis of bronchus, tubercle bacilli found (in sputum) by microscopy	09	Diagnosis
011.34	Tuberculosis of bronchus, tubercle bacilli not found (in sputum) by microscopy, but found in bacterial culture	09	Diagnosis
011.35	Tuberculosis of bronchus, tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	09	Diagnosis
011.36	Tuberculosis of bronchus, tubercle bacilli not found by bacteriological or histological examination, but tuberculosis confirmed by other methods [inoculation of animals]	09	Diagnosis
011.4	Tuberculous fibrosis of lung	09	Diagnosis
011.40	Tuberculous fibrosis of lung, confirmation unspecified	09	Diagnosis
011.41	Tuberculous fibrosis of lung, bacteriological or histological examination not done	09	Diagnosis
011.42	Tuberculous fibrosis of lung, bacteriological or histological examination unknown (at present)	09	Diagnosis

**Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications<sup>1</sup>**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
011.43	Tuberculous fibrosis of lung, tubercle bacilli found (in sputum) by microscopy	09	Diagnosis
011.44	Tuberculous fibrosis of lung, tubercle bacilli not found (in sputum) by microscopy, but found by bacterial culture	09	Diagnosis
011.45	Tuberculous fibrosis of lung, tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	09	Diagnosis
011.46	Tuberculous fibrosis of lung, tubercle bacilli not found by bacteriological or histological examination, but tuberculosis confirmed by other methods [inoculation of animals]	09	Diagnosis
011.5	Tuberculous bronchiectasis	09	Diagnosis
011.50	Tuberculous bronchiectasis, confirmation unspecified	09	Diagnosis
011.51	Tuberculous bronchiectasis, bacteriological or histological examination not done	09	Diagnosis
011.52	Tuberculous bronchiectasis, bacteriological or histological examination unknown (at present)	09	Diagnosis
011.53	Tuberculous bronchiectasis, tubercle bacilli found (in sputum) by microscopy	09	Diagnosis
011.54	Tuberculous bronchiectasis, tubercle bacilli not found (in sputum) by microscopy, but found by bacterial culture	09	Diagnosis
011.55	Tuberculous bronchiectasis, tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	09	Diagnosis
011.56	Tuberculous bronchiectasis, tubercle bacilli not found by bacteriological or histological examination, but tuberculosis confirmed by other methods [inoculation of animals]	09	Diagnosis
011.6	Tuberculous pneumonia (any form)	09	Diagnosis
011.60	Tuberculous pneumonia (any form), confirmation unspecified	09	Diagnosis
011.61	Tuberculous pneumonia (any form), bacteriological or histological examination not done	09	Diagnosis
011.62	Tuberculous pneumonia (any form), bacteriological or histological examination unknown (at present)	09	Diagnosis
011.63	Tuberculous pneumonia (any form), tubercle bacilli found (in sputum) by microscopy	09	Diagnosis
011.64	Tuberculous pneumonia (any form), tubercle bacilli not found (in sputum) by microscopy, but found by bacterial culture	09	Diagnosis
011.65	Tuberculous pneumonia (any form), tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	09	Diagnosis
011.66	Tuberculous pneumonia (any form), tubercle bacilli not found by bacteriological or histological examination, but tuberculosis confirmed by other methods [inoculation of animals]	09	Diagnosis
011.7	Tuberculous pneumothorax	09	Diagnosis
011.70	Tuberculous pneumothorax, confirmation unspecified	09	Diagnosis
011.71	Tuberculous pneumothorax, bacteriological or histological examination not done	09	Diagnosis
011.72	Tuberculous pneumothorax, bacteriological or histological examination unknown (at present)	09	Diagnosis
011.73	Tuberculous pneumothorax, tubercle bacilli not found (in sputum) by microscopy	09	Diagnosis
011.74	Tuberculous pneumothorax, tubercle bacilli not found (in sputum) by microscopy, but found by bacterial culture	09	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
011.75	Tuberculous pneumothorax, tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	09	Diagnosis
011.76	Tuberculous pneumothorax, tubercle bacilli not found by bacteriological or histological examination but tuberculosis confirmed by other methods [inoculation of animals]	09	Diagnosis
011.8	Other specified pulmonary tuberculosis	09	Diagnosis
011.80	Other specified pulmonary tuberculosis, confirmation unspecified	09	Diagnosis
011.81	Other specified pulmonary tuberculosis, bacteriological or histological examination not done	09	Diagnosis
011.82	Other specified pulmonary tuberculosis, bacteriological or histological examination unknown (at present)	09	Diagnosis
011.83	Other specified pulmonary tuberculosis, tubercle bacilli found (in sputum) by microscopy	09	Diagnosis
011.84	Other specified pulmonary tuberculosis, tubercle bacilli not found (in sputum) by microscopy, but found by bacterial culture	09	Diagnosis
011.85	Other specified pulmonary tuberculosis, tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	09	Diagnosis
011.86	Other specified pulmonary tuberculosis, tubercle bacilli not found by bacteriological or histological examination, but tuberculosis confirmed by other methods [inoculation of animals]	09	Diagnosis
011.9	Unspecified pulmonary tuberculosis	09	Diagnosis
011.90	Unspecified pulmonary tuberculosis, confirmation unspecified	09	Diagnosis
011.91	Unspecified pulmonary tuberculosis, bacteriological or histological examination not done	09	Diagnosis
011.92	Unspecified pulmonary tuberculosis, bacteriological or histological examination unknown (at present)	09	Diagnosis
011.93	Unspecified pulmonary tuberculosis, tubercle bacilli found (in sputum) by microscopy	09	Diagnosis
011.94	Unspecified pulmonary tuberculosis, tubercle bacilli not found (in sputum) by microscopy, but found by bacterial culture	09	Diagnosis
011.95	Unspecified pulmonary tuberculosis, tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	09	Diagnosis
011.96	Unspecified pulmonary tuberculosis, tubercle bacilli not found by bacteriological or histological examination, but tuberculosis confirmed by other methods [inoculation of animals]	09	Diagnosis
012	Other respiratory tuberculosis	09	Diagnosis
012.0	Tuberculous pleurisy	09	Diagnosis
012.00	Tuberculous pleurisy, confirmation unspecified	09	Diagnosis
012.01	Tuberculous pleurisy, bacteriological or histological examination not done	09	Diagnosis
012.02	Tuberculous pleurisy, bacteriological or histological examination unknown (at present)	09	Diagnosis
012.03	Tuberculous pleurisy, tubercle bacilli found (in sputum) by microscopy	09	Diagnosis
012.04	Tuberculous pleurisy, tubercle bacilli not found (in sputum) by microscopy, but found by bacterial culture	09	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
012.05	Tuberculous pleurisy, tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	09	Diagnosis
012.06	Tuberculous pleurisy, tubercle bacilli not found by bacteriological or histological examination, but tuberculosis confirmed by other methods [inoculation of animals]	09	Diagnosis
012.1	Tuberculosis of intrathoracic lymph nodes	09	Diagnosis
012.10	Tuberculosis of intrathoracic lymph nodes, confirmation unspecified	09	Diagnosis
012.11	Tuberculosis of intrathoracic lymph nodes, bacteriological or histological examination not done	09	Diagnosis
012.12	Tuberculosis of intrathoracic lymph nodes, bacteriological or histological examination unknown (at present)	09	Diagnosis
012.13	Tuberculosis of intrathoracic lymph nodes, tubercle bacilli found (in sputum) by microscopy	09	Diagnosis
012.14	Tuberculosis of intrathoracic lymph nodes, tubercle bacilli not found (in sputum) by microscopy, but found by bacterial culture	09	Diagnosis
012.15	Tuberculosis of intrathoracic lymph nodes, tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	09	Diagnosis
012.16	Tuberculosis of intrathoracic lymph nodes, tubercle bacilli not found by bacteriological or histological examination but tuberculosis confirmed by other methods	09	Diagnosis
012.2	Isolated tracheal or bronchial tuberculosis	09	Diagnosis
012.20	Isolated tracheal or bronchial tuberculosis, unspecified	09	Diagnosis
012.21	Isolated tracheal or bronchial tuberculosis, bacteriological or histological examination not done	09	Diagnosis
012.22	Isolated tracheal or bronchial tuberculosis, bacteriological or histological examination unknown (at present)	09	Diagnosis
012.23	Isolated tracheal or bronchial tuberculosis, tubercle bacilli found (in sputum) by microscopy	09	Diagnosis
012.24	Isolated tracheal or bronchial tuberculosis, tubercle bacilli not found (in sputum) by microscopy, but found by bacterial culture	09	Diagnosis
012.25	Isolated tracheal or bronchial tuberculosis, tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	09	Diagnosis
012.26	Isolated tracheal or bronchial tuberculosis, tubercle bacilli not found by bacteriological or histological examination, but tuberculosis confirmed by other methods [inoculation of animals]	09	Diagnosis
012.3	Tuberculous laryngitis	09	Diagnosis
012.30	Tuberculous laryngitis, confirmation unspecified	09	Diagnosis
012.31	Tuberculous laryngitis, bacteriological or histological examination not done	09	Diagnosis
012.32	Tuberculous laryngitis, bacteriological or histological examination unknown (at present)	09	Diagnosis
012.33	Tuberculous laryngitis, tubercle bacilli found (in sputum) by microscopy	09	Diagnosis
012.34	Tuberculous laryngitis, tubercle bacilli not found (in sputum) by microscopy, but found by bacterial culture	09	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
012.35	Tuberculous laryngitis, tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	09	Diagnosis
012.36	Tuberculous laryngitis, tubercle bacilli not found by bacteriological or histological examination, but tuberculosis confirmed by other methods [inoculation of animals]	09	Diagnosis
012.8	Other specified respiratory tuberculosis	09	Diagnosis
012.80	Other specified respiratory tuberculosis, confirmation unspecified	09	Diagnosis
012.81	Other specified respiratory tuberculosis, bacteriological or histological examination not done	09	Diagnosis
012.82	Other specified respiratory tuberculosis, bacteriological or histological examination unknown (at present)	09	Diagnosis
012.83	Other specified respiratory tuberculosis, tubercle bacilli found (in sputum) by microscopy	09	Diagnosis
012.84	Other specified respiratory tuberculosis, tubercle bacilli not found (in sputum) by microscopy, but found by bacterial culture	09	Diagnosis
012.85	Other specified respiratory tuberculosis, tubercle bacilli not found by bacteriological examination, but tuberculosis confirmed histologically	09	Diagnosis
012.86	Other specified respiratory tuberculosis, tubercle bacilli not found by bacteriological or histological examination, but tuberculosis confirmed by other methods [inoculation of animals]	09	Diagnosis
033	Whooping cough	09	Diagnosis
033.0	Whooping cough due to Bordetella pertussis (P. pertussis)	09	Diagnosis
033.1	Whooping cough due to Bordetella parapertussis (B. parapertussis)	09	Diagnosis
033.8	Whooping cough due to other specified organism	09	Diagnosis
033.9	Whooping cough, unspecified organism	09	Diagnosis
481	Pneumococcal pneumonia (streptococcus pneumoniae pneumonia)	09	Diagnosis
482	Other bacterial pneumonia	09	Diagnosis
482.0	Pneumonia due to Klebsiella pneumoniae	09	Diagnosis
482.1	Pneumonia due to Pseudomonas	09	Diagnosis
482.2	Pneumonia due to Hemophilus influenzae (H. influenzae)	09	Diagnosis
482.3	Pneumonia due to Streptococcus	09	Diagnosis
482.30	Pneumonia due to unspecified Streptococcus	09	Diagnosis
482.31	Pneumonia due to Streptococcus, group A	09	Diagnosis
482.32	Pneumonia due to Streptococcus, group B	09	Diagnosis
482.39	Pneumonia due to other Streptococcus	09	Diagnosis
482.4	Pneumonia due to Staphylococcus	09	Diagnosis
482.40	Pneumonia due to Staphylococcus, unspecified	09	Diagnosis
482.41	Methicillin susceptible pneumonia due to Staphylococcus aureus	09	Diagnosis
482.42	Methicillin resistant pneumonia due to Staphylococcus aureus	09	Diagnosis
482.49	Other Staphylococcus pneumonia	09	Diagnosis
482.8	Pneumonia due to other specified bacteria	09	Diagnosis
482.81	Pneumonia due to anaerobes	09	Diagnosis
482.82	Pneumonia due to Escherichia coli (E. coli)	09	Diagnosis
482.83	Pneumonia due to other gram-negative bacteria	09	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
482.84	Legionnaires' disease	09	Diagnosis
482.89	Pneumonia due to other specified bacteria	09	Diagnosis
482.9	Unspecified bacterial pneumonia	09	Diagnosis
483	Pneumonia due to other specified organism	09	Diagnosis
483.0	Pneumonia due to Mycoplasma pneumoniae	09	Diagnosis
483.1	Pneumonia due to Chlamydia	09	Diagnosis
483.8	Pneumonia due to other specified organism	09	Diagnosis
484	Pneumonia in infectious diseases classified elsewhere	09	Diagnosis
484.3	Pneumonia in whooping cough	09	Diagnosis
484.5	Pneumonia in anthrax	09	Diagnosis
484.8	Pneumonia in other infectious diseases classified elsewhere	09	Diagnosis
485	Bronchopneumonia, organism unspecified	09	Diagnosis
486	Pneumonia, organism unspecified	09	Diagnosis
487	Influenza	09	Diagnosis
487.0	Influenza with pneumonia	09	Diagnosis
487.1	Influenza with other respiratory manifestations	09	Diagnosis
488	Influenza due to certain identified influenza viruses	09	Diagnosis
488.01	Influenza due to identified avian influenza virus with pneumonia	09	Diagnosis
488.11	Influenza due to identified 2009 H1N1 influenza virus with pneumonia	09	Diagnosis
488.81	Influenza due to identified novel influenza A virus with pneumonia	09	Diagnosis
491	Chronic bronchitis	09	Diagnosis
491.0	Simple chronic bronchitis	09	Diagnosis
491.1	Mucopurulent chronic bronchitis	09	Diagnosis
491.2	Obstructive chronic bronchitis	09	Diagnosis
491.20	Obstructive chronic bronchitis, without exacerbation	09	Diagnosis
491.21	Obstructive chronic bronchitis, with (acute) exacerbation	09	Diagnosis
491.22	Obstructive chronic bronchitis with acute bronchitis	09	Diagnosis
491.8	Other chronic bronchitis	09	Diagnosis
491.9	Unspecified chronic bronchitis	09	Diagnosis
492	Emphysema	09	Diagnosis
492.0	Emphysematous bleb	09	Diagnosis
492.8	Other emphysema	09	Diagnosis
494	Bronchiectasis	09	Diagnosis
494.0	Bronchiectasis without acute exacerbation	09	Diagnosis
494.1	Bronchiectasis with acute exacerbation	09	Diagnosis
510	Empyema	09	Diagnosis
510.0	Empyema with fistula	09	Diagnosis
510.9	Empyema without mention of fistula	09	Diagnosis
511	Pleurisy	09	Diagnosis
511.0	Pleurisy without mention of effusion or current tuberculosis	09	Diagnosis
511.1	Pleurisy with effusion, with mention of bacterial cause other than tuberculosis	09	Diagnosis
511.8	Other specified forms of pleural effusion, except tuberculous	09	Diagnosis
511.89	Other specified forms of effusion, except tuberculous	09	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
511.9	Unspecified pleural effusion	09	Diagnosis
513	Abscess of lung and mediastinum	09	Diagnosis
513.0	Abscess of lung	09	Diagnosis
513.1	Abscess of mediastinum	09	Diagnosis
517	Lung involvement in conditions classified elsewhere	09	Diagnosis
517.3	Acute chest syndrome	09	Diagnosis
519	Other diseases of respiratory system	09	Diagnosis
519.0	Tracheostomy complications	09	Diagnosis
519.00	Unspecified tracheostomy complication	09	Diagnosis
519.01	Infection of tracheostomy	09	Diagnosis
519.09	Other tracheostomy complications	09	Diagnosis
519.2	Mediastinitis	09	Diagnosis
647.3	Maternal tuberculosis complicating pregnancy, childbirth, or the puerperium	09	Diagnosis
647.30	Maternal tuberculosis complicating pregnancy, childbirth, or the puerperium, unspecified as to episode of care	09	Diagnosis
647.31	Maternal tuberculosis with delivery	09	Diagnosis
647.32	Maternal tuberculosis with delivery, with current postpartum complication	09	Diagnosis
647.33	Maternal tuberculosis, antepartum	09	Diagnosis
647.34	Maternal tuberculosis complicating pregnancy, childbirth, or the puerperium, postpartum condition or complication	09	Diagnosis
A15	Respiratory tuberculosis	10	Diagnosis
A15.0	Tuberculosis of lung	10	Diagnosis
A15.4	Tuberculosis of intrathoracic lymph nodes	10	Diagnosis
A15.5	Tuberculosis of larynx, trachea and bronchus	10	Diagnosis
A15.6	Tuberculous pleurisy	10	Diagnosis
A15.7	Primary respiratory tuberculosis	10	Diagnosis
A15.8	Other respiratory tuberculosis	10	Diagnosis
A15.9	Respiratory tuberculosis unspecified	10	Diagnosis
A37	Whooping cough	10	Diagnosis
A37.0	Whooping cough due to Bordetella pertussis	10	Diagnosis
A37.00	Whooping cough due to Bordetella pertussis without pneumonia	10	Diagnosis
A37.01	Whooping cough due to Bordetella pertussis with pneumonia	10	Diagnosis
A37.1	Whooping cough due to Bordetella parapertussis	10	Diagnosis
A37.10	Whooping cough due to Bordetella parapertussis without pneumonia	10	Diagnosis
A37.11	Whooping cough due to Bordetella parapertussis with pneumonia	10	Diagnosis
A37.8	Whooping cough due to other Bordetella species	10	Diagnosis
A37.80	Whooping cough due to other Bordetella species without pneumonia	10	Diagnosis
A37.81	Whooping cough due to other Bordetella species with pneumonia	10	Diagnosis
A37.9	Whooping cough, unspecified species	10	Diagnosis
A37.90	Whooping cough, unspecified species without pneumonia	10	Diagnosis
A37.91	Whooping cough, unspecified species with pneumonia	10	Diagnosis
J09	Influenza due to certain identified influenza viruses	10	Diagnosis
J09.X1	Influenza due to identified novel influenza A virus with pneumonia	10	Diagnosis



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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
J09.X2	Influenza due to identified novel influenza A virus with other respiratory manifestations	10	Diagnosis
J09.X9	Influenza due to identified novel influenza A virus with other manifestations	10	Diagnosis
J10	Influenza due to other identified influenza virus	10	Diagnosis
J10.0	Influenza due to other identified influenza virus with pneumonia	10	Diagnosis
J10.00	Influenza due to other identified influenza virus with unspecified type of pneumonia	10	Diagnosis
J10.01	Influenza due to other identified influenza virus with the same other identified influenza virus pneumonia	10	Diagnosis
J10.08	Influenza due to other identified influenza virus with other specified pneumonia	10	Diagnosis
J10.1	Influenza due to other identified influenza virus with other respiratory manifestations	10	Diagnosis
J10.83	Influenza due to other identified influenza virus with otitis media	10	Diagnosis
J11	Influenza due to unidentified influenza virus	10	Diagnosis
J11.0	Influenza due to unidentified influenza virus with pneumonia	10	Diagnosis
J11.00	Influenza due to unidentified influenza virus with unspecified type of pneumonia	10	Diagnosis
J11.08	Influenza due to unidentified influenza virus with specified pneumonia	10	Diagnosis
J11.1	Influenza due to unidentified influenza virus with other respiratory manifestations	10	Diagnosis
J11.83	Influenza due to unidentified influenza virus with otitis media	10	Diagnosis
J13	Pneumonia due to Streptococcus pneumoniae	10	Diagnosis
J14	Pneumonia due to Hemophilus influenzae	10	Diagnosis
J15	Bacterial pneumonia, not elsewhere classified	10	Diagnosis
J15.0	Pneumonia due to Klebsiella pneumoniae	10	Diagnosis
J15.1	Pneumonia due to Pseudomonas	10	Diagnosis
J15.2	Pneumonia due to staphylococcus	10	Diagnosis
J15.20	Pneumonia due to staphylococcus, unspecified	10	Diagnosis
J15.21	Pneumonia due to staphylococcus aureus	10	Diagnosis
J15.211	Pneumonia due to Methicillin susceptible Staphylococcus aureus	10	Diagnosis
J15.212	Pneumonia due to Methicillin resistant Staphylococcus aureus	10	Diagnosis
J15.29	Pneumonia due to other staphylococcus	10	Diagnosis
J15.3	Pneumonia due to streptococcus, group B	10	Diagnosis
J15.4	Pneumonia due to other streptococci	10	Diagnosis
J15.5	Pneumonia due to Escherichia coli	10	Diagnosis
J15.6	Pneumonia due to other Gram-negative bacteria	10	Diagnosis
J15.7	Pneumonia due to Mycoplasma pneumoniae	10	Diagnosis
J15.8	Pneumonia due to other specified bacteria	10	Diagnosis
J15.9	Unspecified bacterial pneumonia	10	Diagnosis
J16	Pneumonia due to other infectious organisms, not elsewhere classified	10	Diagnosis
J16.0	Chlamydial pneumonia	10	Diagnosis
J16.8	Pneumonia due to other specified infectious organisms	10	Diagnosis
J17	Pneumonia in diseases classified elsewhere	10	Diagnosis
J18	Pneumonia, unspecified organism	10	Diagnosis
J18.0	Bronchopneumonia, unspecified organism	10	Diagnosis
J18.1	Lobar pneumonia, unspecified organism	10	Diagnosis
J18.2	Hypostatic pneumonia, unspecified organism	10	Diagnosis

**Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications<sup>1</sup>**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
J18.8	Other pneumonia, unspecified organism	10	Diagnosis
J18.9	Pneumonia, unspecified organism	10	Diagnosis
J22	Unspecified acute lower respiratory infection	10	Diagnosis
J41	Simple and mucopurulent chronic bronchitis	10	Diagnosis
J41.0	Simple chronic bronchitis	10	Diagnosis
J41.1	Mucopurulent chronic bronchitis	10	Diagnosis
J41.8	Mixed simple and mucopurulent chronic bronchitis	10	Diagnosis
J42	Unspecified chronic bronchitis	10	Diagnosis
J43	Emphysema	10	Diagnosis
J43.0	Unilateral pulmonary emphysema [MacLeod's syndrome]	10	Diagnosis
J43.1	Panlobular emphysema	10	Diagnosis
J43.2	Centrilobular emphysema	10	Diagnosis
J43.8	Other emphysema	10	Diagnosis
J43.9	Emphysema, unspecified	10	Diagnosis
J44	Other chronic obstructive pulmonary disease	10	Diagnosis
J44.0	Chronic obstructive pulmonary disease with (acute) lower respiratory infection	10	Diagnosis
J44.1	Chronic obstructive pulmonary disease with (acute) exacerbation	10	Diagnosis
J44.9	Chronic obstructive pulmonary disease, unspecified	10	Diagnosis
J47	Bronchiectasis	10	Diagnosis
J47.0	Bronchiectasis with acute lower respiratory infection	10	Diagnosis
J47.1	Bronchiectasis with (acute) exacerbation	10	Diagnosis
J47.9	Bronchiectasis, uncomplicated	10	Diagnosis
J85	Abscess of lung and mediastinum	10	Diagnosis
J85.0	Gangrene and necrosis of lung	10	Diagnosis
J85.1	Abscess of lung with pneumonia	10	Diagnosis
J85.2	Abscess of lung without pneumonia	10	Diagnosis
J85.3	Abscess of mediastinum	10	Diagnosis
J86	Pyothorax	10	Diagnosis
J86.0	Pyothorax with fistula	10	Diagnosis
J86.9	Pyothorax without fistula	10	Diagnosis
J90	Pleural effusion, not elsewhere classified	10	Diagnosis
J91	Pleural effusion in conditions classified elsewhere	10	Diagnosis
J91.8	Pleural effusion in other conditions classified elsewhere	10	Diagnosis
J95	Intraoperative and postprocedural complications and disorders of respiratory system, not elsewhere classified	10	Diagnosis
J95.02	Infection of tracheostomy stoma	10	Diagnosis
J95.7	Accidental puncture and laceration of a respiratory system organ or structure during a procedure	10	Diagnosis
J95.71	Accidental puncture and laceration of a respiratory system organ or structure during a respiratory system procedure	10	Diagnosis
J95.72	Accidental puncture and laceration of a respiratory system organ or structure during other procedure	10	Diagnosis
J95.851	Ventilator associated pneumonia	10	Diagnosis

**Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications<sup>1</sup>**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
J98	Other respiratory disorders	10	Diagnosis
J98.51	Mediastinitis	10	Diagnosis
O98.0	Tuberculosis complicating pregnancy, childbirth and the puerperium	10	Diagnosis
O98.01	Tuberculosis complicating pregnancy	10	Diagnosis
O98.011	Tuberculosis complicating pregnancy, first trimester	10	Diagnosis
O98.012	Tuberculosis complicating pregnancy, second trimester	10	Diagnosis
O98.013	Tuberculosis complicating pregnancy, third trimester	10	Diagnosis
O98.019	Tuberculosis complicating pregnancy, unspecified trimester	10	Diagnosis
O98.02	Tuberculosis complicating childbirth	10	Diagnosis
O98.03	Tuberculosis complicating the puerperium	10	Diagnosis
<b>Sexually Transmitted Infections</b>			
076	Trachoma	09	Diagnosis
076.0	Initial stage trachoma	09	Diagnosis
076.1	Active stage trachoma	09	Diagnosis
076.9	Unspecified trachoma	09	Diagnosis
077	Other diseases of conjunctiva due to viruses and Chlamydiae	09	Diagnosis
077.9	Unspecified diseases of conjunctiva due to viruses and Chlamydiae	09	Diagnosis
077.98	Unspecified diseases of conjunctiva due to Chlamydiae	09	Diagnosis
078	Other diseases due to viruses and Chlamydiae	09	Diagnosis
078.2	Sweating fever	09	Diagnosis
078.3	Cat-scratch disease	09	Diagnosis
078.8	Other specified diseases due to viruses and Chlamydiae	09	Diagnosis
078.88	Other specified diseases due to Chlamydiae	09	Diagnosis
079	Viral and chlamydial infection in conditions classified elsewhere and of unspecified site	09	Diagnosis
079.88	Other specified chlamydial infection, in conditions classified elsewhere and of unspecified site	09	Diagnosis
079.9	Unspecified viral and chlamydial infections, in conditions classified elsewhere and of unspecified site	09	Diagnosis
079.98	Unspecified chlamydial infection, in conditions classified elsewhere and of unspecified site	09	Diagnosis
091	Early syphilis, symptomatic	09	Diagnosis
091.0	Genital syphilis (primary)	09	Diagnosis
091.1	Primary anal syphilis	09	Diagnosis
091.2	Other primary syphilis	09	Diagnosis
091.3	Secondary syphilis of skin or mucous membranes	09	Diagnosis
091.4	Adenopathy due to secondary syphilis	09	Diagnosis
091.5	Early syphilis, uveitis due to secondary syphilis	09	Diagnosis
091.50	Early syphilis, syphilitic uveitis, unspecified	09	Diagnosis
091.51	Early syphilis, syphilitic chorioretinitis (secondary)	09	Diagnosis
091.52	Early syphilis, syphilitic iridocyclitis (secondary)	09	Diagnosis
091.6	Early syphilis, secondary syphilis of viscera and bone	09	Diagnosis
091.61	Early syphilis, secondary syphilitic periostitis	09	Diagnosis

**Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications<sup>1</sup>**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
091.62	Early syphilis, secondary syphilitic hepatitis	09	Diagnosis
091.69	Early syphilis, secondary syphilis of other viscera	09	Diagnosis
091.7	Early syphilis, secondary syphilis, relapse	09	Diagnosis
091.8	Early syphilis, other forms of secondary syphilis	09	Diagnosis
091.81	Early syphilis, acute syphilitic meningitis (secondary)	09	Diagnosis
091.82	Early syphilis, syphilitic alopecia	09	Diagnosis
091.89	Early syphilis, other forms of secondary syphilis	09	Diagnosis
091.9	Early syphilis, unspecified secondary syphilis	09	Diagnosis
092	Early syphilis, latent	09	Diagnosis
092.0	Early syphilis, latent, serological relapse after treatment	09	Diagnosis
092.9	Early syphilis, latent, unspecified	09	Diagnosis
093	Cardiovascular syphilis	09	Diagnosis
093.0	Aneurysm of aorta, specified as syphilitic	09	Diagnosis
093.1	Syphilitic aortitis	09	Diagnosis
093.2	Syphilitic endocarditis	09	Diagnosis
093.20	Unspecified syphilitic endocarditis of valve	09	Diagnosis
093.21	Syphilitic endocarditis, mitral valve	09	Diagnosis
093.22	Syphilitic endocarditis, aortic valve	09	Diagnosis
093.23	Syphilitic endocarditis, tricuspid valve	09	Diagnosis
093.24	Syphilitic endocarditis, pulmonary valve	09	Diagnosis
093.8	Other specified cardiovascular syphilis	09	Diagnosis
093.81	Syphilitic pericarditis	09	Diagnosis
093.82	Syphilitic myocarditis	09	Diagnosis
093.89	Other specified cardiovascular syphilis	09	Diagnosis
093.9	Unspecified cardiovascular syphilis	09	Diagnosis
094	Neurosyphilis	09	Diagnosis
094.0	Tabes dorsalis	09	Diagnosis
094.1	General paresis	09	Diagnosis
094.2	Syphilitic meningitis	09	Diagnosis
094.3	Asymptomatic neurosyphilis	09	Diagnosis
094.8	Other specified neurosyphilis	09	Diagnosis
094.81	Syphilitic encephalitis	09	Diagnosis
094.82	Syphilitic Parkinsonism	09	Diagnosis
094.83	Syphilitic disseminated retinochoroiditis	09	Diagnosis
094.84	Syphilitic optic atrophy	09	Diagnosis
094.85	Syphilitic retrobulbar neuritis	09	Diagnosis
094.86	Syphilitic acoustic neuritis	09	Diagnosis
094.87	Syphilitic ruptured cerebral aneurysm	09	Diagnosis
094.89	Other specified neurosyphilis	09	Diagnosis
094.9	Unspecified neurosyphilis	09	Diagnosis
095	Other forms of late syphilis, with symptoms	09	Diagnosis
095.0	Syphilitic episcleritis	09	Diagnosis
095.1	Syphilis of lung	09	Diagnosis

**Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications<sup>1</sup>**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
095.2	Syphilitic peritonitis	09	Diagnosis
095.3	Syphilis of liver	09	Diagnosis
095.4	Syphilis of kidney	09	Diagnosis
095.5	Syphilis of bone	09	Diagnosis
095.6	Syphilis of muscle	09	Diagnosis
095.7	Syphilis of synovium, tendon, and bursa	09	Diagnosis
095.8	Other specified forms of late symptomatic syphilis	09	Diagnosis
095.9	Unspecified late symptomatic syphilis	09	Diagnosis
096	Late syphilis, latent	09	Diagnosis
097	Other and unspecified syphilis	09	Diagnosis
097.0	Unspecified late syphilis	09	Diagnosis
097.1	Unspecified latent syphilis	09	Diagnosis
097.9	Unspecified syphilis	09	Diagnosis
098	Gonococcal infections	09	Diagnosis
098.0	Gonococcal infection (acute) of lower genitourinary tract	09	Diagnosis
098.1	Gonococcal infection (acute) of upper genitourinary tract	09	Diagnosis
098.10	Gonococcal infection (acute) of upper genitourinary tract, site unspecified	09	Diagnosis
098.11	Gonococcal cystitis (acute)	09	Diagnosis
098.12	Gonococcal prostatitis (acute)	09	Diagnosis
098.13	Gonococcal epididymo-orchitis (acute)	09	Diagnosis
098.14	Gonococcal seminal vesiculitis (acute)	09	Diagnosis
098.15	Gonococcal cervicitis (acute)	09	Diagnosis
098.16	Gonococcal endometritis (acute)	09	Diagnosis
098.17	Gonococcal salpingitis, specified as acute	09	Diagnosis
098.19	Other gonococcal infections (acute) of upper genitourinary tract	09	Diagnosis
098.2	Gonococcal infections, chronic, of lower genitourinary tract	09	Diagnosis
098.3	Gonococcal infections, chronic, of upper genitourinary tract	09	Diagnosis
098.30	Chronic gonococcal infection of upper genitourinary tract, site unspecified	09	Diagnosis
098.31	Gonococcal cystitis, chronic	09	Diagnosis
098.32	Gonococcal prostatitis, chronic	09	Diagnosis
098.33	Gonococcal epididymo-orchitis, chronic	09	Diagnosis
098.34	Gonococcal seminal vesiculitis, chronic	09	Diagnosis
098.35	Gonococcal cervicitis, chronic	09	Diagnosis
098.36	Gonococcal endometritis, chronic	09	Diagnosis
098.37	Gonococcal salpingitis (chronic)	09	Diagnosis
098.39	Other chronic gonococcal infections of upper genitourinary tract	09	Diagnosis
098.4	Gonococcal infection of eye	09	Diagnosis
098.40	Gonococcal conjunctivitis (neonatorum)	09	Diagnosis
098.41	Gonococcal iridocyclitis	09	Diagnosis
098.42	Gonococcal endophthalmitis	09	Diagnosis
098.43	Gonococcal keratitis	09	Diagnosis
098.49	Other gonococcal infection of eye	09	Diagnosis
098.5	Gonococcal infection of joint	09	Diagnosis

**Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications<sup>1</sup>**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
098.50	Gonococcal arthritis	09	Diagnosis
098.51	Gonococcal synovitis and tenosynovitis	09	Diagnosis
098.52	Gonococcal bursitis	09	Diagnosis
098.53	Gonococcal spondylitis	09	Diagnosis
098.59	Other gonococcal infection of joint	09	Diagnosis
098.6	Gonococcal infection of pharynx	09	Diagnosis
098.7	Gonococcal infection of anus and rectum	09	Diagnosis
098.8	Gonococcal infection of other specified sites	09	Diagnosis
098.81	Gonococcal keratitis (blennorrhagica)	09	Diagnosis
098.82	Gonococcal meningitis	09	Diagnosis
098.83	Gonococcal pericarditis	09	Diagnosis
098.84	Gonococcal endocarditis	09	Diagnosis
098.85	Other gonococcal heart disease	09	Diagnosis
098.86	Gonococcal peritonitis	09	Diagnosis
098.89	Gonococcal infection of other specified sites	09	Diagnosis
099	Other venereal diseases	09	Diagnosis
099.0	Chancroid	09	Diagnosis
099.1	Lymphogranuloma venereum	09	Diagnosis
099.2	Granuloma inguinale	09	Diagnosis
099.3	Reiter's disease	09	Diagnosis
099.4	Other nongonococcal urethritis (NGU)	09	Diagnosis
099.40	Unspecified nongonococcal urethritis (NGU)	09	Diagnosis
099.41	Nongonococcal urethritis (NGU) due to Chlamydia trachomatis	09	Diagnosis
099.49	Nongonococcal urethritis (NGU) due to other specified organism	09	Diagnosis
099.5	Other venereal diseases due to Chlamydia trachomatis	09	Diagnosis
099.50	Chlamydia trachomatis infection of unspecified site	09	Diagnosis
099.51	Chlamydia trachomatis infection of pharynx	09	Diagnosis
099.52	Chlamydia trachomatis infection of anus and rectum	09	Diagnosis
099.53	Chlamydia trachomatis infection of lower genitourinary sites	09	Diagnosis
099.54	Chlamydia trachomatis infection of other genitourinary sites	09	Diagnosis
099.55	Chlamydia trachomatis infection of unspecified genitourinary site	09	Diagnosis
099.56	Chlamydia trachomatis infection of peritoneum	09	Diagnosis
099.59	Chlamydia trachomatis infection of other specified site	09	Diagnosis
099.8	Other specified venereal diseases	09	Diagnosis
099.9	Unspecified venereal disease	09	Diagnosis
647.0	Maternal syphilis complicating pregnancy, childbirth, or the puerperium	09	Diagnosis
647.00	Maternal syphilis, complicating pregnancy, childbirth, or the puerperium, unspecified as to episode of care	09	Diagnosis
647.01	Maternal syphilis, complicating pregnancy, with delivery	09	Diagnosis
647.02	Maternal syphilis, complicating pregnancy, with delivery, with current postpartum complication	09	Diagnosis
647.03	Maternal syphilis, antepartum	09	Diagnosis

**Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications<sup>1</sup>**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
647.04	Maternal syphilis complicating pregnancy, childbirth, or the puerperium, postpartum condition or complication	09	Diagnosis
647.1	Maternal gonorrhea complicating pregnancy, childbirth, or the puerperium	09	Diagnosis
647.10	Maternal gonorrhea complicating pregnancy, childbirth, or the puerperium, unspecified as to episode of care	09	Diagnosis
647.11	Maternal gonorrhea with delivery	09	Diagnosis
647.12	Maternal gonorrhea, with delivery, with current postpartum complication	09	Diagnosis
647.13	Maternal gonorrhea, antepartum	09	Diagnosis
647.14	Maternal gonorrhea complicating pregnancy, childbirth, or the puerperium, postpartum condition or complication	09	Diagnosis
647.2	Other maternal venereal diseases complicating pregnancy, childbirth, or the puerperium	09	Diagnosis
647.20	Other maternal venereal diseases, complicating pregnancy, childbirth, or the puerperium, unspecified as to episode of care	09	Diagnosis
647.21	Other maternal venereal diseases with delivery	09	Diagnosis
647.22	Other maternal venereal diseases with delivery, with current postpartum complication	09	Diagnosis
647.23	Other maternal venereal diseases, antepartum condition or complication	09	Diagnosis
647.24	Other venereal diseases complicating pregnancy, childbirth, or the puerperium, postpartum condition or complication	09	Diagnosis
A51	Early syphilis	10	Diagnosis
A51.0	Primary genital syphilis	10	Diagnosis
A51.1	Primary anal syphilis	10	Diagnosis
A51.2	Primary syphilis of other sites	10	Diagnosis
A51.3	Secondary syphilis of skin and mucous membranes	10	Diagnosis
A51.31	Condyloma latum	10	Diagnosis
A51.32	Syphilitic alopecia	10	Diagnosis
A51.39	Other secondary syphilis of skin	10	Diagnosis
A51.4	Other secondary syphilis	10	Diagnosis
A51.41	Secondary syphilitic meningitis	10	Diagnosis
A51.42	Secondary syphilitic female pelvic disease	10	Diagnosis
A51.43	Secondary syphilitic oculopathy	10	Diagnosis
A51.44	Secondary syphilitic nephritis	10	Diagnosis
A51.45	Secondary syphilitic hepatitis	10	Diagnosis
A51.46	Secondary syphilitic osteopathy	10	Diagnosis
A51.49	Other secondary syphilitic conditions	10	Diagnosis
A51.5	Early syphilis, latent	10	Diagnosis
A51.9	Early syphilis, unspecified	10	Diagnosis
A52	Late syphilis	10	Diagnosis
A52.0	Cardiovascular and cerebrovascular syphilis	10	Diagnosis
A52.01	Cardiovascular syphilis, unspecified	10	Diagnosis
A52.01	Syphilitic aneurysm of aorta	10	Diagnosis
A52.02	Syphilitic aortitis	10	Diagnosis
A52.03	Syphilitic endocarditis	10	Diagnosis



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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
A52.04	Syphilitic cerebral arteritis	10	Diagnosis
A52.05	Other cerebrovascular syphilis	10	Diagnosis
A52.06	Other syphilitic heart involvement	10	Diagnosis
A52.09	Other cardiovascular syphilis	10	Diagnosis
A52.1	Symptomatic neurosyphilis	10	Diagnosis
A52.10	Symptomatic neurosyphilis, unspecified	10	Diagnosis
A52.11	Tabes dorsalis	10	Diagnosis
A52.12	Other cerebrospinal syphilis	10	Diagnosis
A52.13	Late syphilitic meningitis	10	Diagnosis
A52.14	Late syphilitic encephalitis	10	Diagnosis
A52.15	Late syphilitic neuropathy	10	Diagnosis
A52.16	Charcot's arthropathy (tabetic)	10	Diagnosis
A52.17	General paresis	10	Diagnosis
A52.19	Other symptomatic neurosyphilis	10	Diagnosis
A52.2	Asymptomatic neurosyphilis	10	Diagnosis
A52.3	Neurosyphilis, unspecified	10	Diagnosis
A52.7	Other symptomatic late syphilis	10	Diagnosis
A52.71	Late syphilitic ophthalmopathy	10	Diagnosis
A52.72	Syphilis of lung and bronchus	10	Diagnosis
A52.73	Symptomatic late syphilis of other respiratory organs	10	Diagnosis
A52.74	Syphilis of liver and other viscera	10	Diagnosis
A52.75	Syphilis of kidney and ureter	10	Diagnosis
A52.76	Other genitourinary symptomatic late syphilis	10	Diagnosis
A52.77	Syphilis of bone and joint	10	Diagnosis
A52.78	Syphilis of other musculoskeletal tissue	10	Diagnosis
A52.79	Other symptomatic late syphilis	10	Diagnosis
A52.8	Late syphilis, latent	10	Diagnosis
A52.9	Late syphilis, unspecified	10	Diagnosis
A53	Other and unspecified syphilis	10	Diagnosis
A53.0	Latent syphilis, unspecified as early or late	10	Diagnosis
A53.9	Syphilis, unspecified	10	Diagnosis
A54	Gonococcal infection	10	Diagnosis
A54.0	Gonococcal infection of lower genitourinary tract without periurethral or accessory gland abscess	10	Diagnosis
A54.00	Gonococcal infection of lower genitourinary tract, unspecified	10	Diagnosis
A54.01	Gonococcal cystitis and urethritis, unspecified	10	Diagnosis
A54.02	Gonococcal vulvovaginitis, unspecified	10	Diagnosis
A54.03	Gonococcal cervicitis, unspecified	10	Diagnosis
A54.09	Other gonococcal infection of lower genitourinary tract	10	Diagnosis
A54.1	Gonococcal infection of lower genitourinary tract with periurethral and accessory gland abscess	10	Diagnosis
A54.2	Gonococcal pelviperitonitis and other gonococcal genitourinary infection	10	Diagnosis
A54.21	Gonococcal infection of kidney and ureter	10	Diagnosis

**Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications<sup>1</sup>**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
A54.22	Gonococcal prostatitis	10	Diagnosis
A54.23	Gonococcal infection of other male genital organs	10	Diagnosis
A54.24	Gonococcal female pelvic inflammatory disease	10	Diagnosis
A54.29	Other gonococcal genitourinary infections	10	Diagnosis
A54.3	Gonococcal infection of eye	10	Diagnosis
A54.30	Gonococcal infection of eye, unspecified	10	Diagnosis
A54.31	Gonococcal conjunctivitis	10	Diagnosis
A54.32	Gonococcal iridocyclitis	10	Diagnosis
A54.33	Gonococcal keratitis	10	Diagnosis
A54.39	Other gonococcal eye infection	10	Diagnosis
A54.4	Gonococcal infection of musculoskeletal system	10	Diagnosis
A54.40	Gonococcal infection of musculoskeletal system, unspecified	10	Diagnosis
A54.41	Gonococcal spondylopathy	10	Diagnosis
A54.42	Gonococcal arthritis	10	Diagnosis
A54.43	Gonococcal osteomyelitis	10	Diagnosis
A54.49	Gonococcal infection of other musculoskeletal tissue	10	Diagnosis
A54.5	Gonococcal pharyngitis	10	Diagnosis
A54.6	Gonococcal infection of anus and rectum	10	Diagnosis
A54.8	Other gonococcal infections	10	Diagnosis
A54.81	Gonococcal meningitis	10	Diagnosis
A54.82	Gonococcal brain abscess	10	Diagnosis
A54.83	Gonococcal heart infection	10	Diagnosis
A54.84	Gonococcal pneumonia	10	Diagnosis
A54.85	Gonococcal peritonitis	10	Diagnosis
A54.86	Gonococcal sepsis	10	Diagnosis
A54.89	Other gonococcal infections	10	Diagnosis
A54.9	Gonococcal infection, unspecified	10	Diagnosis
A55	Chlamydial lymphogranuloma (venereum)	10	Diagnosis
A56	Other sexually transmitted chlamydial diseases	10	Diagnosis
A56.0	Chlamydial infection of lower genitourinary tract	10	Diagnosis
A56.00	Chlamydial infection of lower genitourinary tract, unspecified	10	Diagnosis
A56.01	Chlamydial cystitis and urethritis	10	Diagnosis
A56.02	Chlamydial vulvovaginitis	10	Diagnosis
A56.09	Other chlamydial infection of lower genitourinary tract	10	Diagnosis
A56.1	Chlamydial infection of pelviperitoneum and other genitourinary organs	10	Diagnosis
A56.11	Chlamydial female pelvic inflammatory disease	10	Diagnosis
A56.19	Other chlamydial genitourinary infection	10	Diagnosis
A56.2	Chlamydial infection of genitourinary tract, unspecified	10	Diagnosis
A56.3	Chlamydial infection of anus and rectum	10	Diagnosis
A56.4	Chlamydial infection of pharynx	10	Diagnosis
A56.8	Sexually transmitted chlamydial infection of other sites	10	Diagnosis
A57	Chancroid	10	Diagnosis
A58	Granuloma inguinale	10	Diagnosis

**Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications<sup>1</sup>**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
A59	Trichomoniasis	10	Diagnosis
A59.0	Urogenital trichomoniasis	10	Diagnosis
A59.00	Urogenital trichomoniasis, unspecified	10	Diagnosis
A59.01	Trichomonal vulvovaginitis	10	Diagnosis
A59.02	Trichomonal prostatitis	10	Diagnosis
A59.03	Trichomonal cystitis and urethritis	10	Diagnosis
A59.09	Other urogenital trichomoniasis	10	Diagnosis
A59.8	Trichomoniasis of other sites	10	Diagnosis
A59.9	Trichomoniasis, unspecified	10	Diagnosis
A63	Other predominantly sexually transmitted diseases, not elsewhere classified	10	Diagnosis
A63.8	Other specified predominantly sexually transmitted diseases	10	Diagnosis
A64	Unspecified sexually transmitted disease	10	Diagnosis
A70	Chlamydia psittaci infections	10	Diagnosis
A71	Trachoma	10	Diagnosis
A71.0	Initial stage of trachoma	10	Diagnosis
A71.1	Active stage of trachoma	10	Diagnosis
A71.9	Trachoma, unspecified	10	Diagnosis
A74	Other diseases caused by chlamydiae	10	Diagnosis
A74.0	Chlamydial conjunctivitis	10	Diagnosis
A74.8	Other chlamydial diseases	10	Diagnosis
A74.81	Chlamydial peritonitis	10	Diagnosis
A74.89	Other chlamydial diseases	10	Diagnosis
A74.9	Chlamydial infection, unspecified	10	Diagnosis
O98.1	Syphilis complicating pregnancy, childbirth and the puerperium	10	Diagnosis
O98.11	Syphilis complicating pregnancy	10	Diagnosis
O98.111	Syphilis complicating pregnancy, first trimester	10	Diagnosis
O98.112	Syphilis complicating pregnancy, second trimester	10	Diagnosis
O98.113	Syphilis complicating pregnancy, third trimester	10	Diagnosis
O98.119	Syphilis complicating pregnancy, unspecified trimester	10	Diagnosis
O98.12	Syphilis complicating childbirth	10	Diagnosis
O98.13	Syphilis complicating the puerperium	10	Diagnosis
O98.2	Gonorrhea complicating pregnancy, childbirth and the puerperium	10	Diagnosis
O98.21	Gonorrhea complicating pregnancy	10	Diagnosis
O98.211	Gonorrhea complicating pregnancy, first trimester	10	Diagnosis
O98.212	Gonorrhea complicating pregnancy, second trimester	10	Diagnosis
O98.213	Gonorrhea complicating pregnancy, third trimester	10	Diagnosis
O98.219	Gonorrhea complicating pregnancy, unspecified trimester	10	Diagnosis
O98.22	Gonorrhea complicating childbirth	10	Diagnosis
O98.23	Gonorrhea complicating the puerperium	10	Diagnosis
O98.3	Other infections with a predominantly sexual mode of transmission complicating pregnancy, childbirth and the puerperium	10	Diagnosis
O98.31	Other infections with a predominantly sexual mode of transmission complicating pregnancy	10	Diagnosis

**Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications<sup>1</sup>**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
098.311	Other infections with a predominantly sexual mode of transmission complicating pregnancy, first trimester	10	Diagnosis
098.312	Other infections with a predominantly sexual mode of transmission complicating pregnancy, second trimester	10	Diagnosis
098.313	Other infections with a predominantly sexual mode of transmission complicating pregnancy, third trimester	10	Diagnosis
098.319	Other infections with a predominantly sexual mode of transmission complicating pregnancy, unspecified trimester	10	Diagnosis
098.32	Other infections with a predominantly sexual mode of transmission complicating childbirth	10	Diagnosis
098.33	Other infections with a predominantly sexual mode of transmission complicating the	10	Diagnosis
<b>Urinary Tract and Kidney Infections</b>			
590.0	Chronic pyelonephritis	09	Diagnosis
590.1	Acute pyelonephritis	09	Diagnosis
590.8	Other pyelonephritis or pyonephrosis, not specified as acute or chronic	09	Diagnosis
595.0	Acute cystitis	09	Diagnosis
595.9	Unspecified cystitis	09	Diagnosis
599.0	Urinary tract infection, site not specified	09	Diagnosis
590.00	Chronic pyelonephritis without lesion of renal medullary necrosis	09	Diagnosis
590.01	Chronic pyelonephritis with lesion of renal medullary necrosis	09	Diagnosis
590.10	Acute pyelonephritis without lesion of renal medullary necrosis	09	Diagnosis
590.11	Acute pyelonephritis with lesion of renal medullary necrosis	09	Diagnosis
590.80	Unspecified pyelonephritis	09	Diagnosis
590.81	Pyelitis or pyelonephritis in diseases classified elsewhere	09	Diagnosis
646.60	Infections of genitourinary tract in pregnancy, unspecified as to episode of care	09	Diagnosis
646.61	Infections of genitourinary tract in pregnancy, with delivery	09	Diagnosis
646.62	Infections of genitourinary tract in pregnancy, with delivery, with current postpartum complication	09	Diagnosis
646.63	Infections of genitourinary tract antepartum	09	Diagnosis
646.64	Infections of genitourinary tract in pregnancy, postpartum condition or complication	09	Diagnosis
N10	Acute pyelonephritis	10	Diagnosis
N11.0	Nonobstructive reflux-associated chronic pyelonephritis	10	Diagnosis
N11.1	Chronic obstructive pyelonephritis	10	Diagnosis
N30.0	Acute cystitis	10	Diagnosis
N30.00	Acute cystitis without hematuria	10	Diagnosis
N30.01	Acute cystitis with hematuria	10	Diagnosis
N30.8	Other cystitis	10	Diagnosis
N30.80	Other cystitis without hematuria	10	Diagnosis
N30.81	Other cystitis with hematuria	10	Diagnosis
N30.9	Cystitis, unspecified	10	Diagnosis
N30.90	Cystitis, unspecified without hematuria	10	Diagnosis
N30.91	Cystitis, unspecified with hematuria	10	Diagnosis
N39.0	Urinary tract infection, site not specified	10	Diagnosis

**Appendix E. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes to Identify Exposure Indications<sup>1</sup>**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
O23.00	Infections of kidney in pregnancy, unspecified trimester	10	Diagnosis
O23.01	Infections of kidney in pregnancy, first trimester	10	Diagnosis
O23.02	Infections of kidney in pregnancy, second trimester	10	Diagnosis
O23.03	Infections of kidney in pregnancy, third trimester	10	Diagnosis
O23.1	Infections of bladder in pregnancy	10	Diagnosis
O23.10	Infections of bladder in pregnancy, unspecified trimester	10	Diagnosis
O23.11	Infections of bladder in pregnancy, first trimester	10	Diagnosis
O23.12	Infections of bladder in pregnancy, second trimester	10	Diagnosis
O23.13	Infections of bladder in pregnancy, third trimester	10	Diagnosis
O23.2	Infections of urethra in pregnancy	10	Diagnosis
O23.20	Infections of urethra in pregnancy, unspecified trimester	10	Diagnosis
O23.21	Infections of urethra in pregnancy, first trimester	10	Diagnosis
O23.22	Infections of urethra in pregnancy, second trimester	10	Diagnosis
O23.23	Infections of urethra in pregnancy, third trimester	10	Diagnosis
O23.3	Infections of other parts of urinary tract in pregnancy	10	Diagnosis
O23.30	Infections of other parts of urinary tract in pregnancy, unspecified trimester	10	Diagnosis
O23.31	Infections of other parts of urinary tract in pregnancy, first trimester	10	Diagnosis
O23.32	Infections of other parts of urinary tract in pregnancy, second trimester	10	Diagnosis
O23.33	Infections of other parts of urinary tract in pregnancy, third trimester	10	Diagnosis
O23.4	Unspecified infection of urinary tract in pregnancy	10	Diagnosis
O23.40	Unspecified infection of urinary tract in pregnancy, unspecified trimester	10	Diagnosis
O23.41	Unspecified infection of urinary tract in pregnancy, first trimester	10	Diagnosis
O23.42	Unspecified infection of urinary tract in pregnancy, second trimester	10	Diagnosis
O23.43	Unspecified infection of urinary tract in pregnancy, third trimester	10	Diagnosis

<sup>1</sup>Lists of relevant conditions were limited to codes indicated as sometimes or always requiring antibiotic treatment in Chua, et al. Appropriateness of outpatient antibiotic prescribing among privately insured US patients: ICD-10-CM based cross sectional study. BMJ, 2019

**Appendix F. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Ninth Revision, Procedure Coding System (ICD-9-PCS), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes to Identify Screening**

Code	Description	Code Type	Code Category
<b>Vaccine Administration</b>			
G0008	Administration of influenza virus vaccine	HCPCS	Procedure
G0009	Administration of pneumococcal vaccine	HCPCS	Procedure
G0010	Administration of hepatitis B vaccine	HCPCS	Procedure
<b>Screening Examinations and Disease Management Training</b>			
G0104	Colorectal cancer screening; flexible sigmoidoscopy	HCPCS	Procedure
G0105	Colorectal cancer screening; colonoscopy on individual at high risk	HCPCS	Procedure
G0106	Colorectal cancer screening; alternative to G0104, screening sigmoidoscopy, barium enema	HCPCS	Procedure
G0107	Colorectal cancer screening; fecal-occult blood test, 1-3 simultaneous determinations	HCPCS	Procedure
G0108	Diabetes outpatient self-management training services, individual, per 30 minutes	HCPCS	Procedure
G0109	Diabetes outpatient self-management training services, group session (two or more), per 30 minutes	HCPCS	Procedure
G0110	NETT pulmonary rehabilitation; education/skills training, individual	HCPCS	Procedure
G0111	NETT pulmonary rehabilitation; education/skills, group	HCPCS	Procedure
G0112	NETT pulmonary rehabilitation; nutritional guidance, initial	HCPCS	Procedure
G0113	NETT pulmonary rehabilitation; nutritional guidance, subsequent	HCPCS	Procedure
G0114	NETT pulmonary rehabilitation; psychosocial consultation	HCPCS	Procedure
G0115	NETT pulmonary rehabilitation; psychological testing	HCPCS	Procedure
G0116	NETT pulmonary rehabilitation; psychosocial counselling	HCPCS	Procedure
G0117	Glaucoma screening for high risk patients furnished by an optometrist or ophthalmologist	HCPCS	Procedure
G0118	Glaucoma screening for high risk patient furnished under the direct supervision of an optometrist or ophthalmologist	HCPCS	Procedure
G0120	Colorectal cancer screening; alternative to G0105, screening colonoscopy, barium enema	HCPCS	Procedure
G0121	Colorectal cancer screening; colonoscopy on individual not meeting criteria for high risk	HCPCS	Procedure
G0122	Colorectal cancer screening; barium enema	HCPCS	Procedure
<b>Pap Smear</b>			
V72.32	Encounter for Papanicolaou cervical smear to confirm findings of recent normal smear following initial abnormal smear	09	Diagnosis
V76.2	Screening for malignant neoplasm of the cervix	09	Diagnosis
Z01.42	Encounter for cervical smear to confirm findings of recent normal smear following initial abnormal smear	10	Diagnosis
Z12.4	Encounter for screening for malignant neoplasm of cervix	10	Diagnosis
G0101	Cervical or vaginal cancer screening; pelvic and clinical breast examination	HCPCS	Procedure
G0123	Screening cytopathology, cervical or vaginal (any reporting system), collected in preservative fluid, automated thin layer preparation, screening by cytotechnologist under physician supervision	HCPCS	Procedure

**Appendix F. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Ninth Revision, Procedure Coding System (ICD-9-PCS), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes to Identify Screening**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
G0124	Screening cytopathology, cervical or vaginal (any reporting system), collected in preservative fluid, automated thin layer preparation, requiring interpretation by physician	HCPCS	Procedure
G0141	Screening cytopathology smears, cervical or vaginal, performed by automated system, with manual rescreening, requiring interpretation by physician	HCPCS	Procedure
G0143	Screening cytopathology, cervical or vaginal (any reporting system), collected in preservative fluid, automated thin layer preparation, with manual screening and rescreening by cytotechnologist under physician supervision	HCPCS	Procedure
G0144	Screening cytopathology, cervical or vaginal (any reporting system), collected in preservative fluid, automated thin layer preparation, with screening by automated system, under physician supervision	HCPCS	Procedure
G0145	Screening cytopathology, cervical or vaginal (any reporting system), collected in preservative fluid, automated thin layer preparation, with screening by automated system and manual rescreening under physician supervision	HCPCS	Procedure
P3000	Screening Papanicolaou smear, cervical or vaginal, up to three smears, by technician under physician supervision	HCPCS	Procedure
P3001	Screening Papanicolaou smear, cervical or vaginal, up to three smears, requiring interpretation by physician	HCPCS	Procedure
Q0091	Screening Papanicolaou smear; obtaining, preparing and conveyance of cervical or vaginal smear to laboratory	HCPCS	Procedure
88141	Cytopathology, cervical or vaginal (any reporting system), requiring interpretation by physician	CPT-4	Procedure
88142	Cytopathology, cervical or vaginal (any reporting system), collected in preservative fluid, automated thin layer preparation; manual screening under physician supervision	CPT-4	Procedure
88143	Cytopathology, cervical or vaginal (any reporting system), collected in preservative fluid, automated thin layer preparation; with manual screening and rescreening under physician supervision	CPT-4	Procedure
88144	Cytopathology, cervical or vaginal (any reporting system), collected in preservative fluid, automated thin layer preparation; with manual screening and computer-assisted rescreening under physician supervision	CPT-4	Procedure
88145	Cytopathology, cervical or vaginal (any reporting system), collected in preservative fluid, automated thin layer preparation; with manual screening and computer-assisted rescreening using cell selection and review under physician supervision	CPT-4	Procedure
88147	Cytopathology smears, cervical or vaginal; screening by automated system under physician supervision	CPT-4	Procedure
88148	Cytopathology smears, cervical or vaginal; screening by automated system with manual rescreening under physician supervision	CPT-4	Procedure
88150	Cytopathology, slides, cervical or vaginal; manual screening under physician supervision	CPT-4	Procedure
88151	CYTOPATH SMEARS CERV/VAG 1-3; REQ PHYS INTERPT	CPT-4	Procedure



**Appendix F. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Ninth Revision, Procedure Coding System (ICD-9-PCS), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Diagnosis and Procedure Codes to Identify Screening**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
88152	Cytopathology, slides, cervical or vaginal; with manual screening and computer-assisted rescreening under physician supervision	CPT-4	Procedure
88153	Cytopathology, slides, cervical or vaginal; with manual screening and rescreening under physician supervision	CPT-4	Procedure
88154	Cytopathology, slides, cervical or vaginal; with manual screening and computer-assisted rescreening using cell selection and review under physician supervision	CPT-4	Procedure
88155	Cytopathology, slides, cervical or vaginal, definitive hormonal evaluation (eg, maturation index, karyopyknotic index, estrogenic index) (List separately in addition to code[s] for other technical and interpretation services)	CPT-4	Procedure
88164	Cytopathology, slides, cervical or vaginal (the Bethesda System); manual screening under physician supervision	CPT-4	Procedure
88165	Cytopathology, slides, cervical or vaginal (the Bethesda System); with manual screening and rescreening under physician supervision	CPT-4	Procedure
88166	Cytopathology, slides, cervical or vaginal (the Bethesda System); with manual screening and computer-assisted rescreening under physician supervision	CPT-4	Procedure
88167	Cytopathology, slides, cervical or vaginal (the Bethesda System); with manual screening and computer-assisted rescreening using cell selection and review under physician supervision	CPT-4	Procedure
88174	Cytopathology, cervical or vaginal (any reporting system), collected in preservative fluid, automated thin layer preparation; screening by automated system, under physician supervision	CPT-4	Procedure
88175	Cytopathology, cervical or vaginal (any reporting system), collected in preservative fluid, automated thin layer preparation; with screening by automated system and manual rescreening or review, under physician supervision	CPT-4	Procedure
91.46	Cell block and Papanicolaou smear of specimen from female genital tract	09	Procedure
<b>HPV DNA Test</b>			
87621	Infectious agent detection by nucleic acid (DNA or RNA); papillomavirus, human, amplified probe technique	HCPCS	Procedure
<b>Fecal Occult Blood Test</b>			
82270	Blood, occult, by peroxidase activity (eg, guaiac), qualitative; feces, consecutive collected specimens with single determination, for colorectal neoplasm screening (ie, patient was provided 3 cards or single triple card for consecutive collection)	CPT-4	Procedure
82272	Blood, occult, by peroxidase activity (eg, guaiac), qualitative, feces, 1-3 simultaneous determinations, performed for other than colorectal neoplasm screening	CPT-4	Procedure
82273	Blood, occult, by peroxidase activity (eg, guaiac), qualitative; other sources	CPT-4	Procedure
82274	Blood, occult, by fecal hemoglobin determination by immunoassay, qualitative, feces, 1-3 simultaneous determinations	CPT-4	Procedure

**Appendix G. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Included in the Outcome Tree**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
Q00	Anencephaly and similar malformations	10	Diagnosis
Q00.0	Anencephaly	10	Diagnosis
Q00.1	Craniorachischisis	10	Diagnosis
Q00.2	Iniencephaly	10	Diagnosis
Q01	Encephalocele	10	Diagnosis
Q01.0	Frontal encephalocele	10	Diagnosis
Q01.1	Nasofrontal encephalocele	10	Diagnosis
Q01.2	Occipital encephalocele	10	Diagnosis
Q01.8	Encephalocele of other sites	10	Diagnosis
Q01.9	Encephalocele, unspecified	10	Diagnosis
Q02	Microcephaly	10	Diagnosis
Q03	Congenital hydrocephalus	10	Diagnosis
Q03.0	Malformations of aqueduct of Sylvius	10	Diagnosis
Q03.1	Atresia of foramina of Magendie and Luschka	10	Diagnosis
Q03.8	Other congenital hydrocephalus	10	Diagnosis
Q03.9	Congenital hydrocephalus, unspecified	10	Diagnosis
Q04	Other congenital malformations of brain	10	Diagnosis
Q04.0	Congenital malformations of corpus callosum	10	Diagnosis
Q04.1	Arhinencephaly	10	Diagnosis
Q04.2	Holoprosencephaly	10	Diagnosis
Q04.3	Other reduction deformities of brain	10	Diagnosis
Q04.4	Septo-optic dysplasia of brain	10	Diagnosis
Q04.5	Megalencephaly	10	Diagnosis
Q04.6	Congenital cerebral cysts	10	Diagnosis
Q04.8	Other specified congenital malformations of brain	10	Diagnosis
Q04.9	Congenital malformation of brain, unspecified	10	Diagnosis
Q05	Spina bifida	10	Diagnosis
Q05.0	Cervical spina bifida with hydrocephalus	10	Diagnosis
Q05.1	Thoracic spina bifida with hydrocephalus	10	Diagnosis
Q05.2	Lumbar spina bifida with hydrocephalus	10	Diagnosis
Q05.3	Sacral spina bifida with hydrocephalus	10	Diagnosis
Q05.4	Unspecified spina bifida with hydrocephalus	10	Diagnosis
Q05.5	Cervical spina bifida without hydrocephalus	10	Diagnosis
Q05.6	Thoracic spina bifida without hydrocephalus	10	Diagnosis
Q05.7	Lumbar spina bifida without hydrocephalus	10	Diagnosis
Q05.8	Sacral spina bifida without hydrocephalus	10	Diagnosis
Q05.9	Spina bifida, unspecified	10	Diagnosis
Q06	Other congenital malformations of spinal cord	10	Diagnosis
Q06.0	Amyelia	10	Diagnosis
Q06.1	Hypoplasia and dysplasia of spinal cord	10	Diagnosis
Q06.2	Diastematomyelia	10	Diagnosis
Q06.3	Other congenital cauda equina malformations	10	Diagnosis
Q06.4	Hydromyelia	10	Diagnosis

**Appendix G. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Included in the Outcome Tree**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
Q06.8	Other specified congenital malformations of spinal cord	10	Diagnosis
Q06.9	Congenital malformation of spinal cord, unspecified	10	Diagnosis
Q07	Other congenital malformations of nervous system	10	Diagnosis
Q07.0	Arnold-Chiari syndrome	10	Diagnosis
Q07.00	Arnold-Chiari syndrome without spina bifida or hydrocephalus	10	Diagnosis
Q07.01	Arnold-Chiari syndrome with spina bifida	10	Diagnosis
Q07.02	Arnold-Chiari syndrome with hydrocephalus	10	Diagnosis
Q07.03	Arnold-Chiari syndrome with spina bifida and hydrocephalus	10	Diagnosis
Q07.8	Other specified congenital malformations of nervous system	10	Diagnosis
Q07.9	Congenital malformation of nervous system, unspecified	10	Diagnosis
Q10	Congenital malformations of eyelid, lacrimal apparatus and orbit	10	Diagnosis
Q10.0	Congenital ptosis	10	Diagnosis
Q10.4	Absence and agenesis of lacrimal apparatus	10	Diagnosis
Q10.6	Other congenital malformations of lacrimal apparatus	10	Diagnosis
Q10.7	Congenital malformation of orbit	10	Diagnosis
Q11	Anophthalmos, microphthalmos and macrophthalmos	10	Diagnosis
Q11.0	Cystic eyeball	10	Diagnosis
Q11.1	Other anophthalmos	10	Diagnosis
Q11.2	Microphthalmos	10	Diagnosis
Q11.3	Macrophthalmos	10	Diagnosis
Q12	Congenital lens malformations	10	Diagnosis
Q12.0	Congenital cataract	10	Diagnosis
Q12.1	Congenital displaced lens	10	Diagnosis
Q12.2	Coloboma of lens	10	Diagnosis
Q12.3	Congenital aphakia	10	Diagnosis
Q12.4	Spherophakia	10	Diagnosis
Q12.8	Other congenital lens malformations	10	Diagnosis
Q12.9	Congenital lens malformation, unspecified	10	Diagnosis
Q13	Congenital malformations of anterior segment of eye	10	Diagnosis
Q13.1	Absence of iris	10	Diagnosis
Q13.3	Congenital corneal opacity	10	Diagnosis
Q13.4	Other congenital corneal malformations	10	Diagnosis
Q13.8	Other congenital malformations of anterior segment of eye	10	Diagnosis
Q13.81	Rieger's anomaly	10	Diagnosis
Q13.89	Other congenital malformations of anterior segment of eye	10	Diagnosis
Q13.9	Congenital malformation of anterior segment of eye, unspecified	10	Diagnosis
Q14	Congenital malformations of posterior segment of eye	10	Diagnosis
Q14.0	Congenital malformation of vitreous humor	10	Diagnosis
Q14.1	Congenital malformation of retina	10	Diagnosis
Q14.2	Congenital malformation of optic disc	10	Diagnosis
Q14.3	Congenital malformation of choroid	10	Diagnosis
Q14.8	Other congenital malformations of posterior segment of eye	10	Diagnosis
Q14.9	Congenital malformation of posterior segment of eye, unspecified	10	Diagnosis

**Appendix G. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Included in the Outcome Tree**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
Q15	Other congenital malformations of eye	10	Diagnosis
Q15.0	Congenital glaucoma	10	Diagnosis
Q15.9	Congenital malformation of eye, unspecified	10	Diagnosis
Q16	Congenital malformations of ear causing impairment of hearing	10	Diagnosis
Q16.0	Congenital absence of (ear) auricle	10	Diagnosis
Q16.1	Congenital absence, atresia and stricture of auditory canal (external)	10	Diagnosis
Q16.2	Absence of eustachian tube	10	Diagnosis
Q16.3	Congenital malformation of ear ossicles	10	Diagnosis
Q16.4	Other congenital malformations of middle ear	10	Diagnosis
Q16.5	Congenital malformation of inner ear	10	Diagnosis
Q16.9	Congenital malformation of ear causing impairment of hearing, unspecified	10	Diagnosis
Q17	Other congenital malformations of ear	10	Diagnosis
Q17.2	Microtia	10	Diagnosis
Q17.9	Congenital malformation of ear, unspecified	10	Diagnosis
Q18	Other congenital malformations of face and neck	10	Diagnosis
Q18.2	Other branchial cleft malformations	10	Diagnosis
Q18.7	Microcheilia	10	Diagnosis
Q18.9	Congenital malformation of face and neck, unspecified	10	Diagnosis
Q20	Congenital malformations of cardiac chambers and connections	10	Diagnosis
Q20.0	Common arterial trunk	10	Diagnosis
Q20.1	Double outlet right ventricle	10	Diagnosis
Q20.2	Double outlet left ventricle	10	Diagnosis
Q20.3	Discordant ventriculoarterial connection	10	Diagnosis
Q20.4	Double inlet ventricle	10	Diagnosis
Q20.5	Discordant atrioventricular connection	10	Diagnosis
Q20.6	Isomerism of atrial appendages	10	Diagnosis
Q20.8	Other congenital malformations of cardiac chambers and connections	10	Diagnosis
Q20.9	Congenital malformation of cardiac chambers and connections, unspecified	10	Diagnosis
Q21	Congenital malformations of cardiac septa	10	Diagnosis
Q21.0	Ventricular septal defect	10	Diagnosis
Q21.1	Atrial septal defect	10	Diagnosis
Q21.2	Atrioventricular septal defect	10	Diagnosis
Q21.3	Tetralogy of Fallot	10	Diagnosis
Q21.4	Aortopulmonary septal defect	10	Diagnosis
Q21.8	Other congenital malformations of cardiac septa	10	Diagnosis
Q21.9	Congenital malformation of cardiac septum, unspecified	10	Diagnosis
Q22	Congenital malformations of pulmonary and tricuspid valves	10	Diagnosis
Q22.0	Pulmonary valve atresia	10	Diagnosis
Q22.1	Congenital pulmonary valve stenosis	10	Diagnosis
Q22.2	Congenital pulmonary valve insufficiency	10	Diagnosis
Q22.3	Other congenital malformations of pulmonary valve	10	Diagnosis
Q22.4	Congenital tricuspid stenosis	10	Diagnosis
Q22.5	Ebstein's anomaly	10	Diagnosis

**Appendix G. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Included in the Outcome Tree**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
Q22.6	Hypoplastic right heart syndrome	10	Diagnosis
Q22.8	Other congenital malformations of tricuspid valve	10	Diagnosis
Q22.9	Congenital malformation of tricuspid valve, unspecified	10	Diagnosis
Q23	Congenital malformations of aortic and mitral valves	10	Diagnosis
Q23.0	Congenital stenosis of aortic valve	10	Diagnosis
Q23.1	Congenital insufficiency of aortic valve	10	Diagnosis
Q23.2	Congenital mitral stenosis	10	Diagnosis
Q23.3	Congenital mitral insufficiency	10	Diagnosis
Q23.4	Hypoplastic left heart syndrome	10	Diagnosis
Q23.8	Other congenital malformations of aortic and mitral valves	10	Diagnosis
Q23.9	Congenital malformation of aortic and mitral valves, unspecified	10	Diagnosis
Q24	Other congenital malformations of heart	10	Diagnosis
Q24.0	Dextrocardia	10	Diagnosis
Q24.1	Levocardia	10	Diagnosis
Q24.2	Cor triatriatum	10	Diagnosis
Q24.3	Pulmonary infundibular stenosis	10	Diagnosis
Q24.4	Congenital subaortic stenosis	10	Diagnosis
Q24.5	Malformation of coronary vessels	10	Diagnosis
Q24.6	Congenital heart block	10	Diagnosis
Q24.8	Other specified congenital malformations of heart	10	Diagnosis
Q24.9	Congenital malformation of heart, unspecified	10	Diagnosis
Q25	Congenital malformations of great arteries	10	Diagnosis
Q25.0	Patent ductus arteriosus	10	Diagnosis
Q25.1	Coarctation of aorta	10	Diagnosis
Q25.2	Atresia of aorta	10	Diagnosis
Q25.21	Interruption of aortic arch	10	Diagnosis
Q25.29	Other atresia of aorta	10	Diagnosis
Q25.3	Supravalvular aortic stenosis	10	Diagnosis
Q25.4	Other congenital malformations of aorta	10	Diagnosis
Q25.40	Congenital malformation of aorta unspecified	10	Diagnosis
Q25.41	Absence and aplasia of aorta	10	Diagnosis
Q25.42	Hypoplasia of aorta	10	Diagnosis
Q25.43	Congenital aneurysm of aorta	10	Diagnosis
Q25.44	Congenital dilation of aorta	10	Diagnosis
Q25.45	Double aortic arch	10	Diagnosis
Q25.46	Tortuous aortic arch	10	Diagnosis
Q25.47	Right aortic arch	10	Diagnosis
Q25.48	Anomalous origin of subclavian artery	10	Diagnosis
Q25.49	Other congenital malformations of aorta	10	Diagnosis
Q25.5	Atresia of pulmonary artery	10	Diagnosis
Q25.6	Stenosis of pulmonary artery	10	Diagnosis
Q25.7	Other congenital malformations of pulmonary artery	10	Diagnosis
Q25.71	Coarctation of pulmonary artery	10	Diagnosis

**Appendix G. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Included in the Outcome Tree**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
Q25.72	Congenital pulmonary arteriovenous malformation	10	Diagnosis
Q25.79	Other congenital malformations of pulmonary artery	10	Diagnosis
Q25.8	Other congenital malformations of other great arteries	10	Diagnosis
Q25.9	Congenital malformation of great arteries, unspecified	10	Diagnosis
Q26	Congenital malformations of great veins	10	Diagnosis
Q26.0	Congenital stenosis of vena cava	10	Diagnosis
Q26.1	Persistent left superior vena cava	10	Diagnosis
Q26.2	Total anomalous pulmonary venous connection	10	Diagnosis
Q26.3	Partial anomalous pulmonary venous connection	10	Diagnosis
Q26.4	Anomalous pulmonary venous connection, unspecified	10	Diagnosis
Q26.5	Anomalous portal venous connection	10	Diagnosis
Q26.6	Portal vein-hepatic artery fistula	10	Diagnosis
Q26.8	Other congenital malformations of great veins	10	Diagnosis
Q26.9	Congenital malformation of great vein, unspecified	10	Diagnosis
Q27	Other congenital malformations of peripheral vascular system	10	Diagnosis
Q27.1	Congenital renal artery stenosis	10	Diagnosis
Q27.2	Other congenital malformations of renal artery	10	Diagnosis
Q27.3	Arteriovenous malformation (peripheral)	10	Diagnosis
Q27.30	Arteriovenous malformation, site unspecified	10	Diagnosis
Q27.31	Arteriovenous malformation of vessel of upper limb	10	Diagnosis
Q27.32	Arteriovenous malformation of vessel of lower limb	10	Diagnosis
Q27.33	Arteriovenous malformation of digestive system vessel	10	Diagnosis
Q27.34	Arteriovenous malformation of renal vessel	10	Diagnosis
Q27.39	Arteriovenous malformation, other site	10	Diagnosis
Q27.4	Congenital phlebectasia	10	Diagnosis
Q27.8	Other specified congenital malformations of peripheral vascular system	10	Diagnosis
Q27.9	Congenital malformation of peripheral vascular system, unspecified	10	Diagnosis
Q28	Other congenital malformations of circulatory system	10	Diagnosis
Q28.0	Arteriovenous malformation of precerebral vessels	10	Diagnosis
Q28.1	Other malformations of precerebral vessels	10	Diagnosis
Q28.2	Arteriovenous malformation of cerebral vessels	10	Diagnosis
Q28.3	Other malformations of cerebral vessels	10	Diagnosis
Q28.8	Other specified congenital malformations of circulatory system	10	Diagnosis
Q28.9	Congenital malformation of circulatory system, unspecified	10	Diagnosis
Q30	Congenital malformations of nose	10	Diagnosis
Q30.0	Choanal atresia	10	Diagnosis
Q30.1	Agenesis and underdevelopment of nose	10	Diagnosis
Q30.3	Congenital perforated nasal septum	10	Diagnosis
Q30.9	Congenital malformation of nose, unspecified	10	Diagnosis
Q31	Congenital malformations of larynx	10	Diagnosis
Q31.0	Web of larynx	10	Diagnosis
Q31.1	Congenital subglottic stenosis	10	Diagnosis
Q31.2	Laryngeal hypoplasia	10	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
Q31.3	Laryngocele	10	Diagnosis
Q31.5	Congenital laryngomalacia	10	Diagnosis
Q31.8	Other congenital malformations of larynx	10	Diagnosis
Q31.9	Congenital malformation of larynx, unspecified	10	Diagnosis
Q32	Congenital malformations of trachea and bronchus	10	Diagnosis
Q32.0	Congenital tracheomalacia	10	Diagnosis
Q32.1	Other congenital malformations of trachea	10	Diagnosis
Q32.2	Congenital bronchomalacia	10	Diagnosis
Q32.3	Congenital stenosis of bronchus	10	Diagnosis
Q32.4	Other congenital malformations of bronchus	10	Diagnosis
Q33	Congenital malformations of lung	10	Diagnosis
Q33.0	Congenital cystic lung	10	Diagnosis
Q33.1	Accessory lobe of lung	10	Diagnosis
Q33.2	Sequestration of lung	10	Diagnosis
Q33.3	Agenesis of lung	10	Diagnosis
Q33.4	Congenital bronchiectasis	10	Diagnosis
Q33.5	Ectopic tissue in lung	10	Diagnosis
Q33.6	Congenital hypoplasia and dysplasia of lung	10	Diagnosis
Q33.8	Other congenital malformations of lung	10	Diagnosis
Q33.9	Congenital malformation of lung, unspecified	10	Diagnosis
Q34	Other congenital malformations of respiratory system	10	Diagnosis
Q34.0	Anomaly of pleura	10	Diagnosis
Q34.1	Congenital cyst of mediastinum	10	Diagnosis
Q34.8	Other specified congenital malformations of respiratory system	10	Diagnosis
Q34.9	Congenital malformation of respiratory system, unspecified	10	Diagnosis
Q35	Cleft palate	10	Diagnosis
Q35.1	Cleft hard palate	10	Diagnosis
Q35.3	Cleft soft palate	10	Diagnosis
Q35.5	Cleft hard palate with cleft soft palate	10	Diagnosis
Q35.9	Cleft palate, unspecified	10	Diagnosis
Q36	Cleft lip	10	Diagnosis
Q36.0	Cleft lip, bilateral	10	Diagnosis
Q36.1	Cleft lip, median	10	Diagnosis
Q36.9	Cleft lip, unilateral	10	Diagnosis
Q37	Cleft palate with cleft lip	10	Diagnosis
Q37.0	Cleft hard palate with bilateral cleft lip	10	Diagnosis
Q37.1	Cleft hard palate with unilateral cleft lip	10	Diagnosis
Q37.2	Cleft soft palate with bilateral cleft lip	10	Diagnosis
Q37.3	Cleft soft palate with unilateral cleft lip	10	Diagnosis
Q37.4	Cleft hard and soft palate with bilateral cleft lip	10	Diagnosis
Q37.5	Cleft hard and soft palate with unilateral cleft lip	10	Diagnosis
Q37.8	Unspecified cleft palate with bilateral cleft lip	10	Diagnosis
Q37.9	Unspecified cleft palate with unilateral cleft lip	10	Diagnosis



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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
Q38	Other congenital malformations of tongue, mouth and pharynx	10	Diagnosis
Q38.0	Congenital malformations of lips, not elsewhere classified	10	Diagnosis
Q38.7	Congenital pharyngeal pouch	10	Diagnosis
Q38.8	Other congenital malformations of pharynx	10	Diagnosis
Q39	Congenital malformations of esophagus	10	Diagnosis
Q39.0	Atresia of esophagus without fistula	10	Diagnosis
Q39.1	Atresia of esophagus with tracheo-esophageal fistula	10	Diagnosis
Q39.2	Congenital tracheo-esophageal fistula without atresia	10	Diagnosis
Q39.3	Congenital stenosis and stricture of esophagus	10	Diagnosis
Q39.4	Esophageal web	10	Diagnosis
Q39.5	Congenital dilatation of esophagus	10	Diagnosis
Q39.6	Congenital diverticulum of esophagus	10	Diagnosis
Q39.8	Other congenital malformations of esophagus	10	Diagnosis
Q39.9	Congenital malformation of esophagus, unspecified	10	Diagnosis
Q40	Other congenital malformations of upper alimentary tract	10	Diagnosis
Q40.0	Congenital hypertrophic pyloric stenosis	10	Diagnosis
Q40.1	Congenital hiatus hernia	10	Diagnosis
Q40.2	Other specified congenital malformations of stomach	10	Diagnosis
Q40.3	Congenital malformation of stomach, unspecified	10	Diagnosis
Q40.8	Other specified congenital malformations of upper alimentary tract	10	Diagnosis
Q40.9	Congenital malformation of upper alimentary tract, unspecified	10	Diagnosis
Q41	Congenital absence, atresia and stenosis of small intestine	10	Diagnosis
Q41.0	Congenital absence, atresia and stenosis of duodenum	10	Diagnosis
Q41.1	Congenital absence, atresia and stenosis of jejunum	10	Diagnosis
Q41.2	Congenital absence, atresia and stenosis of ileum	10	Diagnosis
Q41.8	Congenital absence, atresia and stenosis of other specified parts of small intestine	10	Diagnosis
Q41.9	Congenital absence, atresia and stenosis of small intestine, part unspecified	10	Diagnosis
Q42	Congenital absence, atresia and stenosis of large intestine	10	Diagnosis
Q42.0	Congenital absence, atresia and stenosis of rectum with fistula	10	Diagnosis
Q42.1	Congenital absence, atresia and stenosis of rectum without fistula	10	Diagnosis
Q42.2	Congenital absence, atresia and stenosis of anus with fistula	10	Diagnosis
Q42.3	Congenital absence, atresia and stenosis of anus without fistula	10	Diagnosis
Q42.8	Congenital absence, atresia and stenosis of other parts of large intestine	10	Diagnosis
Q42.9	Congenital absence, atresia and stenosis of large intestine, part unspecified	10	Diagnosis
Q43	Other congenital malformations of intestine	10	Diagnosis
Q43.0	Meckel's diverticulum (displaced) (hypertrophic)	10	Diagnosis
Q43.1	Hirschsprung's disease	10	Diagnosis
Q43.2	Other congenital functional disorders of colon	10	Diagnosis
Q43.3	Congenital malformations of intestinal fixation	10	Diagnosis
Q43.4	Duplication of intestine	10	Diagnosis
Q43.6	Congenital fistula of rectum and anus	10	Diagnosis
Q43.7	Persistent cloaca	10	Diagnosis
Q43.8	Other specified congenital malformations of intestine	10	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
Q43.9	Congenital malformation of intestine, unspecified	10	Diagnosis
Q44	Congenital malformations of gallbladder, bile ducts and liver	10	Diagnosis
Q44.0	Agenesis, aplasia and hypoplasia of gallbladder	10	Diagnosis
Q44.1	Other congenital malformations of gallbladder	10	Diagnosis
Q44.2	Atresia of bile ducts	10	Diagnosis
Q44.3	Congenital stenosis and stricture of bile ducts	10	Diagnosis
Q44.4	Choledochal cyst	10	Diagnosis
Q44.5	Other congenital malformations of bile ducts	10	Diagnosis
Q44.6	Cystic disease of liver	10	Diagnosis
Q44.7	Other congenital malformations of liver	10	Diagnosis
Q45	Other congenital malformations of digestive system	10	Diagnosis
Q45.0	Agenesis, aplasia and hypoplasia of pancreas	10	Diagnosis
Q45.1	Annular pancreas	10	Diagnosis
Q45.2	Congenital pancreatic cyst	10	Diagnosis
Q45.3	Other congenital malformations of pancreas and pancreatic duct	10	Diagnosis
Q45.8	Other specified congenital malformations of digestive system	10	Diagnosis
Q45.9	Congenital malformation of digestive system, unspecified	10	Diagnosis
Q50	Congenital malformations of ovaries, fallopian tubes and broad ligaments	10	Diagnosis
Q50.0	Congenital absence of ovary	10	Diagnosis
Q50.01	Congenital absence of ovary, unilateral	10	Diagnosis
Q50.02	Congenital absence of ovary, bilateral	10	Diagnosis
Q50.1	Developmental ovarian cyst	10	Diagnosis
Q50.2	Congenital torsion of ovary	10	Diagnosis
Q50.3	Other congenital malformations of ovary	10	Diagnosis
Q50.31	Accessory ovary	10	Diagnosis
Q50.32	Ovarian streak	10	Diagnosis
Q50.39	Other congenital malformation of ovary	10	Diagnosis
Q50.4	Embryonic cyst of fallopian tube	10	Diagnosis
Q50.5	Embryonic cyst of broad ligament	10	Diagnosis
Q50.6	Other congenital malformations of fallopian tube and broad ligament	10	Diagnosis
Q51	Congenital malformations of uterus and cervix	10	Diagnosis
Q51.0	Agenesis and aplasia of uterus	10	Diagnosis
Q51.1	Doubling of uterus with doubling of cervix and vagina	10	Diagnosis
Q51.10	Doubling of uterus with doubling of cervix and vagina without obstruction	10	Diagnosis
Q51.11	Doubling of uterus with doubling of cervix and vagina with obstruction	10	Diagnosis
Q51.2	Other doubling of uterus	10	Diagnosis
Q51.20	Other doubling of uterus, unspecified	10	Diagnosis
Q51.21	Other complete doubling of uterus	10	Diagnosis
Q51.22	Other partial doubling of uterus	10	Diagnosis
Q51.28	Other doubling of uterus, other specified	10	Diagnosis
Q51.3	Bicornate uterus	10	Diagnosis
Q51.4	Unicornate uterus	10	Diagnosis
Q51.5	Agenesis and aplasia of cervix	10	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
Q51.6	Embryonic cyst of cervix	10	Diagnosis
Q51.7	Congenital fistulae between uterus and digestive and urinary tracts	10	Diagnosis
Q51.8	Other congenital malformations of uterus and cervix	10	Diagnosis
Q51.81	Other congenital malformations of uterus	10	Diagnosis
Q51.810	Arcuate uterus	10	Diagnosis
Q51.811	Hypoplasia of uterus	10	Diagnosis
Q51.818	Other congenital malformations of uterus	10	Diagnosis
Q51.82	Other congenital malformations of cervix	10	Diagnosis
Q51.820	Cervical duplication	10	Diagnosis
Q51.821	Hypoplasia of cervix	10	Diagnosis
Q51.828	Other congenital malformations of cervix	10	Diagnosis
Q51.9	Congenital malformation of uterus and cervix, unspecified	10	Diagnosis
Q52	Other congenital malformations of female genitalia	10	Diagnosis
Q52.0	Congenital absence of vagina	10	Diagnosis
Q52.1	Doubling of vagina	10	Diagnosis
Q52.10	Doubling of vagina, unspecified	10	Diagnosis
Q52.11	Transverse vaginal septum	10	Diagnosis
Q52.12	Longitudinal vaginal septum	10	Diagnosis
Q52.120	Longitudinal vaginal septum, nonobstructing	10	Diagnosis
Q52.121	Longitudinal vaginal septum, obstructing, right side	10	Diagnosis
Q52.122	Longitudinal vaginal septum, obstructing, left side	10	Diagnosis
Q52.123	Longitudinal vaginal septum, microperforate, right side	10	Diagnosis
Q52.124	Longitudinal vaginal septum, microperforate, left side	10	Diagnosis
Q52.129	Other and unspecified longitudinal vaginal septum	10	Diagnosis
Q52.2	Congenital rectovaginal fistula	10	Diagnosis
Q52.7	Other and unspecified congenital malformations of vulva	10	Diagnosis
Q52.70	Unspecified congenital malformations of vulva	10	Diagnosis
Q52.71	Congenital absence of vulva	10	Diagnosis
Q52.79	Other congenital malformations of vulva	10	Diagnosis
Q52.9	Congenital malformation of female genitalia, unspecified	10	Diagnosis
Q53	Undescended and ectopic testicle	10	Diagnosis
Q53.0	Ectopic testis	10	Diagnosis
Q53.00	Ectopic testis, unspecified	10	Diagnosis
Q53.01	Ectopic testis, unilateral	10	Diagnosis
Q53.02	Ectopic testes, bilateral	10	Diagnosis
Q53.10	Unspecified undescended testicle, unilateral	10	Diagnosis
Q53.11	Abdominal testis, unilateral	10	Diagnosis
Q53.111	Unilateral intraabdominal testis	10	Diagnosis
Q53.112	Unilateral inguinal testis	10	Diagnosis
Q53.12	Ectopic perineal testis, unilateral	10	Diagnosis
Q53.13	Unilateral high scrotal testis	10	Diagnosis
Q53.20	Undescended testicle, unspecified, bilateral	10	Diagnosis
Q53.21	Abdominal testis, bilateral	10	Diagnosis

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Code	Description	Code Type	Code
			Category
Q53.211	Bilateral intraabdominal testes	10	Diagnosis
Q53.212	Bilateral inguinal testes	10	Diagnosis
Q53.22	Ectopic perineal testis, bilateral	10	Diagnosis
Q53.23	Bilateral high scrotal testes	10	Diagnosis
Q54	Hypospadias	10	Diagnosis
Q54.0	Hypospadias, balanic	10	Diagnosis
Q54.1	Hypospadias, penile	10	Diagnosis
Q54.2	Hypospadias, penoscrotal	10	Diagnosis
Q54.3	Hypospadias, perineal	10	Diagnosis
Q54.8	Other hypospadias	10	Diagnosis
Q54.9	Hypospadias, unspecified	10	Diagnosis
Q55	Other congenital malformations of male genital organs	10	Diagnosis
Q55.0	Absence and aplasia of testis	10	Diagnosis
Q55.21	Polyorchism	10	Diagnosis
Q55.23	Scrotal transposition	10	Diagnosis
Q55.29	Other congenital malformations of testis and scrotum	10	Diagnosis
Q55.3	Atresia of vas deferens	10	Diagnosis
Q55.4	Other congenital malformations of vas deferens, epididymis, seminal vesicles and prostate	10	Diagnosis
Q55.5	Congenital absence and aplasia of penis	10	Diagnosis
Q55.61	Curvature of penis (lateral)	10	Diagnosis
Q55.62	Hypoplasia of penis	10	Diagnosis
Q55.69	Other congenital malformation of penis	10	Diagnosis
Q55.7	Congenital vasocutaneous fistula	10	Diagnosis
Q56	Indeterminate sex and pseudohermaphroditism	10	Diagnosis
Q56.0	Hermaphroditism, not elsewhere classified	10	Diagnosis
Q56.1	Male pseudohermaphroditism, not elsewhere classified	10	Diagnosis
Q56.2	Female pseudohermaphroditism, not elsewhere classified	10	Diagnosis
Q56.3	Pseudohermaphroditism, unspecified	10	Diagnosis
Q56.4	Indeterminate sex, unspecified	10	Diagnosis
Q60	Renal agenesis and other reduction defects of kidney	10	Diagnosis
Q60.0	Renal agenesis, unilateral	10	Diagnosis
Q60.1	Renal agenesis, bilateral	10	Diagnosis
Q60.2	Renal agenesis, unspecified	10	Diagnosis
Q60.3	Renal hypoplasia, unilateral	10	Diagnosis
Q60.4	Renal hypoplasia, bilateral	10	Diagnosis
Q60.5	Renal hypoplasia, unspecified	10	Diagnosis
Q60.6	Potter's syndrome	10	Diagnosis
Q61	Cystic kidney disease	10	Diagnosis
Q61.0	Congenital renal cyst	10	Diagnosis
Q61.00	Congenital renal cyst, unspecified	10	Diagnosis
Q61.01	Congenital single renal cyst	10	Diagnosis
Q61.02	Congenital multiple renal cysts	10	Diagnosis
Q61.1	Polycystic kidney, infantile type	10	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
Q61.11	Cystic dilatation of collecting ducts	10	Diagnosis
Q61.19	Other polycystic kidney, infantile type	10	Diagnosis
Q61.2	Polycystic kidney, adult type	10	Diagnosis
Q61.3	Polycystic kidney, unspecified	10	Diagnosis
Q61.4	Renal dysplasia	10	Diagnosis
Q61.5	Medullary cystic kidney	10	Diagnosis
Q61.8	Other cystic kidney diseases	10	Diagnosis
Q61.9	Cystic kidney disease, unspecified	10	Diagnosis
Q62	Congenital obstructive defects of renal pelvis and congenital malformations of ureter	10	Diagnosis
Q62.0	Congenital hydronephrosis	10	Diagnosis
Q62.1	Congenital occlusion of ureter	10	Diagnosis
Q62.10	Congenital occlusion of ureter, unspecified	10	Diagnosis
Q62.11	Congenital occlusion of ureteropelvic junction	10	Diagnosis
Q62.12	Congenital occlusion of ureterovesical orifice	10	Diagnosis
Q62.2	Congenital megaureter	10	Diagnosis
Q62.3	Other obstructive defects of renal pelvis and ureter	10	Diagnosis
Q62.31	Congenital ureterocele, orthotopic	10	Diagnosis
Q62.32	Cecoureterocele	10	Diagnosis
Q62.39	Other obstructive defects of renal pelvis and ureter	10	Diagnosis
Q62.4	Agenesis of ureter	10	Diagnosis
Q62.5	Duplication of ureter	10	Diagnosis
Q62.6	Malposition of ureter	10	Diagnosis
Q62.60	Malposition of ureter, unspecified	10	Diagnosis
Q62.61	Deviation of ureter	10	Diagnosis
Q62.62	Displacement of ureter	10	Diagnosis
Q62.63	Anomalous implantation of ureter	10	Diagnosis
Q62.69	Other malposition of ureter	10	Diagnosis
Q62.7	Congenital vesico-uretero-renal reflux	10	Diagnosis
Q62.8	Other congenital malformations of ureter	10	Diagnosis
Q63	Other congenital malformations of kidney	10	Diagnosis
Q63.0	Accessory kidney	10	Diagnosis
Q63.1	Lobulated, fused and horseshoe kidney	10	Diagnosis
Q63.2	Ectopic kidney	10	Diagnosis
Q63.3	Hyperplastic and giant kidney	10	Diagnosis
Q63.8	Other specified congenital malformations of kidney	10	Diagnosis
Q63.9	Congenital malformation of kidney, unspecified	10	Diagnosis
Q64	Other congenital malformations of urinary system	10	Diagnosis
Q64.0	Epispadias	10	Diagnosis
Q64.1	Exstrophy of urinary bladder	10	Diagnosis
Q64.10	Exstrophy of urinary bladder, unspecified	10	Diagnosis
Q64.11	Supravesical fissure of urinary bladder	10	Diagnosis
Q64.12	Cloacal exstrophy of urinary bladder	10	Diagnosis
Q64.19	Other exstrophy of urinary bladder	10	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
Q64.2	Congenital posterior urethral valves	10	Diagnosis
Q64.3	Other atresia and stenosis of urethra and bladder neck	10	Diagnosis
Q64.31	Congenital bladder neck obstruction	10	Diagnosis
Q64.32	Congenital stricture of urethra	10	Diagnosis
Q64.33	Congenital stricture of urinary meatus	10	Diagnosis
Q64.39	Other atresia and stenosis of urethra and bladder neck	10	Diagnosis
Q64.4	Malformation of urachus	10	Diagnosis
Q64.5	Congenital absence of bladder and urethra	10	Diagnosis
Q64.6	Congenital diverticulum of bladder	10	Diagnosis
Q64.7	Other and unspecified congenital malformations of bladder and urethra	10	Diagnosis
Q64.70	Unspecified congenital malformation of bladder and urethra	10	Diagnosis
Q64.71	Congenital prolapse of urethra	10	Diagnosis
Q64.72	Congenital prolapse of urinary meatus	10	Diagnosis
Q64.73	Congenital urethrorectal fistula	10	Diagnosis
Q64.74	Double urethra	10	Diagnosis
Q64.75	Double urinary meatus	10	Diagnosis
Q64.79	Other congenital malformations of bladder and urethra	10	Diagnosis
Q64.8	Other specified congenital malformations of urinary system	10	Diagnosis
Q64.9	Congenital malformation of urinary system, unspecified	10	Diagnosis
Q65	Congenital deformities of hip	10	Diagnosis
Q65.0	Congenital dislocation of hip, unilateral	10	Diagnosis
Q65.00	Congenital dislocation of unspecified hip, unilateral	10	Diagnosis
Q65.01	Congenital dislocation of right hip, unilateral	10	Diagnosis
Q65.02	Congenital dislocation of left hip, unilateral	10	Diagnosis
Q65.1	Congenital dislocation of hip, bilateral	10	Diagnosis
Q65.2	Congenital dislocation of hip, unspecified	10	Diagnosis
Q65.3	Congenital partial dislocation of hip, unilateral	10	Diagnosis
Q65.30	Congenital partial dislocation of unspecified hip, unilateral	10	Diagnosis
Q65.31	Congenital partial dislocation of right hip, unilateral	10	Diagnosis
Q65.32	Congenital partial dislocation of left hip, unilateral	10	Diagnosis
Q65.4	Congenital partial dislocation of hip, bilateral	10	Diagnosis
Q65.5	Congenital partial dislocation of hip, unspecified	10	Diagnosis
Q65.6	Congenital unstable hip	10	Diagnosis
Q65.8	Other congenital deformities of hip	10	Diagnosis
Q65.81	Congenital coxa valga	10	Diagnosis
Q65.82	Congenital coxa vara	10	Diagnosis
Q65.89	Other specified congenital deformities of hip	10	Diagnosis
Q65.9	Congenital deformity of hip, unspecified	10	Diagnosis
Q66	Congenital deformities of feet	10	Diagnosis
Q66.0	Congenital talipes equinovarus	10	Diagnosis
Q66.1	Congenital talipes calcaneovarus	10	Diagnosis
Q66.22	Congenital metatarsus adductus	10	Diagnosis
Q66.3	Other congenital varus deformities of feet	10	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
Q66.4	Congenital talipes calcaneovalgus	10	Diagnosis
Q66.9	Congenital deformity of feet, unspecified	10	Diagnosis
Q67	Congenital musculoskeletal deformities of head, face, spine and chest	10	Diagnosis
Q67.5	Congenital deformity of spine	10	Diagnosis
Q68	Other congenital musculoskeletal deformities	10	Diagnosis
Q68.2	Congenital deformity of knee	10	Diagnosis
Q68.3	Congenital bowing of femur	10	Diagnosis
Q68.4	Congenital bowing of tibia and fibula	10	Diagnosis
Q68.5	Congenital bowing of long bones of leg, unspecified	10	Diagnosis
Q68.6	Discoid meniscus	10	Diagnosis
Q69	Polydactyly	10	Diagnosis
Q69.0	Accessory finger(s)	10	Diagnosis
Q69.1	Accessory thumb(s)	10	Diagnosis
Q69.2	Accessory toe(s)	10	Diagnosis
Q69.9	Polydactyly, unspecified	10	Diagnosis
Q70	Syndactyly	10	Diagnosis
Q70.0	Fused fingers	10	Diagnosis
Q70.00	Fused fingers, unspecified hand	10	Diagnosis
Q70.01	Fused fingers, right hand	10	Diagnosis
Q70.02	Fused fingers, left hand	10	Diagnosis
Q70.03	Fused fingers, bilateral	10	Diagnosis
Q70.2	Fused toes	10	Diagnosis
Q70.20	Fused toes, unspecified foot	10	Diagnosis
Q70.21	Fused toes, right foot	10	Diagnosis
Q70.22	Fused toes, left foot	10	Diagnosis
Q70.23	Fused toes, bilateral	10	Diagnosis
Q70.4	Polysyndactyly, unspecified	10	Diagnosis
Q70.9	Syndactyly, unspecified	10	Diagnosis
Q71	Reduction defects of upper limb	10	Diagnosis
Q71.0	Congenital complete absence of upper limb	10	Diagnosis
Q71.00	Congenital complete absence of unspecified upper limb	10	Diagnosis
Q71.01	Congenital complete absence of right upper limb	10	Diagnosis
Q71.02	Congenital complete absence of left upper limb	10	Diagnosis
Q71.03	Congenital complete absence of upper limb, bilateral	10	Diagnosis
Q71.1	Congenital absence of upper arm and forearm with hand present	10	Diagnosis
Q71.10	Congenital absence of unspecified upper arm and forearm with hand present	10	Diagnosis
Q71.11	Congenital absence of right upper arm and forearm with hand present	10	Diagnosis
Q71.12	Congenital absence of left upper arm and forearm with hand present	10	Diagnosis
Q71.13	Congenital absence of upper arm and forearm with hand present, bilateral	10	Diagnosis
Q71.2	Congenital absence of both forearm and hand	10	Diagnosis
Q71.20	Congenital absence of both forearm and hand, unspecified upper limb	10	Diagnosis
Q71.21	Congenital absence of both forearm and hand, right upper limb	10	Diagnosis
Q71.22	Congenital absence of both forearm and hand, left upper limb	10	Diagnosis



**Appendix G. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Included in the Outcome Tree**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
Q71.23	Congenital absence of both forearm and hand, bilateral	10	Diagnosis
Q71.3	Congenital absence of hand and finger	10	Diagnosis
Q71.30	Congenital absence of unspecified hand and finger	10	Diagnosis
Q71.31	Congenital absence of right hand and finger	10	Diagnosis
Q71.32	Congenital absence of left hand and finger	10	Diagnosis
Q71.33	Congenital absence of hand and finger, bilateral	10	Diagnosis
Q71.4	Longitudinal reduction defect of radius	10	Diagnosis
Q71.40	Longitudinal reduction defect of unspecified radius	10	Diagnosis
Q71.41	Longitudinal reduction defect of right radius	10	Diagnosis
Q71.42	Longitudinal reduction defect of left radius	10	Diagnosis
Q71.43	Longitudinal reduction defect of radius, bilateral	10	Diagnosis
Q71.5	Longitudinal reduction defect of ulna	10	Diagnosis
Q71.50	Longitudinal reduction defect of unspecified ulna	10	Diagnosis
Q71.51	Longitudinal reduction defect of right ulna	10	Diagnosis
Q71.52	Longitudinal reduction defect of left ulna	10	Diagnosis
Q71.53	Longitudinal reduction defect of ulna, bilateral	10	Diagnosis
Q71.6	Lobster-claw hand	10	Diagnosis
Q71.60	Lobster-claw hand, unspecified hand	10	Diagnosis
Q71.61	Lobster-claw right hand	10	Diagnosis
Q71.62	Lobster-claw left hand	10	Diagnosis
Q71.63	Lobster-claw hand, bilateral	10	Diagnosis
Q71.8	Other reduction defects of upper limb	10	Diagnosis
Q71.81	Congenital shortening of upper limb	10	Diagnosis
Q71.811	Congenital shortening of right upper limb	10	Diagnosis
Q71.812	Congenital shortening of left upper limb	10	Diagnosis
Q71.813	Congenital shortening of upper limb, bilateral	10	Diagnosis
Q71.819	Congenital shortening of unspecified upper limb	10	Diagnosis
Q71.89	Other reduction defects of upper limb	10	Diagnosis
Q71.891	Other reduction defects of right upper limb	10	Diagnosis
Q71.892	Other reduction defects of left upper limb	10	Diagnosis
Q71.893	Other reduction defects of upper limb, bilateral	10	Diagnosis
Q71.899	Other reduction defects of unspecified upper limb	10	Diagnosis
Q71.9	Unspecified reduction defect of upper limb	10	Diagnosis
Q71.90	Unspecified reduction defect of unspecified upper limb	10	Diagnosis
Q71.91	Unspecified reduction defect of right upper limb	10	Diagnosis
Q71.92	Unspecified reduction defect of left upper limb	10	Diagnosis
Q71.93	Unspecified reduction defect of upper limb, bilateral	10	Diagnosis
Q72	Reduction defects of lower limb	10	Diagnosis
Q72.0	Congenital complete absence of lower limb	10	Diagnosis
Q72.00	Congenital complete absence of unspecified lower limb	10	Diagnosis
Q72.01	Congenital complete absence of right lower limb	10	Diagnosis
Q72.02	Congenital complete absence of left lower limb	10	Diagnosis
Q72.03	Congenital complete absence of lower limb, bilateral	10	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
Q72.1	Congenital absence of thigh and lower leg with foot present	10	Diagnosis
Q72.10	Congenital absence of unspecified thigh and lower leg with foot present	10	Diagnosis
Q72.11	Congenital absence of right thigh and lower leg with foot present	10	Diagnosis
Q72.12	Congenital absence of left thigh and lower leg with foot present	10	Diagnosis
Q72.13	Congenital absence of thigh and lower leg with foot present, bilateral	10	Diagnosis
Q72.2	Congenital absence of both lower leg and foot	10	Diagnosis
Q72.20	Congenital absence of both lower leg and foot, unspecified lower limb	10	Diagnosis
Q72.21	Congenital absence of both lower leg and foot, right lower limb	10	Diagnosis
Q72.22	Congenital absence of both lower leg and foot, left lower limb	10	Diagnosis
Q72.23	Congenital absence of both lower leg and foot, bilateral	10	Diagnosis
Q72.3	Congenital absence of foot and toe(s)	10	Diagnosis
Q72.30	Congenital absence of unspecified foot and toe(s)	10	Diagnosis
Q72.31	Congenital absence of right foot and toe(s)	10	Diagnosis
Q72.32	Congenital absence of left foot and toe(s)	10	Diagnosis
Q72.33	Congenital absence of foot and toe(s), bilateral	10	Diagnosis
Q72.4	Longitudinal reduction defect of femur	10	Diagnosis
Q72.40	Longitudinal reduction defect of unspecified femur	10	Diagnosis
Q72.41	Longitudinal reduction defect of right femur	10	Diagnosis
Q72.42	Longitudinal reduction defect of left femur	10	Diagnosis
Q72.43	Longitudinal reduction defect of femur, bilateral	10	Diagnosis
Q72.5	Longitudinal reduction defect of tibia	10	Diagnosis
Q72.50	Longitudinal reduction defect of unspecified tibia	10	Diagnosis
Q72.51	Longitudinal reduction defect of right tibia	10	Diagnosis
Q72.52	Longitudinal reduction defect of left tibia	10	Diagnosis
Q72.53	Longitudinal reduction defect of tibia, bilateral	10	Diagnosis
Q72.6	Longitudinal reduction defect of fibula	10	Diagnosis
Q72.60	Longitudinal reduction defect of unspecified fibula	10	Diagnosis
Q72.61	Longitudinal reduction defect of right fibula	10	Diagnosis
Q72.62	Longitudinal reduction defect of left fibula	10	Diagnosis
Q72.63	Longitudinal reduction defect of fibula, bilateral	10	Diagnosis
Q72.7	Split foot	10	Diagnosis
Q72.70	Split foot, unspecified lower limb	10	Diagnosis
Q72.71	Split foot, right lower limb	10	Diagnosis
Q72.72	Split foot, left lower limb	10	Diagnosis
Q72.73	Split foot, bilateral	10	Diagnosis
Q72.8	Other reduction defects of lower limb	10	Diagnosis
Q72.81	Congenital shortening of lower limb	10	Diagnosis
Q72.811	Congenital shortening of right lower limb	10	Diagnosis
Q72.812	Congenital shortening of left lower limb	10	Diagnosis
Q72.813	Congenital shortening of lower limb, bilateral	10	Diagnosis
Q72.819	Congenital shortening of unspecified lower limb	10	Diagnosis
Q72.89	Other reduction defects of lower limb	10	Diagnosis
Q72.891	Other reduction defects of right lower limb	10	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
Q72.892	Other reduction defects of left lower limb	10	Diagnosis
Q72.893	Other reduction defects of lower limb, bilateral	10	Diagnosis
Q72.899	Other reduction defects of unspecified lower limb	10	Diagnosis
Q72.9	Unspecified reduction defect of lower limb	10	Diagnosis
Q72.90	Unspecified reduction defect of unspecified lower limb	10	Diagnosis
Q72.91	Unspecified reduction defect of right lower limb	10	Diagnosis
Q72.92	Unspecified reduction defect of left lower limb	10	Diagnosis
Q72.93	Unspecified reduction defect of lower limb, bilateral	10	Diagnosis
Q73	Reduction defects of unspecified limb	10	Diagnosis
Q73.0	Congenital absence of unspecified limb(s)	10	Diagnosis
Q73.1	Phocomelia, unspecified limb(s)	10	Diagnosis
Q73.8	Other reduction defects of unspecified limb(s)	10	Diagnosis
Q74	Other congenital malformations of limb(s)	10	Diagnosis
Q74.0	Other congenital malformations of upper limb(s), including shoulder girdle	10	Diagnosis
Q74.1	Congenital malformation of knee	10	Diagnosis
Q74.2	Other congenital malformations of lower limb(s), including pelvic girdle	10	Diagnosis
Q74.3	Arthrogryposis multiplex congenita	10	Diagnosis
Q74.8	Other specified congenital malformations of limb(s)	10	Diagnosis
Q74.9	Unspecified congenital malformation of limb(s)	10	Diagnosis
Q75	Other congenital malformations of skull and face bones	10	Diagnosis
Q75.0	Craniosynostosis	10	Diagnosis
Q75.1	Craniofacial dysostosis	10	Diagnosis
Q75.4	Mandibulofacial dysostosis	10	Diagnosis
Q75.5	Oculomandibular dysostosis	10	Diagnosis
Q75.9	Congenital malformation of skull and face bones, unspecified	10	Diagnosis
Q76	Congenital malformations of spine and bony thorax	10	Diagnosis
Q76.1	Klippel-Feil syndrome	10	Diagnosis
Q76.2	Congenital spondylolisthesis	10	Diagnosis
Q76.3	Congenital scoliosis due to congenital bony malformation	10	Diagnosis
Q76.4	Other congenital malformations of spine, not associated with scoliosis	10	Diagnosis
Q76.41	Congenital kyphosis	10	Diagnosis
Q76.411	Congenital kyphosis, occipito-atlanto-axial region	10	Diagnosis
Q76.412	Congenital kyphosis, cervical region	10	Diagnosis
Q76.413	Congenital kyphosis, cervicothoracic region	10	Diagnosis
Q76.414	Congenital kyphosis, thoracic region	10	Diagnosis
Q76.415	Congenital kyphosis, thoracolumbar region	10	Diagnosis
Q76.419	Congenital kyphosis, unspecified region	10	Diagnosis
Q76.42	Congenital lordosis	10	Diagnosis
Q76.425	Congenital lordosis, thoracolumbar region	10	Diagnosis
Q76.426	Congenital lordosis, lumbar region	10	Diagnosis
Q76.427	Congenital lordosis, lumbosacral region	10	Diagnosis
Q76.428	Congenital lordosis, sacral and sacrococcygeal region	10	Diagnosis
Q76.429	Congenital lordosis, unspecified region	10	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
Q76.49	Other congenital malformations of spine, not associated with scoliosis	10	Diagnosis
Q76.6	Other congenital malformations of ribs	10	Diagnosis
Q76.7	Congenital malformation of sternum	10	Diagnosis
Q76.8	Other congenital malformations of bony thorax	10	Diagnosis
Q76.9	Congenital malformation of bony thorax, unspecified	10	Diagnosis
Q77	Osteochondrodysplasia with defects of growth of tubular bones and spine	10	Diagnosis
Q77.0	Achondrogenesis	10	Diagnosis
Q77.1	Thanatophoric short stature	10	Diagnosis
Q77.2	Short rib syndrome	10	Diagnosis
Q77.3	Chondrodysplasia punctata	10	Diagnosis
Q77.4	Achondroplasia	10	Diagnosis
Q77.5	Diastrophic dysplasia	10	Diagnosis
Q77.6	Chondroectodermal dysplasia	10	Diagnosis
Q77.7	Spondyloepiphyseal dysplasia	10	Diagnosis
Q77.8	Other osteochondrodysplasia with defects of growth of tubular bones and spine	10	Diagnosis
Q77.9	Osteochondrodysplasia with defects of growth of tubular bones and spine, unspecified	10	Diagnosis
Q78	Other osteochondrodysplasias	10	Diagnosis
Q78.0	Osteogenesis imperfecta	10	Diagnosis
Q78.1	Polyostotic fibrous dysplasia	10	Diagnosis
Q78.2	Osteopetrosis	10	Diagnosis
Q78.3	Progressive diaphyseal dysplasia	10	Diagnosis
Q78.4	Enchondromatosis	10	Diagnosis
Q78.5	Metaphyseal dysplasia	10	Diagnosis
Q78.6	Multiple congenital exostoses	10	Diagnosis
Q78.8	Other specified osteochondrodysplasias	10	Diagnosis
Q78.9	Osteochondrodysplasia, unspecified	10	Diagnosis
Q79	Congenital malformations of musculoskeletal system, not elsewhere classified	10	Diagnosis
Q79.0	Congenital diaphragmatic hernia	10	Diagnosis
Q79.1	Other congenital malformations of diaphragm	10	Diagnosis
Q79.2	Exomphalos	10	Diagnosis
Q79.3	Gastroschisis	10	Diagnosis
Q79.4	Prune belly syndrome	10	Diagnosis
Q79.51	Congenital hernia of bladder	10	Diagnosis
Q79.59	Other congenital malformations of abdominal wall	10	Diagnosis
Q79.6	Ehlers-Danlos syndromes	10	Diagnosis
Q79.9	Congenital malformation of musculoskeletal system, unspecified	10	Diagnosis
Q83	Congenital malformations of breast	10	Diagnosis
Q83.0	Congenital absence of breast with absent nipple	10	Diagnosis
Q83.1	Accessory breast	10	Diagnosis
Q84	Other congenital malformations of integument	10	Diagnosis
Q84.0	Congenital alopecia	10	Diagnosis
Q86	Congenital malformation syndromes due to known exogenous causes, not elsewhere classified	10	Diagnosis
Q86.0	Fetal alcohol syndrome (dysmorphic)	10	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
Q86.1	Fetal hydantoin syndrome	10	Diagnosis
Q86.2	Dysmorphism due to warfarin	10	Diagnosis
Q86.8	Other congenital malformation syndromes due to known exogenous causes	10	Diagnosis
Q87	Other specified congenital malformation syndromes affecting multiple systems	10	Diagnosis
Q87.0	Congenital malformation syndromes predominantly affecting facial appearance	10	Diagnosis
Q87.1	Congenital malformation syndromes predominantly associated with short stature	10	Diagnosis
Q87.2	Congenital malformation syndromes predominantly involving limbs	10	Diagnosis
Q87.3	Congenital malformation syndromes involving early overgrowth	10	Diagnosis
Q89	Other congenital malformations, not elsewhere classified	10	Diagnosis
Q89.0	Congenital absence and malformations of spleen	10	Diagnosis
Q89.01	Asplenia (congenital)	10	Diagnosis
Q89.09	Congenital malformations of spleen	10	Diagnosis
Q89.1	Congenital malformations of adrenal gland	10	Diagnosis
Q89.2	Congenital malformations of other endocrine glands	10	Diagnosis
Q89.3	Situs inversus	10	Diagnosis
Q89.7	Multiple congenital malformations, not elsewhere classified	10	Diagnosis
Q89.8	Other specified congenital malformations	10	Diagnosis
Q89.9	Congenital malformation, unspecified	10	Diagnosis
P05	Disorders of newborn related to slow fetal growth and fetal malnutrition	10	Diagnosis
P05.0	Newborn light for gestational age	10	Diagnosis
P05.00	Newborn light for gestational age, unspecified weight	10	Diagnosis
P05.01	Newborn light for gestational age, less than 500 grams	10	Diagnosis
P05.02	Newborn light for gestational age, 500-749 grams	10	Diagnosis
P05.03	Newborn light for gestational age, 750-999 grams	10	Diagnosis
P05.04	Newborn light for gestational age, 1000-1249 grams	10	Diagnosis
P05.05	Newborn light for gestational age, 1250-1499 grams	10	Diagnosis
P05.06	Newborn light for gestational age, 1500-1749 grams	10	Diagnosis
P05.07	Newborn light for gestational age, 1750-1999 grams	10	Diagnosis
P05.08	Newborn light for gestational age, 2000-2499 grams	10	Diagnosis
P05.09	Newborn light for gestational age, 2500 grams and over	10	Diagnosis
P05.1	Newborn small for gestational age	10	Diagnosis
P05.10	Newborn small for gestational age, unspecified weight	10	Diagnosis
P05.11	Newborn small for gestational age, less than 500 grams	10	Diagnosis
P05.12	Newborn small for gestational age, 500-749 grams	10	Diagnosis
P05.13	Newborn small for gestational age, 750-999 grams	10	Diagnosis
P05.14	Newborn small for gestational age, 1000-1249 grams	10	Diagnosis
P05.15	Newborn small for gestational age, 1250-1499 grams	10	Diagnosis
P05.16	Newborn small for gestational age, 1500-1749 grams	10	Diagnosis
P05.17	Newborn small for gestational age, 1750-1999 grams	10	Diagnosis
P05.18	Newborn small for gestational age, 2000-2499 grams	10	Diagnosis
P05.19	Newborn small for gestational age, other	10	Diagnosis
P05.2	Newborn affected by fetal (intrauterine) malnutrition not light or small for gestational age	10	Diagnosis
P05.9	Newborn affected by slow intrauterine growth, unspecified	10	Diagnosis

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
P07	Disorders of newborn related to short gestation and low birth weight, not elsewhere classified	10	Diagnosis
P07.0	Extremely low birth weight newborn	10	Diagnosis
P07.00	Extremely low birth weight newborn, unspecified weight	10	Diagnosis
P07.01	Extremely low birth weight newborn, less than 500 grams	10	Diagnosis
P07.02	Extremely low birth weight newborn, 500-749 grams	10	Diagnosis
P07.03	Extremely low birth weight newborn, 750-999 grams	10	Diagnosis
P07.1	Other low birth weight newborn	10	Diagnosis
P07.10	Other low birth weight newborn, unspecified weight	10	Diagnosis
P07.14	Other low birth weight newborn, 1000-1249 grams	10	Diagnosis
P07.15	Other low birth weight newborn, 1250-1499 grams	10	Diagnosis
P07.16	Other low birth weight newborn, 1500-1749 grams	10	Diagnosis
P07.17	Other low birth weight newborn, 1750-1999 grams	10	Diagnosis
P07.18	Other low birth weight newborn, 2000-2499 grams	10	Diagnosis
P07.2	Extreme immaturity of newborn	10	Diagnosis
P07.20	Extreme immaturity of newborn, unspecified weeks of gestation	10	Diagnosis
P07.21	Extreme immaturity of newborn, gestational age less than 23 completed weeks	10	Diagnosis
P07.22	Extreme immaturity of newborn, gestational age 23 completed weeks	10	Diagnosis
P07.23	Extreme immaturity of newborn, gestational age 24 completed weeks	10	Diagnosis
P07.24	Extreme immaturity of newborn, gestational age 25 completed weeks	10	Diagnosis
P07.25	Extreme immaturity of newborn, gestational age 26 completed weeks	10	Diagnosis
P07.26	Extreme immaturity of newborn, gestational age 27 completed weeks	10	Diagnosis
P07.3	Preterm [premature] newborn [other]	10	Diagnosis
P07.30	Preterm newborn, unspecified weeks of gestation	10	Diagnosis
P07.31	Preterm newborn, gestational age 28 completed weeks	10	Diagnosis
P07.32	Preterm newborn, gestational age 29 completed weeks	10	Diagnosis
P07.33	Preterm newborn, gestational age 30 completed weeks	10	Diagnosis
P07.34	Preterm newborn, gestational age 31 completed weeks	10	Diagnosis
P07.35	Preterm newborn, gestational age 32 completed weeks	10	Diagnosis
P07.36	Preterm newborn, gestational age 33 completed weeks	10	Diagnosis
P07.37	Preterm newborn, gestational age 34 completed weeks	10	Diagnosis
P07.38	Preterm newborn, gestational age 35 completed weeks	10	Diagnosis
P07.39	Preterm newborn, gestational age 36 completed weeks	10	Diagnosis
P08	Disorders of newborn related to long gestation and high birth weight	10	Diagnosis
P08.0	Exceptionally large newborn baby	10	Diagnosis
P08.1	Other heavy for gestational age newborn	10	Diagnosis
P08.2	Late newborn, not heavy for gestational age	10	Diagnosis
P08.21	Post-term newborn	10	Diagnosis
P08.22	Prolonged gestation of newborn	10	Diagnosis