

Supplement table 1.

<b>Pneumonia</b>			
Viral pneumonia	J12	480	480
Pneumococcal pneumonia	J13	481	481
Pneumonia due to Hemophilus influenzae	J14	482	482
Other bacterial pneumonia	J15	482	482
Pneumonia due to other specified organism	J16	483	483
Pneumonia in infectious diseases classified elsewhere	-	484	-
Acute interstitial pneumonia	-	-	484
Bronchopneumonia, organism unspecified	J18	485	485
Pneumonia, unspecified organism	J18	486	486
<b>Asthma and other chronic obstructive pulmonary disease</b>			
Simple and mucopurulent chronic bronchitis	J41	491	491
Unspecified chronic bronchitis	J42	491	491
Emphysema	J43	492	492
Other chronic obstructive pulmonary disease	J44	496	-
Asthma	J45	493	493
Cystic fibrosis with pulmonary manifestations	E84.0	277.02	-
Bronchopulmonary dysplasia originating in the perinatal period	P27.1	-	-
<b>Chronic heart diseases</b>			
<b>Cardiac arrhythmias and conduction disorders</b>	<b>I44-145, I47-149</b>	<b>426, 427 (excl. 427.5)</b>	<b>427.3-427.9</b>
Atrioventricular and left bundle-branch block	I44	426	427.3-427.9
Other conduction disorders	I45	-	-
Paroxysmal tachycardia	I47	427	427
Atrial fibrillation and flutter	I48	427	427
Other cardiac arrhythmias	I49	427	427
<b>Ischemic Heart Disease</b>	<b>I20-I22, I25</b>	<b>410-414</b>	<b>410-414</b>
Angina pectoris	I20	411, 413	411, 413
ST elevation (STEMI) and non-ST elevation (NSTEMI) myocardial infarction	I21	410	410
Subsequent ST elevation (STEMI) and non-ST elevation (NSTEMI) myocardial infarction	I22	412	412
Chronic Ischemic Heart Disease	I25	414	414
<b>Valve disease</b>	<b>I05-I09, I33-139</b>	<b>393-398, 421, 424</b>	<b>393-398, 421, 424</b>
Rheumatic mitral valve diseases	I05	394	394
Rheumatic aortic valve diseases	I06	395	395
Rheumatic tricuspid valve diseases	I07	-	-
Multiple valve diseases (Rheumatic)	I08	396	396
Other rheumatic heart diseases	I09	393, 397-398	393, 397-398
Acute and subacute endocarditis	I33	421	421
Nonrheumatic mitral valve disorders	I34	424.0	424.0
Nonrheumatic aortic valve disorders	I35	424.1	424.1
Nonrheumatic tricuspid valve disorders	I36	424.2	-
Nonrheumatic pulmonary valve disorders	I37	424.3	-
Endocarditis, valve unspecified	I38	424.9	424.9
Endocarditis and heart valve disorders in diseases classified elsewhere	I39	424.9	424.9

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<b>Hypertensive heart and kidney diseases</b>	<b>I11-I13</b>	<b>402-404</b>	<b>402-404</b>
Hypertensive heart disease	I11	402	402
Hypertensive chronic kidney disease	I12	403	403
Hypertensive heart and chronic kidney disease	I13	404	404
<b>Cardiomyopathy and heart failure</b>	<b>I42-I43, I50-I51</b>	<b>425, 428-429</b>	<b>425, 427.0- 427.2, 428-429</b>
Cardiomyopathy	I42	425	425
Cardiomyopathy in diseases classified elsewhere	I43	425	425
Heart failure	I50	428	427.0-427.2, 428
Complications and ill-defined descriptions of heart disease including cardiomegaly	I51	429	429
<b>Other heart diseases</b>	<b>I27-I28, I30-I32, I40-I41, 152, Q20-Q28</b>	<b>416-417, 420, 422-423, 745-747</b>	<b>420, 422-423, 426, 746-747</b>
Other pulmonary heart diseases	I27	416	426
Other diseases of pulmonary vessels	I28	417	-
Acute pericarditis	I30	420	420
Other diseases of pericardium	I31	423	423
Pericarditis in diseases classified elsewhere	I32	420	420
Acute myocarditis	I40	422	422
Myocarditis in diseases classified elsewhere	I41	-	-
Other heart disorders in diseases classified elsewhere	I52	-	-
Congenital malformations of cardiac chambers and connections	Q20	745-747	746-747
Congenital malformations of cardiac septa	Q21		
Congenital malformations of pulmonary and tricuspid valves	Q22		
Congenital malformations of aortic and mitral valves	Q23		
Other congenital malformations of heart	Q24		
Congenital malformations of great arteries	Q25		
Congenital malformations of great veins	Q26		
Other congenital malformations of peripheral vascular system	Q27		
Other congenital malformations of circulatory system	Q28		
<b>Chronic kidney disease</b>	<b>N00-N08, N11- N12, N14-N16, N18-N19, N25, Q60-Q61</b>	<b>580-583, 585, 586, 588, 753.0, 753.1</b>	<b>580-583, 585, 586, 588, 753.0, 753.1</b>
Acute nephritic syndrome	N00	-	-
Rapidly progressive nephritic syndrome	N01	-	-
Recurrent and persistent hematuria	N02	-	-
Chronic nephritic syndrome	N03	-	-
Nephrotic syndrome	N04	581	581
Unspecified nephritic syndrome	N05	-	-
Isolated proteinuria with specified morphological lesion	N06	-	-
Hereditary nephropathy, not elsewhere classified	N07	-	-
Glomerular disorders in diseases classified elsewhere	N08	-	-
Chronic tubulo-interstitial nephritis	N11	-	-
Tubulo-interstitial nephritis, not specified as acute or chronic	N12	-	-

Supplement table 1.

Drug- and heavy-metal-induced tubulo-interstitial and tubular conditions	N14	-	-
Other renal tubulo-interstitial diseases	N15	-	-
Renal tubulo-interstitial disorders in diseases classified elsewhere	N16	-	-
Glomerulonephritis and nephrotic syndrome	-	580-583	580-583
Chronic kidney disease (CKD)	N18	585	-
Unspecified kidney failure	N19	586	-
Disorders resulting from impaired renal tubular function	N25	588	-
Renal agenesis and other reduction defects of kidney	Q60	753.0	753.0
Cystic kidney disease	Q61	753.1	753.1
<b>Chronic liver disease</b>	<b>K70-K77, P78.8, Q44</b>	<b>570-573, 751.6, 777.8</b>	<b>570-573, 751.6, 777.8</b>
Alcoholic liver disease	K70	571	571
Toxic liver disease	K71	573	573
Hepatic failure, not elsewhere classified	K72	-	-
Chronic hepatitis, not elsewhere classified	K73	571	571
Fibrosis and cirrhosis of liver	K74	571	571
Other inflammatory liver diseases	K75	-	-
Other diseases of liver	K76	-	-
Liver disorders in diseases classified elsewhere	K77	570-573	570-573
Other specified perinatal digestive system disorders	P78.8	777.8	-
Congenital malformations of gallbladder, bile ducts and liver	Q44	751.6	751.6
<b>Sarcoidosis</b>	<b>D86</b>	<b>135</b>	<b>135</b>
<b>Autoimmune disorders</b>			
<b>Coeliac disease</b>	<b>K90.0</b>	<b>579.0</b>	-
<b>Purpura and other hemorrhagic conditions</b>	<b>D69</b>	<b>287</b>	<b>287</b>
<b>Multiple sclerosis</b>	<b>G35</b>	<b>340</b>	<b>340</b>
<b>Psoriasis</b>	<b>M07, L40</b>	<b>696</b>	<b>696</b>
<b>Rheumatoid arthritis</b>			
Seropositive rheumatoid arthritis	M05	714	712
Other rheumatoid arthritis	M06	714	712
Juvenile arthritis	M08	714	712
Juvenile arthritis in diseases classified elsewhere	M09	714	712
<b>Vasculitis</b>			
Polyarteritis nodosa and related conditions	M30	446.0	446.0
Other necrotizing vasculopathies incl Wegener	M31	446.4	446.2*
Systemic lupus erythematosus	M32	710.0	734.1
Dermatopolymyositis	M33	710.3	716
Systemic sclerosis	M34	710.1	734.0
Lupus erythematosus	L93	695.4	695.4
<b>Cancer</b>			
<b>Solid**</b>	<b>C00-C80</b>	<b>140-199</b>	<b>140-199</b>
<b>Hematology incl. lymphomas</b>	<b>C81-C97</b>	<b>200-208</b>	<b>200-207</b>

\* ICD-code differs from Wolfbane ICD8 database, where diagnosis code of Wegener's granulomatosis is 446.3

\*\* Basal cell carcinoma of skin is excluded: ICD10: C44.11, C44.21, C44.31, C44.41, C44.51, C44.61, C44.71, C44.81, C44.91. ICD8 and ICD9: 173.01, 173.11, 173.21, 173.31, 173.41, 173.51, 173.61, 173.71, 173.81, 173.91.