

Supplementary Materials

A DPC Database Study on the Safety of Atezolizumab/Bevacizumab/Carboplatin/Paclitaxel in Non-small Cell Lung Cancer in Japanese Patients

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Table S1 List of ICD-10 C34 terms (malignant neoplasm of bronchus and lung) used for excluding diseases considered not to be NSQ-NSCLC

ICD-10 code	ICD-10 name	Excluded disease
C34.1	Upper lobe, bronchus or lung	Upper lobe small cell lung cancer
C34.2	Middle lobe, bronchus or lung	Middle lobe small cell lung cancer
C34.3	Lower lobe, bronchus or lung	Lower lobe small cell lung cancer
C34.9	Bronchus or lung, unspecified	Small cell lung cancer
C34.0	Main bronchus	Hilar small cell carcinoma
C34.1	Upper lobe, bronchus or lung	Hilar squamous cell carcinoma
C34.1	Upper lobe, bronchus or lung	Upper lobe lung squamous cell carcinoma
C34.2	Middle lobe, bronchus or lung	Middle lobe lung squamous cell carcinoma
C34.3	Lower lobe, bronchus or lung	Lower lobe lung squamous cell carcinoma
C34.9	Bronchus or lung, unspecified	Lung squamous cell carcinoma
C34.9	Bronchus or lung, unspecified	Bronchial carcinoid

ICD-10 International Statistical Classification of Diseases and Related Health Problems 10th

Revision, *NSQ-NSCLC non-squamous non-small cell lung cancer*.

Table S2 List of adverse events analyzed in this study according to the ICD-10 codes

No	Adverse event	ICD-10 code	ICD-10 name
1	Interstitial lung disease	J44.8	Other specified chronic obstructive pulmonary disease
1	Interstitial lung disease	J70.0	Acute pulmonary manifestations due to radiation
1	Interstitial lung disease	J70.1	Chronic and other pulmonary manifestations due to radiation
1	Interstitial lung disease	J70.2	Acute drug-induced interstitial lung disorders
1	Interstitial lung disease	J70.4	Drug-induced interstitial lung disorders, unspecified
1	Interstitial lung disease	J82	Pulmonary eosinophilia, not elsewhere classified
1	Interstitial lung disease	J84.1	Other interstitial pulmonary diseases with fibrosis
1	Interstitial lung disease	J84.9	Interstitial pulmonary disease, unspecified
1	Interstitial lung disease	M05.10	Rheumatoid lung disease
2	Hepatic dysfunction	K71.0	Toxic liver disease with cholestasis
2	Hepatic dysfunction	K71.1	Toxic liver disease with hepatic necrosis
2	Hepatic dysfunction	K71.2	Toxic liver disease with acute hepatitis
2	Hepatic dysfunction	K71.6	Toxic liver disease with hepatitis, not elsewhere classified
2	Hepatic dysfunction	K71.7	Toxic liver disease with fibrosis and cirrhosis of liver
2	Hepatic dysfunction	K71.8	Toxic liver disease with other disorders of liver
2	Hepatic dysfunction	K71.9	Toxic liver disease, unspecified
2	Hepatic dysfunction	K72.0	Acute and subacute hepatic failure
2	Hepatic dysfunction	K72.9	Hepatic failure, unspecified
2	Hepatic dysfunction	K73.9	Chronic hepatitis, unspecified
2	Hepatic dysfunction	K74.0	Hepatic fibrosis
2	Hepatic dysfunction	K74.1	Hepatic sclerosis
2	Hepatic dysfunction	K74.3	Primary biliary cirrhosis
2	Hepatic dysfunction	K74.4	Secondary biliary cirrhosis
2	Hepatic dysfunction	K74.5	Biliary cirrhosis, unspecified
2	Hepatic dysfunction	K74.6	Other and unspecified cirrhosis of liver
2	Hepatic dysfunction	K75.0	Abscess of liver
2	Hepatic dysfunction	K75.1	Phlebitis of portal vein
2	Hepatic dysfunction	K75.2	Nonspecific reactive hepatitis
2	Hepatic dysfunction	K75.3	Granulomatous hepatitis, not elsewhere classified
2	Hepatic dysfunction	K75.4	Autoimmune hepatitis
2	Hepatic dysfunction	K75.8	Other specified inflammatory liver diseases
2	Hepatic dysfunction	K75.9	Inflammatory liver disease, unspecified
2	Hepatic dysfunction	K76.0	Fatty (change of) liver, not elsewhere classified
2	Hepatic dysfunction	K76.1	Chronic passive congestion of liver
2	Hepatic dysfunction	K76.2	Central hemorrhagic necrosis of liver
2	Hepatic dysfunction	K76.3	Infarction of liver
2	Hepatic dysfunction	K76.4	Peliosis hepatis
2	Hepatic dysfunction	K76.5	Hepatic veno-occlusive disease
2	Hepatic dysfunction	K76.7	Hepatorenal syndrome
2	Hepatic dysfunction	K76.8	Other specified diseases of liver
2	Hepatic dysfunction	K76.9	Liver disease, unspecified
2	Hepatic dysfunction	R18	Ascites

No	Adverse event	ICD-10 code	ICD-10 name
2	Hepatic dysfunction	R60.9	Edema, unspecified
2	Hepatic dysfunction	R94.5	Abnormal results of liver function studies
2	Hepatic dysfunction	S36.1	Injury of liver or gallbladder
3	Colitis/diarrhea	A09.9	Gastroenteritis and colitis of unspecified origin
3	Colitis/diarrhea	K50.1	Crohn disease of large intestine
3	Colitis/diarrhea	K50.9	Crohn disease, unspecified
3	Colitis/diarrhea	K51.0	Ulcerative (chronic) pancolitis
3	Colitis/diarrhea	K51.2	Ulcerative (chronic) proctitis
3	Colitis/diarrhea	K51.3	Ulcerative (chronic) rectosigmoiditis
3	Colitis/diarrhea	K51.5	Left sided colitis
3	Colitis/diarrhea	K51.8	Other ulcerative colitis
3	Colitis/diarrhea	K51.9	Ulcerative colitis, unspecified
3	Colitis/diarrhea	K52.1	Toxic gastroenteritis and colitis
3	Colitis/diarrhea	K52.2	Allergic and dietetic gastroenteritis and colitis
3	Colitis/diarrhea	K52.8	Other specified noninfective gastroenteritis and colitis
3	Colitis/diarrhea	K52.9	Noninfective gastroenteritis and colitis, unspecified
3	Colitis/diarrhea	K55.0	Acute vascular disorders of intestine
3	Colitis/diarrhea	K55.1	Chronic vascular disorders of intestine
3	Colitis/diarrhea	K55.2	Angiodysplasia of colon
3	Colitis/diarrhea	K55.9	Vascular disorder of intestine, unspecified
3	Colitis/diarrhea	K56.6	Other and unspecified intestinal obstruction
3	Colitis/diarrhea	K59.1	Functional diarrhea
3	Colitis/diarrhea	K62.8	Other specified diseases of anus and rectum
3	Colitis/diarrhea	K63.8	Other specified diseases of intestine
3	Colitis/diarrhea	K92.1	Melena
3	Colitis/diarrhea	K92.2	Gastrointestinal hemorrhage, unspecified
3	Colitis/diarrhea	M32.1	Systemic lupus erythematosus with organ or system involvement
3	Colitis/diarrhea	R10.1	Pain localized to upper abdomen
4	Pancreatitis	K85.0	Idiopathic acute pancreatitis
4	Pancreatitis	K85.1	Biliary acute pancreatitis
4	Pancreatitis	K85.3	Drug-induced acute pancreatitis
4	Pancreatitis	K85.9	Acute pancreatitis, unspecified
4	Pancreatitis	K86.1	Other chronic pancreatitis
4	Pancreatitis	K86.2	Cyst of pancreas
4	Pancreatitis	K86.3	Pseudocyst of pancreas
4	Pancreatitis	K86.8	Other specified diseases of pancreas
4	Pancreatitis	K86.9	Disease of pancreas, unspecified
5	Type 1 diabetes	E10	Type 1 diabetes mellitus
5	Type 1 diabetes	E10.0	Type 1 diabetes mellitus, with coma
5	Type 1 diabetes	E10.1	Type 1 diabetes mellitus, with ketoacidosis
5	Type 1 diabetes	E10.2	Type 1 diabetes mellitus, with renal complications
5	Type 1 diabetes	E10.3	Type 1 diabetes mellitus, with ophthalmic complications
5	Type 1 diabetes	E10.4	Type 1 diabetes mellitus, with neurological complications

No	Adverse event	ICD-10 code	ICD-10 name
5	Type 1 diabetes	E10.5	Type 1 diabetes mellitus, with peripheral circulatory complications
5	Type 1 diabetes	E10.6	Type 1 diabetes mellitus, with other specified complications
6	Thyroid dysfunction	E03.2	Hypothyroidism due to medicaments and other exogenous substances
6	Thyroid dysfunction	E03.4	Atrophy of thyroid (acquired)
6	Thyroid dysfunction	E03.8	Other specified hypothyroidism
6	Thyroid dysfunction	E03.9	Hypothyroidism, unspecified
6	Thyroid dysfunction	E04.0	Nontoxic diffuse goiter
6	Thyroid dysfunction	E04.1	Nontoxic single thyroid nodule
6	Thyroid dysfunction	E04.2	Nontoxic multinodular goiter
6	Thyroid dysfunction	E04.9	Nontoxic goiter, unspecified
6	Thyroid dysfunction	E05.0	Thyrotoxicosis with diffuse goiter
6	Thyroid dysfunction	E05.5	Thyroid crisis or storm
6	Thyroid dysfunction	E05.8	Other thyrotoxicosis
6	Thyroid dysfunction	E05.9	Thyrotoxicosis, unspecified
6	Thyroid dysfunction	E06.0	Acute thyroiditis
6	Thyroid dysfunction	E06.1	Subacute thyroiditis
6	Thyroid dysfunction	E06.3	Autoimmune thyroiditis
6	Thyroid dysfunction	E06.9	Thyroiditis, unspecified
6	Thyroid dysfunction	E07.0	Hypersecretion of calcitonin
6	Thyroid dysfunction	E07.8	Other specified disorders of thyroid
6	Thyroid dysfunction	E07.9	Disorder of thyroid, unspecified
7	Adrenal dysfunction	E27.1	Primary adrenocortical insufficiency
7	Adrenal dysfunction	E27.2	Addisonian crisis
7	Adrenal dysfunction	E27.3	Drug-induced adrenocortical insufficiency
7	Adrenal dysfunction	E27.4	Other and unspecified adrenocortical insufficiency
7	Adrenal dysfunction	E27.5	Adrenomedullary hyperfunction
7	Adrenal dysfunction	E27.8	Other specified disorders of adrenal gland
8	Pituitary dysfunction	E05.8	Other thyrotoxicosis
8	Pituitary dysfunction	E23.0	Hypopituitarism
8	Pituitary dysfunction	E23.1	Drug-induced hypopituitarism
8	Pituitary dysfunction	E23.2	Diabetes insipidus
8	Pituitary dysfunction	E23.3	Hypothalamic dysfunction, not elsewhere classified
8	Pituitary dysfunction	E23.6	Other disorders of pituitary gland
8	Pituitary dysfunction	E23.7	Disorder of pituitary gland, unspecified
9	Meningitis/encephalitis	G03.0	Nonpyogenic meningitis
9	Meningitis/encephalitis	G03.9	Meningitis, unspecified
9	Meningitis/encephalitis	G04.0	Acute disseminated encephalitis
9	Meningitis/encephalitis	G04.8	Other encephalitis, myelitis and encephalomyelitis
9	Meningitis/encephalitis	G04.9	Encephalitis, myelitis and encephalomyelitis, unspecified
9	Meningitis/encephalitis	G37.0	Diffuse sclerosis
9	Meningitis/encephalitis	G93.4	Encephalopathy, unspecified

No	Adverse event	ICD-10 code	ICD-10 name
9	Meningitis/encephalitis	M32.1	Systemic lupus erythematosus with organ or system involvement
10	Neuropathy	G50.0	Trigeminal neuralgia
10	Neuropathy	G50.1	Atypical facial pain
10	Neuropathy	G50.8	Other disorders of trigeminal nerve
10	Neuropathy	G50.9	Disorder of trigeminal nerve, unspecified
10	Neuropathy	G51.1	Geniculate ganglionitis
10	Neuropathy	G51.2	Melkersson syndrome
10	Neuropathy	G51.3	Clonic hemifacial spasm
10	Neuropathy	G51.4	Facial myokymia
10	Neuropathy	G51.8	Other disorders of facial nerve
10	Neuropathy	G51.9	Disorder of facial nerve, unspecified
10	Neuropathy	G52.0	Disorders of olfactory nerve
10	Neuropathy	G52.1	Disorders of glossopharyngeal nerve
10	Neuropathy	G52.2	Disorders of vagus nerve
10	Neuropathy	G52.3	Disorders of hypoglossal nerve
10	Neuropathy	G52.7	Disorders of multiple cranial nerves
10	Neuropathy	G52.8	Disorders of other specified cranial nerves
10	Neuropathy	G52.9	Cranial nerve disorder, unspecified
10	Neuropathy	G54.0	Brachial plexus disorders
10	Neuropathy	G54.1	Lumbosacral plexus disorders
10	Neuropathy	G54.2	Cervical root disorders, not elsewhere classified
10	Neuropathy	G54.3	Thoracic root disorders, not elsewhere classified
10	Neuropathy	G54.4	Lumbosacral root disorders, not elsewhere classified
10	Neuropathy	G54.5	Neuralgic amyotrophy
10	Neuropathy	G56.0	Carpal tunnel syndrome
10	Neuropathy	G56.1	Other lesions of median nerve
10	Neuropathy	G56.2	Lesion of ulnar nerve
10	Neuropathy	G56.3	Lesion of radial nerve
10	Neuropathy	G56.4	Causalgia
10	Neuropathy	G56.8	Other mononeuropathies of upper limb
10	Neuropathy	G56.9	Mononeuropathy of upper limb, unspecified
10	Neuropathy	G57.0	Lesion of sciatic nerve
10	Neuropathy	G57.1	Meralgia paresthetica
10	Neuropathy	G57.2	Lesion of femoral nerve
10	Neuropathy	G57.3	Lesion of lateral popliteal nerve
10	Neuropathy	G57.4	Lesion of medial popliteal nerve
10	Neuropathy	G57.5	Tarsal tunnel syndrome
10	Neuropathy	G57.6	Lesion of plantar nerve
10	Neuropathy	G57.9	Mononeuropathy of lower limb, unspecified
10	Neuropathy	G58.0	Intercostal neuropathy
10	Neuropathy	G58.7	Mononeuritis multiplex
10	Neuropathy	G58.8	Other specified mononeuropathies
10	Neuropathy	G58.9	Mononeuropathy, unspecified

No	Adverse event	ICD-10 code	ICD-10 name
10	Neuropathy	G60.3	Idiopathic progressive neuropathy
10	Neuropathy	G60.8	Other hereditary and idiopathic neuropathies
10	Neuropathy	G60.9	Hereditary and idiopathic neuropathy, unspecified
10	Neuropathy	G61.8	Other inflammatory polyneuropathies
10	Neuropathy	G62.0	Drug-induced polyneuropathy
10	Neuropathy	G62.2	Polyneuropathy due to other toxic agents
10	Neuropathy	G62.9	Polyneuropathy, unspecified
10	Neuropathy	G64	Other disorders of peripheral nervous system
10	Neuropathy	G72.3	Periodic paralysis
10	Neuropathy	G81.0	Flaccid hemiplegia
10	Neuropathy	G81.1	Spastic hemiplegia
10	Neuropathy	G81.9	Hemiplegia, unspecified
10	Neuropathy	G82.0	Flaccid paraplegia
10	Neuropathy	G82.1	Spastic paraplegia
10	Neuropathy	G82.2	Paraplegia, unspecified
10	Neuropathy	G82.3	Flaccid tetraplegia
10	Neuropathy	G82.4	Spastic tetraplegia
10	Neuropathy	G82.5	Tetraplegia, unspecified
10	Neuropathy	G83.0	Diplegia of upper limbs
10	Neuropathy	G83.1	Monoplegia of lower limb
10	Neuropathy	G83.2	Monoplegia of upper limb
10	Neuropathy	G83.3	Monoplegia, unspecified
10	Neuropathy	G83.9	Paralytic syndrome, unspecified
10	Neuropathy	G90.0	Idiopathic peripheral autonomic neuropathy
10	Neuropathy	G90.2	Horner syndrome
10	Neuropathy	G90.3	Multi-system degeneration
10	Neuropathy	G90.4	Autonomic dysreflexia
10	Neuropathy	G90.8	Other disorders of autonomic nervous system
10	Neuropathy	G90.9	Disorder of autonomic nervous system, unspecified
10	Neuropathy	H81.2	Vestibular neuronitis
10	Neuropathy	H91.9	Deaf mutism, not elsewhere classified
10	Neuropathy	H93.3	Disorders of acoustic nerve
10	Neuropathy	M79.24	Neuralgia and neuritis, unspecified
10	Neuropathy	M79.26	Neuralgia and neuritis, unspecified
10	Neuropathy	M79.29	Neuralgia and neuritis, unspecified
10	Neuropathy	M89.00	Algoneurodystrophy
10	Neuropathy	M99.8	Other biomechanical lesions
10	Neuropathy	R25.2	Cramp and spasm
10	Neuropathy	R25.3	Fasciculation
10	Neuropathy	R25.8	Other and unspecified abnormal involuntary movements
10	Meningitis/encephalitis	R29.1	Meningismus
11	Guillain-Barre syndrome	G61.0	Guillain-Barre syndrome
12	Myasthenia gravis	G70.0	Myasthenia gravis
12	Myasthenia gravis	G70.1	Toxic myoneural disorders

No	Adverse event	ICD-10 code	ICD-10 name
12	Myasthenia gravis	G70.9	Myoneural disorder, unspecified
13	Skin disorder	H60.5	Acute otitis externa, noninfective
13	Skin disorder	H73.8	Other specified disorders of tympanic membrane
13	Skin disorder	I83.1	Varicose veins of lower extremities with inflammation
13	Skin disorder	L00	Staphylococcal scalded skin syndrome
13	Skin disorder	L01.0	Impetigo [any organism] [any site]
13	Skin disorder	L01.1	Impetiginization of other dermatoses
13	Skin disorder	L02.0	Cutaneous abscess, furuncle and carbuncle of face
13	Skin disorder	L02.1	Cutaneous abscess, furuncle and carbuncle of neck
13	Skin disorder	L02.2	Cutaneous abscess, furuncle and carbuncle of trunk
13	Skin disorder	L02.3	Cutaneous abscess, furuncle and carbuncle of buttock
13	Skin disorder	L02.4	Cutaneous abscess, furuncle and carbuncle of limb
13	Skin disorder	L02.8	Cutaneous abscess, furuncle and carbuncle of other sites
13	Skin disorder	L02.9	Cutaneous abscess, furuncle and carbuncle, unspecified
13	Skin disorder	L03.0	Cellulitis of finger and toe
13	Skin disorder	L03.1	Cellulitis of other parts of limb
13	Skin disorder	L03.2	Cellulitis of face
13	Skin disorder	L03.3	Cellulitis of trunk
13	Skin disorder	L03.8	Cellulitis of other sites
13	Skin disorder	L03.9	Cellulitis, unspecified
13	Skin disorder	L08.0	Pyoderma
13	Skin disorder	L08.1	Erythrasma
13	Skin disorder	L08.9	Local infection of skin and subcutaneous tissue, unspecified
13	Skin disorder	L10.0	Pemphigus vulgaris
13	Skin disorder	L10.1	Pemphigus vegetans
13	Skin disorder	L10.2	Pemphigus foliaceus
13	Skin disorder	L10.3	Brazilian pemphigus [fogo selvagem]
13	Skin disorder	L10.4	Pemphigus erythematosus
13	Skin disorder	L10.5	Drug-induced pemphigus
13	Skin disorder	L10.8	Other pemphigus
13	Skin disorder	L10.9	Pemphigus, unspecified
13	Skin disorder	L11.0	Acquired keratosis follicularis
13	Skin disorder	L11.1	Transient acantholytic dermatosis [Grover]
13	Skin disorder	L11.9	Acantholytic disorder, unspecified
13	Skin disorder	L12.0	Bullous pemphigoid
13	Skin disorder	L12.1	Cicatricial pemphigoid
13	Skin disorder	L12.3	Acquired epidermolysis bullosa
13	Skin disorder	L12.9	Pemphigoid, unspecified
13	Skin disorder	L13.0	Dermatitis herpetiformis
13	Skin disorder	L13.1	Subcorneal pustular dermatitis
13	Skin disorder	L13.8	Other specified bullous disorders
13	Skin disorder	L13.9	Bullous disorder, unspecified
13	Skin disorder	L20.0	Besnier prurigo
13	Skin disorder	L20.8	Other atopic dermatitis

No	Adverse event	ICD-10 code	ICD-10 name
13	Skin disorder	L21.0	Seborrhea capitis
13	Skin disorder	L21.9	Seborrheic dermatitis, unspecified
13	Skin disorder	L23.3	Allergic contact dermatitis due to drugs in contact with skin
13	Skin disorder	L23.8	Allergic contact dermatitis due to other agents
13	Skin disorder	L23.9	Allergic contact dermatitis, unspecified cause
13	Skin disorder	L26	Exfoliative dermatitis
13	Skin disorder	L27.0	Generalized skin eruption due to drugs and medicaments
13	Skin disorder	L27.1	Localized skin eruption due to drugs and medicaments
13	Skin disorder	L27.9	Dermatitis due to unspecified substance taken internally
13	Skin disorder	L28.0	Lichen simplex chronicus
13	Skin disorder	L28.1	Prurigo nodularis
13	Skin disorder	L28.2	Other prurigo
13	Skin disorder	L29.0	Pruritus ani
13	Skin disorder	L29.1	Pruritus scroti
13	Skin disorder	L29.2	Pruritus vulvae
13	Skin disorder	L29.8	Other pruritus
13	Skin disorder	L29.9	Pruritus, unspecified
13	Skin disorder	L30.0	Nummular dermatitis
13	Skin disorder	L30.1	Dyshidrosis [pompholyx]
13	Skin disorder	L30.2	Cutaneous autosensitization
13	Skin disorder	L30.3	Infective dermatitis
13	Skin disorder	L30.4	Erythema intertrigo
13	Skin disorder	L30.5	Pityriasis alba
13	Skin disorder	L30.9	Other specified dermatitis
13	Skin disorder	L40.0	Psoriasis vulgaris
13	Skin disorder	L40.1	Generalized pustular psoriasis
13	Skin disorder	L40.2	Acrodermatitis continua
13	Skin disorder	L40.3	Pustulosis palmaris et plantaris
13	Skin disorder	L40.4	Guttate psoriasis
13	Skin disorder	L40.8	Other psoriasis
13	Skin disorder	L40.9	Psoriasis, unspecified
13	Skin disorder	L41.0	Pityriasis lichenoides et varioliformis acuta
13	Skin disorder	L41.1	Pityriasis lichenoides chronica
13	Skin disorder	L41.3	Small plaque parapsoriasis
13	Skin disorder	L41.4	Large plaque parapsoriasis
13	Skin disorder	L41.5	Retiform parapsoriasis
13	Skin disorder	L41.8	Other parapsoriasis
13	Skin disorder	L41.9	Parapsoriasis, unspecified
13	Skin disorder	L42	Pityriasis rosea
13	Skin disorder	L43.0	Hypertrophic lichen planus
13	Skin disorder	L43.1	Bullous lichen planus
13	Skin disorder	L43.3	Subacute (active) lichen planus
13	Skin disorder	L43.8	Other lichen planus
13	Skin disorder	L43.9	Lichen planus, unspecified

No	Adverse event	ICD-10 code	ICD-10 name
13	Skin disorder	L44.0	Pityriasis rubra pilaris
13	Skin disorder	L44.1	Lichen nitidus
13	Skin disorder	L44.2	Lichen striatus
13	Skin disorder	L44.3	Lichen ruber moniliformis
13	Skin disorder	L44.9	Papulosquamous disorder, unspecified
13	Skin disorder	L50.0	Allergic urticaria
13	Skin disorder	L50.1	Idiopathic urticaria
13	Skin disorder	L50.2	Urticaria due to cold and heat
13	Skin disorder	L50.4	Vibratory urticaria
13	Skin disorder	L50.8	Other urticaria
13	Skin disorder	L50.9	Urticaria, unspecified
13	Skin disorder	L51.0	Nonbullous erythema multiforme
13	Skin disorder	L51.1	Bullous erythema multiforme
13	Skin disorder	L51.2	Toxic epidermal necrolysis [Lyell]
13	Skin disorder	L51.8	Other erythema multiforme
13	Skin disorder	L51.9	Erythema multiforme, unspecified
13	Skin disorder	L52	Erythema nodosum
13	Skin disorder	L53.0	Toxic erythema
13	Skin disorder	L53.1	Erythema annulare centrifugum
13	Skin disorder	L53.2	Erythema marginatum
13	Skin disorder	L53.8	Other specified erythematous conditions
13	Skin disorder	L53.9	Erythematous condition, unspecified
13	Skin disorder	L56.0	Drug phototoxic response
13	Skin disorder	L56.1	Drug photoallergic response
13	Skin disorder	L56.2	Photocontact dermatitis [berloque dermatitis]
13	Skin disorder	L56.3	Solar urticaria
13	Skin disorder	L56.4	Polymorphous light eruption
13	Skin disorder	L56.8	Other specified acute skin changes due to ultraviolet radiation
13	Skin disorder	L57.0	Actinic keratosis
13	Skin disorder	L57.1	Actinic reticuloid
13	Skin disorder	L57.2	Cutis rhomboidalis nuchae
13	Skin disorder	L57.4	Cutis laxa senilis
13	Skin disorder	L57.8	Other skin changes due to chronic exposure to nonionizing radiation
13	Skin disorder	L58.0	Acute radiodermatitis
13	Skin disorder	L58.9	Radiodermatitis, unspecified
13	Skin disorder	L59.0	Erythema ab igne [dermatitis ab igne]
13	Skin disorder	L59.8	Other specified disorders of skin and subcutaneous tissue related to radiation
13	Skin disorder	L70.0	Acne vulgaris
13	Skin disorder	L70.1	Acne conglobata
13	Skin disorder	L70.2	Acne varioliformis
13	Skin disorder	L70.3	Acne tropica

No	Adverse event	ICD-10 code	ICD-10 name
13	Skin disorder	L70.8	Other acne
13	Skin disorder	L70.9	Acne, unspecified
13	Skin disorder	L71.0	Perioral dermatitis
13	Skin disorder	L71.1	Rhinophyma
13	Skin disorder	L71.8	Other rosacea
13	Skin disorder	L71.9	Rosacea, unspecified
13	Skin disorder	L73.0	Acne keloid
13	Skin disorder	L73.1	Pseudofolliculitis barbae
13	Skin disorder	L73.8	Other specified follicular disorders
13	Skin disorder	L73.9	Follicular disorder, unspecified
13	Skin disorder	L80	Vitiligo
13	Skin disorder	L81.0	Postinflammatory hyperpigmentation
13	Skin disorder	L81.1	Chloasma
13	Skin disorder	L81.2	Freckles
13	Skin disorder	L81.3	Café au lait spots
13	Skin disorder	L81.4	Other melanin hyperpigmentation
13	Skin disorder	L81.6	Other disorders of diminished melanin formation
13	Skin disorder	L81.7	Pigmented purpuric dermatosis
13	Skin disorder	L81.8	Other specified disorders of pigmentation
13	Skin disorder	L81.9	Disorder of pigmentation, unspecified
13	Skin disorder	L82	Seborrheic keratosis
13	Skin disorder	L83	Acanthosis nigricans
13	Skin disorder	L85.0	Acquired ichthyosis
13	Skin disorder	L85.1	Acquired keratosis [keratoderma] palmaris et plantaris
13	Skin disorder	L85.2	Keratosis punctata (palmaris et plantaris)
13	Skin disorder	L85.3	Xerosis cutis
13	Skin disorder	L85.8	Other specified epidermal thickening
13	Skin disorder	L85.9	Epidermal thickening, unspecified
13	Skin disorder	L87.0	Keratosis follicularis et parafollicularis in cutem penetrans [Kyrle]
13	Skin disorder	L87.1	Reactive perforating collagenosis
13	Skin disorder	L87.2	Elastosis perforans serpiginosa
13	Skin disorder	L87.9	Transepidermal elimination disorder, unspecified
13	Skin disorder	L88	Pyoderma gangrenosum
13	Skin disorder	L89.0	Stage I decubitus ulcer and pressure area
13	Skin disorder	L89.1	Stage II decubitus ulcer
13	Skin disorder	L89.2	Stage III decubitus ulcer
13	Skin disorder	L89.3	Stage IV decubitus ulcer
13	Skin disorder	L89.9	Decubitus ulcer and pressure area, unspecified
13	Skin disorder	L90.0	Lichen sclerosus et atrophicus
13	Skin disorder	L90.6	Striae atrophicae
13	Skin disorder	L90.8	Other atrophic disorders of skin
13	Skin disorder	L90.9	Atrophic disorder of skin, unspecified
13	Skin disorder	L91.9	Hypertrophic disorder of skin, unspecified

No	Adverse event	ICD-10 code	ICD-10 name
13	Skin disorder	L92.0	Granuloma annulare
13	Skin disorder	L92.1	Necrobiosis lipoidica, not elsewhere classified
13	Skin disorder	L92.8	Other granulomatous disorders of skin and subcutaneous tissue
13	Skin disorder	L92.9	Granulomatous disorder of skin and subcutaneous tissue, unspecified
13	Skin disorder	L93.0	Discoid lupus erythematosus
13	Skin disorder	L93.1	Subacute cutaneous lupus erythematosus
13	Skin disorder	L93.2	Other local lupus erythematosus
13	Skin disorder	L94.0	Localized scleroderma [morphea]
13	Skin disorder	L94.1	Linear scleroderma
13	Skin disorder	L94.2	Calcinosis cutis
13	Skin disorder	L94.3	Sclerodactyly
13	Skin disorder	L94.4	Gotttron papules
13	Skin disorder	L94.5	Poikiloderma vasculare atrophicans
13	Skin disorder	L94.6	Ainhum
13	Skin disorder	L95.0	Livedoid vasculitis
13	Skin disorder	L95.1	Erythema elevatum diutinum
13	Skin disorder	L97	Ulcer of lower limb, not elsewhere classified
13	Skin disorder	L98.0	Pyogenic granuloma
13	Skin disorder	L98.1	Factitial dermatitis
13	Skin disorder	L98.2	Febrile neutrophilic dermatosis [Sweet]
13	Skin disorder	L98.3	Eosinophilic cellulitis [Wells]
13	Skin disorder	L98.4	Chronic ulcer of skin, not elsewhere classified
13	Skin disorder	L98.5	Mucinosis of skin
13	Skin disorder	L98.6	Other infiltrative disorders of skin and subcutaneous tissue
13	Skin disorder	L98.8	Other specified disorders of skin and subcutaneous tissue
13	Skin disorder	R02	Gangrene, not elsewhere classified
13	Skin disorder	R21	Rash and other nonspecific skin eruption
13	Skin disorder	R23.8	Other and unspecified skin changes
13	Skin disorder	T78.3	Angioneurotic edema
14	Renal dysfunction	D69.0	Allergic purpura
14	Renal dysfunction	D86.8	Sarcoidosis of other and combined sites
14	Renal dysfunction	M32.1	Systemic lupus erythematosus with organ or system involvement
14	Renal dysfunction	M34.8	Other forms of systemic sclerosis
14	Renal dysfunction	N00.2	Acute nephritic syndrome, with diffuse membranous glomerulonephritis
14	Renal dysfunction	N00.3	Acute nephritic syndrome, with diffuse mesangial proliferative glomerulonephritis
14	Renal dysfunction	N00.4	Acute nephritic syndrome with diffuse endocapillary proliferative glomerulonephritis
14	Renal dysfunction	N00.6	Acute nephritic syndrome, with dense deposit disease

No	Adverse event	ICD-10 code	ICD-10 name
14	Renal dysfunction	N00.7	Acute nephritic syndrome, with diffuse crescentic glomerulonephritis
14	Renal dysfunction	N00.9	Acute nephritic syndrome, unspecified
14	Renal dysfunction	N01.2	Rapidly progressive nephritic syndrome, with diffuse membranous glomerulonephritis
14	Renal dysfunction	N01.4	Rapidly progressive nephritic syndrome, with diffuse endocapillary proliferative glomerulonephritis
14	Renal dysfunction	N01.6	Rapidly progressive nephritic syndrome, with dense deposit disease
14	Renal dysfunction	N01.7	Rapidly progressive nephritic syndrome, with diffuse crescentic glomerulonephritis
14	Renal dysfunction	N01.9	Rapidly progressive nephritic syndrome, unspecified
14	Renal dysfunction	N02.8	Recurrent and persistent hematuria, other
14	Renal dysfunction	N02.9	Recurrent and persistent hematuria, unspecified
14	Renal dysfunction	N04.0	Nephrotic syndrome, with minor glomerular abnormality
14	Renal dysfunction	N04.2	Nephrotic syndrome, with diffuse membranous glomerulonephritis
14	Renal dysfunction	N04.4	Nephrotic syndrome, with diffuse endocapillary proliferative glomerulonephritis
14	Renal dysfunction	N04.6	Nephrotic syndrome, with dense deposit disease
14	Renal dysfunction	N04.8	Nephrotic syndrome, other
14	Renal dysfunction	N04.9	Nephrotic syndrome, unspecified
14	Renal dysfunction	N05.0	Unspecified nephritic syndrome, with minor glomerular abnormality
14	Renal dysfunction	N05.1	Unspecified nephritic syndrome, with focal and segmental glomerular lesions
14	Renal dysfunction	N05.2	Unspecified nephritic syndrome, with diffuse membranous glomerulonephritis
14	Renal dysfunction	N05.3	Unspecified nephritic syndrome, with diffuse mesangial proliferative glomerulonephritis
14	Renal dysfunction	N05.4	Unspecified nephritic syndrome, with diffuse endocapillary proliferative glomerulonephritis
14	Renal dysfunction	N05.5	Unspecified nephritic syndrome, with diffuse mesangiocapillary glomerulonephritis
14	Renal dysfunction	N05.6	Unspecified nephritic syndrome, with dense deposit disease
14	Renal dysfunction	N05.7	Unspecified nephritic syndrome, with diffuse crescentic glomerulonephritis
14	Renal dysfunction	N05.8	Unspecified nephritic syndrome, other
14	Renal dysfunction	N05.9	Unspecified nephritic syndrome, unspecified
14	Renal dysfunction	N06.9	Isolated proteinuria with specified morphological lesion, unspecified
14	Renal dysfunction	N10	Acute tubulo-interstitial nephritis
14	Renal dysfunction	N11.0	Nonobstructive reflux-associated chronic pyelonephritis
14	Renal dysfunction	N11.9	Chronic tubulo-interstitial nephritis, unspecified

No	Adverse event	ICD-10 code	ICD-10 name
14	Renal dysfunction	N12	Tubulo-interstitial nephritis, not specified as acute or chronic
14	Renal dysfunction	N14.2	Nephropathy induced by unspecified drug, medicament or biological substance
14	Renal dysfunction	N14.4	Toxic nephropathy, not elsewhere classified
14	Renal dysfunction	N15.0	Balkan nephropathy
14	Renal dysfunction	N15.1	Renal and perinephric abscess
14	Renal dysfunction	N17.0	Acute renal failure with tubular necrosis
14	Renal dysfunction	N17.1	Acute renal failure with acute cortical necrosis
14	Renal dysfunction	N17.2	Acute renal failure with medullary necrosis
14	Renal dysfunction	N17.8	Other acute renal failure
14	Renal dysfunction	N17.9	Acute renal failure, unspecified
14	Renal dysfunction	N18.5	Chronic kidney disease, stage 5
14	Renal dysfunction	N19	Unspecified kidney failure
14	Renal dysfunction	N20.0	Calculus of kidney
14	Renal dysfunction	N20.2	Calculus of kidney with calculus of ureter
14	Renal dysfunction	N20.9	Urinary calculus, unspecified
14	Renal dysfunction	N25.0	Renal osteodystrophy
14	Renal dysfunction	N25.1	Nephrogenic diabetes insipidus
14	Renal dysfunction	N25.8	Other disorders resulting from impaired renal tubular function
14	Renal dysfunction	N26	Unspecified contracted kidney
14	Renal dysfunction	N27.0	Small kidney, unilateral
14	Renal dysfunction	N27.1	Small kidney, bilateral
14	Renal dysfunction	N27.9	Small kidney, unspecified
14	Renal dysfunction	N28.0	Ischemia and infarction of kidney
14	Renal dysfunction	N28.1	Cyst of kidney
14	Renal dysfunction	N28.8	Other specified disorders of kidney and ureter
14	Renal dysfunction	N28.9	Disorder of kidney and ureter, unspecified
14	Renal dysfunction	N39.1	Persistent proteinuria, unspecified
14	Renal dysfunction	R31	Unspecified hematuria
14	Renal dysfunction	R39.2	Extrarenal uremia
14	Renal dysfunction	R93.4	Abnormal findings on diagnostic imaging of urinary organs
14	Renal dysfunction	R94.4	Abnormal results of kidney function studies
15	Myositis/rhabdomyolysis	D86.8	Sarcoidosis of other and combined sites
15	Myositis/rhabdomyolysis	G71.8	Other primary disorders of muscles
15	Myositis/rhabdomyolysis	G72.0	Drug-induced myopathy
15	Myositis/rhabdomyolysis	G72.2	Myopathy due to other toxic agents
15	Myositis/rhabdomyolysis	G72.4	Inflammatory myopathy, not elsewhere classified
15	Myositis/rhabdomyolysis	G72.9	Myopathy, unspecified
15	Myositis/rhabdomyolysis	M33.1	Other dermatomyositis
15	Myositis/rhabdomyolysis	M33.2	Polymyositis
15	Myositis/rhabdomyolysis	M33.9	Dermatopolymyositis, unspecified
15	Myositis/rhabdomyolysis	M35.3	Polymyalgia rheumatica
15	Myositis/rhabdomyolysis	M35.8	Other specified systemic involvement of connective tissue

No	Adverse event	ICD-10 code	ICD-10 name
15	Myositis/rhabdomyolysis	M60.19	Infective myositis
15	Myositis/rhabdomyolysis	M60.91	Myositis, unspecified
15	Myositis/rhabdomyolysis	M60.92	Myositis, unspecified
15	Myositis/rhabdomyolysis	M60.95	Myositis, unspecified
15	Myositis/rhabdomyolysis	M60.98	Myositis, unspecified
15	Myositis/rhabdomyolysis	M60.99	Myositis, unspecified
15	Myositis/rhabdomyolysis	M61.05	Myositis ossificans traumatica
15	Myositis/rhabdomyolysis	M61.09	Myositis ossificans traumatica
15	Myositis/rhabdomyolysis	M61.19	Myositis ossificans progressiva
15	Myositis/rhabdomyolysis	M61.29	Paralytic calcification and ossification of muscle
15	Myositis/rhabdomyolysis	M61.55	Other ossification of muscle
15	Myositis/rhabdomyolysis	M61.59	Other ossification of muscle
15	Myositis/rhabdomyolysis	M62.89	Other specified disorders of muscle
15	Myositis/rhabdomyolysis	M79.00	Rheumatism, unspecified
15	Myositis/rhabdomyolysis	M79.10	Myalgia
15	Myositis/rhabdomyolysis	M79.11	Myalgia
15	Myositis/rhabdomyolysis	M79.12	Myalgia
15	Myositis/rhabdomyolysis	M79.13	Myalgia
15	Myositis/rhabdomyolysis	M79.15	Myalgia
15	Myositis/rhabdomyolysis	M79.16	Myalgia
15	Myositis/rhabdomyolysis	M79.18	Myalgia
15	Myositis/rhabdomyolysis	M79.19	Myalgia
15	Myositis/rhabdomyolysis	M79.79	Fibromyalgia
16	Cardiac disorder	D86.8	Sarcoidosis of other and combined sites
16	Cardiac disorder	E85.4	Organ-limited amyloidosis
16	Cardiac disorder	E88.8	Other specified metabolic disorders
16	Cardiac disorder	E88.9	Metabolic disorder, unspecified
16	Cardiac disorder	I01.0	Acute rheumatic pericarditis
16	Cardiac disorder	I01.1	Acute rheumatic endocarditis
16	Cardiac disorder	I01.2	Acute rheumatic myocarditis
16	Cardiac disorder	I01.8	Other acute rheumatic heart disease
16	Cardiac disorder	I01.9	Acute rheumatic heart disease, unspecified
16	Cardiac disorder	I05.0	Congestive heart failure
16	Cardiac disorder	I05.1	Left ventricular failure
16	Cardiac disorder	I05.2	Mitral stenosis with insufficiency
16	Cardiac disorder	I05.8	Other mitral valve diseases
16	Cardiac disorder	I05.9	Heart failure, unspecified
16	Cardiac disorder	I06.0	Rheumatic aortic stenosis
16	Cardiac disorder	I06.1	Rheumatic aortic insufficiency
16	Cardiac disorder	I06.2	Rheumatic aortic stenosis with insufficiency
16	Cardiac disorder	I06.9	Rheumatic aortic valve disease, unspecified
16	Cardiac disorder	I07.0	Tricuspid stenosis
16	Cardiac disorder	I07.1	Tricuspid insufficiency
16	Cardiac disorder	I07.2	Tricuspid stenosis with insufficiency

No	Adverse event	ICD-10 code	ICD-10 name
16	Cardiac disorder	I07.8	Other tricuspid valve diseases
16	Cardiac disorder	I07.9	Tricuspid valve disease, unspecified
16	Cardiac disorder	I08.0	Disorders of both mitral and aortic valves
16	Cardiac disorder	I08.1	Disorders of both mitral and tricuspid valves
16	Cardiac disorder	I08.2	Disorders of both aortic and tricuspid valves
16	Cardiac disorder	I08.3	Combined disorders of mitral, aortic, and tricuspid valves
16	Cardiac disorder	I08.8	Other multiple valve diseases
16	Cardiac disorder	I08.9	Multiple valve disease, unspecified
16	Cardiac disorder	I09.0	Rheumatic myocarditis
16	Cardiac disorder	I09.1	Rheumatic diseases of endocardium, valve unspecified
16	Cardiac disorder	I09.2	Chronic rheumatic pericarditis
16	Cardiac disorder	I09.9	Rheumatic heart disease, unspecified
16	Cardiac disorder	I20.0	Unstable angina
16	Cardiac disorder	I20.1	Angina pectoris with documented spasm
16	Cardiac disorder	I20.8	Other forms of angina pectoris
16	Cardiac disorder	I20.9	Angina pectoris, unspecified
16	Cardiac disorder	I21.0	Acute transmural myocardial infarction of anterior wall
16	Cardiac disorder	I21.1	Acute transmural myocardial infarction of inferior wall
16	Cardiac disorder	I21.2	Acute transmural myocardial infarction of other sites
16	Cardiac disorder	I21.3	Acute transmural myocardial infarction of unspecified site
16	Cardiac disorder	I21.4	Acute subendocardial myocardial infarction
16	Cardiac disorder	I21.9	Acute myocardial infarction, unspecified
16	Cardiac disorder	I22.0	Subsequent myocardial infarction of anterior wall
16	Cardiac disorder	I22.1	Subsequent myocardial infarction of inferior wall
16	Cardiac disorder	I22.8	Subsequent myocardial infarction of other sites
16	Cardiac disorder	I22.9	Subsequent myocardial infarction of unspecified site
16	Cardiac disorder	I23.0	Hemopericardium as current complication following acute myocardial infarction
16	Cardiac disorder	I23.1	Atrial septal defect as current complication following acute myocardial infarction
16	Cardiac disorder	I23.2	Ventricular septal defect as current complication following acute myocardial infarction
16	Cardiac disorder	I23.3	Rupture of cardiac wall without hemopericardium as current complication following acute myocardial infarction
16	Cardiac disorder	I23.4	Rupture of chordae tendineae as current complication following acute myocardial infarction
16	Cardiac disorder	I23.5	Rupture of papillary muscle as current complication following acute myocardial infarction
16	Cardiac disorder	I23.6	Thrombosis of atrium, auricular appendage, and ventricle as current complications following acute myocardial infarction
16	Cardiac disorder	I23.8	Other current complications following acute myocardial infarction
16	Cardiac disorder	I24.0	Coronary thrombosis not resulting in myocardial infarction
16	Cardiac disorder	I24.1	Dressler syndrome

No	Adverse event	ICD-10 code	ICD-10 name
16	Cardiac disorder	I24.8	Other forms of acute ischemic heart disease
16	Cardiac disorder	I24.9	Acute ischemic heart disease, unspecified
16	Cardiac disorder	I25.1	Atherosclerotic heart disease
16	Cardiac disorder	I25.2	Old myocardial infarction
16	Cardiac disorder	I25.3	Aneurysm of heart
16	Cardiac disorder	I25.4	Coronary artery aneurysm and dissection
16	Cardiac disorder	I25.5	Ischemic cardiomyopathy
16	Cardiac disorder	I25.6	Silent myocardial ischemia
16	Cardiac disorder	I25.8	Other forms of chronic ischemic heart disease
16	Cardiac disorder	I25.9	Chronic ischemic heart disease, unspecified
16	Cardiac disorder	I30.0	Acute nonspecific idiopathic pericarditis
16	Cardiac disorder	I30.8	Other forms of acute pericarditis
16	Cardiac disorder	I30.9	Acute pericarditis, unspecified
16	Cardiac disorder	I31.9	Disease of pericardium, unspecified
16	Cardiac disorder	I33.9	Acute endocarditis, unspecified
16	Cardiac disorder	I34.0	Mitral (valve) insufficiency
16	Cardiac disorder	I34.1	Mitral (valve) prolapse
16	Cardiac disorder	I34.2	Nonrheumatic mitral (valve) stenosis
16	Cardiac disorder	I34.8	Other nonrheumatic mitral valve disorders
16	Cardiac disorder	I35.0	Aortic (valve) stenosis
16	Cardiac disorder	I35.1	Aortic (valve) insufficiency
16	Cardiac disorder	I35.2	Aortic (valve) stenosis with insufficiency
16	Cardiac disorder	I35.8	Other aortic valve disorders
16	Cardiac disorder	I35.9	Aortic valve disorder, unspecified
16	Cardiac disorder	I36.0	Nonrheumatic tricuspid (valve) stenosis
16	Cardiac disorder	I36.1	Nonrheumatic tricuspid (valve) insufficiency
16	Cardiac disorder	I36.2	Nonrheumatic tricuspid (valve) stenosis with insufficiency
16	Cardiac disorder	I36.9	Nonrheumatic tricuspid valve disorder, unspecified
16	Cardiac disorder	I37.0	Pulmonary valve stenosis
16	Cardiac disorder	I37.1	Pulmonary valve insufficiency
16	Cardiac disorder	I37.2	Pulmonary valve stenosis with insufficiency
16	Cardiac disorder	I37.9	Pulmonary valve disorder, unspecified
16	Cardiac disorder	I38	Endocarditis, valve unspecified
16	Cardiac disorder	I40.1	Isolated myocarditis
16	Cardiac disorder	I40.8	Other acute myocarditis
16	Cardiac disorder	I40.9	Acute myocarditis, unspecified
16	Cardiac disorder	I42.0	Dilated cardiomyopathy
16	Cardiac disorder	I42.1	Obstructive hypertrophic cardiomyopathy
16	Cardiac disorder	I42.2	Other hypertrophic cardiomyopathy
16	Cardiac disorder	I42.3	Endomyocardial (eosinophilic) disease
16	Cardiac disorder	I42.4	Endocardial fibroelastosis
16	Cardiac disorder	I42.5	Other restrictive cardiomyopathy
16	Cardiac disorder	I42.6	Alcoholic cardiomyopathy
16	Cardiac disorder	I42.7	Cardiomyopathy due to drugs and other external agents

No	Adverse event	ICD-10 code	ICD-10 name
16	Cardiac disorder	I42.8	Other cardiomyopathies
16	Cardiac disorder	I42.9	Cardiomyopathy, unspecified
16	Cardiac disorder	I44.0	Atrioventricular block, first degree
16	Cardiac disorder	I44.1	Atrioventricular block, second degree
16	Cardiac disorder	I44.2	Atrioventricular block, complete
16	Cardiac disorder	I44.3	Other and unspecified atrioventricular block
16	Cardiac disorder	I44.4	Left anterior fascicular block
16	Cardiac disorder	I44.5	Left posterior fascicular block
16	Cardiac disorder	I44.6	Other and unspecified fascicular block
16	Cardiac disorder	I44.7	Left bundle-branch block, unspecified
16	Cardiac disorder	I45.1	Other and unspecified right bundle-branch block
16	Cardiac disorder	I45.2	Bifascicular block
16	Cardiac disorder	I45.3	Trifascicular block
16	Cardiac disorder	I45.4	Nonspecific intraventricular block
16	Cardiac disorder	I45.5	Other specified heart block
16	Cardiac disorder	I45.6	Pre-excitation syndrome
16	Cardiac disorder	I45.8	Other specified conduction disorders
16	Cardiac disorder	I45.9	Conduction disorder, unspecified
16	Cardiac disorder	I46.0	Cardiac arrest with successful resuscitation
16	Cardiac disorder	I46.1	Sudden cardiac death, so described
16	Cardiac disorder	I46.9	Cardiac arrest, unspecified
16	Cardiac disorder	I47.0	Re-entry ventricular arrhythmia
16	Cardiac disorder	I47.1	Supraventricular tachycardia
16	Cardiac disorder	I47.2	Ventricular tachycardia
16	Cardiac disorder	I47.9	Paroxysmal tachycardia, unspecified
16	Cardiac disorder	I48.0	Paroxysmal atrial fibrillation
16	Cardiac disorder	I48.1	Persistent atrial fibrillation
16	Cardiac disorder	I48.2	Chronic atrial fibrillation
16	Cardiac disorder	I48.9	Atrial fibrillation and atrial flutter, unspecified
16	Cardiac disorder	I49.0	Ventricular fibrillation and flutter
16	Cardiac disorder	I49.1	Atrial premature depolarization
16	Cardiac disorder	I49.2	Junctional premature depolarization
16	Cardiac disorder	I49.3	Ventricular premature depolarization
16	Cardiac disorder	I49.4	Other and unspecified premature depolarization
16	Cardiac disorder	I49.5	Sick sinus syndrome
16	Cardiac disorder	I49.8	Other specified cardiac arrhythmias
16	Cardiac disorder	I49.9	Cardiac arrhythmia, unspecified
16	Cardiac disorder	I50.0	Congestive heart failure
16	Cardiac disorder	I50.1	Left ventricular failure
16	Cardiac disorder	I50.9	Heart failure, unspecified
16	Cardiac disorder	I51.3	Intracardiac thrombosis, not elsewhere classified
16	Cardiac disorder	I51.4	Myocarditis, unspecified
16	Cardiac disorder	I51.5	Myocardial degeneration
16	Cardiac disorder	I51.8	Other ill-defined heart diseases

No	Adverse event	ICD-10 code	ICD-10 name
16	Cardiac disorder	I51.9	Heart disease, unspecified
16	Cardiac disorder	R00.0	Tachycardia, unspecified
16	Cardiac disorder	R00.1	Bradycardia, unspecified
16	Cardiac disorder	R00.8	Other and unspecified abnormalities of heart beat
16	Cardiac disorder	R57.0	Cardiogenic shock
16	Cardiac disorder	R57.1	Hypovolemic shock
16	Cardiac disorder	R57.9	Shock, unspecified
16	Cardiac disorder	R94.3	Abnormal results of cardiovascular function studies
17	Arthritis	D69.0	Allergic purpura
17	Arthritis	D76.3	Other histiocytosis syndromes
17	Arthritis	D86.8	Sarcoidosis of other and combined sites
17	Arthritis	E85.4	Organ-limited amyloidosis
17	Arthritis	G98	Other disorders of nervous system, not elsewhere classified
17	Arthritis	K07.6	Temporomandibular joint disorders
17	Arthritis	L40.3	Pustulosis palmaris et plantaris
17	Arthritis	L40.5	Arthropathic psoriasis
17	Arthritis	M05.00	Felty syndrome
17	Arthritis	M05.30	Rheumatoid arthritis with involvement of other organs and systems
17	Arthritis	M05.90	Seropositive rheumatoid arthritis, unspecified
17	Arthritis	M05.91	Seropositive rheumatoid arthritis, unspecified
17	Arthritis	M05.92	Seropositive rheumatoid arthritis, unspecified
17	Arthritis	M05.93	Seropositive rheumatoid arthritis, unspecified
17	Arthritis	M05.94	Seropositive rheumatoid arthritis, unspecified
17	Arthritis	M05.95	Seropositive rheumatoid arthritis, unspecified
17	Arthritis	M05.96	Seropositive rheumatoid arthritis, unspecified
17	Arthritis	M05.97	Seropositive rheumatoid arthritis, unspecified
17	Arthritis	M05.98	Seropositive rheumatoid arthritis, unspecified
17	Arthritis	M06.00	Seronegative rheumatoid arthritis
17	Arthritis	M06.01	Seronegative rheumatoid arthritis
17	Arthritis	M06.02	Seronegative rheumatoid arthritis
17	Arthritis	M06.03	Seronegative rheumatoid arthritis
17	Arthritis	M06.04	Seronegative rheumatoid arthritis
17	Arthritis	M06.05	Seronegative rheumatoid arthritis
17	Arthritis	M06.06	Seronegative rheumatoid arthritis
17	Arthritis	M06.07	Seronegative rheumatoid arthritis
17	Arthritis	M06.08	Seronegative rheumatoid arthritis
17	Arthritis	M06.20	Rheumatoid bursitis
17	Arthritis	M06.30	Rheumatoid nodule
17	Arthritis	M06.40	Inflammatory polyarthropathy
17	Arthritis	M06.90	Rheumatoid arthritis, unspecified
17	Arthritis	M06.91	Rheumatoid arthritis, unspecified
17	Arthritis	M06.92	Rheumatoid arthritis, unspecified
17	Arthritis	M06.93	Rheumatoid arthritis, unspecified

No	Adverse event	ICD-10 code	ICD-10 name
17	Arthritis	M06.94	Rheumatoid arthritis, unspecified
17	Arthritis	M06.95	Rheumatoid arthritis, unspecified
17	Arthritis	M06.96	Rheumatoid arthritis, unspecified
17	Arthritis	M06.97	Rheumatoid arthritis, unspecified
17	Arthritis	M06.98	Rheumatoid arthritis, unspecified
17	Arthritis	M13.00	Polyarthritis, unspecified
17	Arthritis	M13.11	Monoarthritis, not elsewhere classified
17	Arthritis	M13.12	Monoarthritis, not elsewhere classified
17	Arthritis	M13.13	Monoarthritis, not elsewhere classified
17	Arthritis	M13.14	Monoarthritis, not elsewhere classified
17	Arthritis	M13.15	Monoarthritis, not elsewhere classified
17	Arthritis	M13.16	Monoarthritis, not elsewhere classified
17	Arthritis	M13.17	Monoarthritis, not elsewhere classified
17	Arthritis	M13.18	Monoarthritis, not elsewhere classified
17	Arthritis	M13.19	Monoarthritis, not elsewhere classified
17	Arthritis	M13.89	Other specified arthritis
17	Arthritis	M13.99	Arthritis, unspecified
18	Eye disorder	E05.0	Thyrotoxicosis with diffuse goiter
18	Eye disorder	H00.0	Hordeolum and other deep inflammation of eyelid
18	Eye disorder	H01.0	Blepharitis
18	Eye disorder	H01.1	Noninfectious dermatoses of eyelid
18	Eye disorder	H01.8	Other specified inflammation of eyelid
18	Eye disorder	H04.0	Dacryoadenitis
18	Eye disorder	H04.3	Acute and unspecified inflammation of lacrimal passages
18	Eye disorder	H05.0	Acute inflammation of orbit
18	Eye disorder	H05.1	Chronic inflammatory disorders of orbit
18	Eye disorder	H10.0	Mucopurulent conjunctivitis
18	Eye disorder	H10.1	Acute atopic conjunctivitis
18	Eye disorder	H10.2	Other acute conjunctivitis
18	Eye disorder	H10.3	Acute conjunctivitis, unspecified
18	Eye disorder	H10.4	Chronic conjunctivitis
18	Eye disorder	H10.5	Blepharoconjunctivitis
18	Eye disorder	H10.8	Other conjunctivitis
18	Eye disorder	H10.9	Conjunctivitis, unspecified
18	Eye disorder	H11.1	Conjunctival degenerations and deposits
18	Eye disorder	H15.0	Scleritis
18	Eye disorder	H15.1	Episcleritis
18	Eye disorder	H15.8	Other disorders of sclera
18	Eye disorder	H16.0	Corneal ulcer
18	Eye disorder	H16.1	Other superficial keratitis without conjunctivitis
18	Eye disorder	H16.2	Keratoconjunctivitis
18	Eye disorder	H16.3	Interstitial and deep keratitis
18	Eye disorder	H16.8	Other keratitis
18	Eye disorder	H16.9	Keratitis, unspecified

No	Adverse event	ICD-10 code	ICD-10 name
18	Eye disorder	H18.8	Other specified disorders of cornea
18	Eye disorder	H20.0	Acute and subacute iridocyclitis
18	Eye disorder	H20.1	Chronic iridocyclitis
18	Eye disorder	H20.2	Lens-induced iridocyclitis
18	Eye disorder	H20.8	Other iridocyclitis
18	Eye disorder	H20.9	Iridocyclitis, unspecified
18	Eye disorder	H21.8	Other specified disorders of iris and ciliary body
18	Eye disorder	H30.0	Focal chorioretinal inflammation
18	Eye disorder	H30.1	Disseminated chorioretinal inflammation
18	Eye disorder	H30.2	Posterior cyclitis
18	Eye disorder	H30.9	Chorioretinal inflammation, unspecified
18	Eye disorder	H35.0	Background retinopathy and retinal vascular changes
18	Eye disorder	H35.5	Hereditary retinal dystrophy
18	Eye disorder	H35.8	Other specified retinal disorders
18	Eye disorder	H43.8	Other disorders of vitreous body
18	Eye disorder	H44.0	Purulent endophthalmitis
18	Eye disorder	H44.1	Other endophthalmitis
18	Eye disorder	H44.9	Disorder of globe, unspecified
18	Eye disorder	H46	Optic neuritis
19	Febrile neutropenia	D70	Agranulocytosis

ICD-10 International Statistical Classification of Diseases and Related Health Problems 10th

Revision.

Table S3 List of adverse event treatments analyzed in this study according to the ATC codes

No.	Adverse event	ATC code	Substance name/subgroup name
1	Interstitial lung disease	H02AB04	Methylprednisolone
1	Interstitial lung disease	H02AB06	Prednisolone
2	Hepatic dysfunction	H02AB04	Methylprednisolone
2	Hepatic dysfunction	H02AB06	Prednisolone
2	Hepatic dysfunction	A05AA02	Ursodeoxycholic acid
2	Hepatic dysfunction	A05BA08	Glycyrrhizic acid
3	Colitis/diarrhea	H02AB04	Methylprednisolone
3	Colitis/diarrhea	H02AB06	Prednisolone
3	Colitis/diarrhea	A07A	Intestinal antiinfectives
3	Colitis/diarrhea	A07E	Intestinal antiinflammatory agents
3	Colitis/diarrhea	A07F	Antidiarrheal microorganisms
3	Colitis/diarrhea	A07D	Antipropulsives
3	Colitis/diarrhea	A07X	Other antidiarrheals
4	Pancreatitis	H02AB04	Methylprednisolone
4	Pancreatitis	H02AB06	Prednisolone
4	Pancreatitis	B02AB	Gabexate mesilate
4	Pancreatitis	B02AB	Nafamostat mesilate
4	Pancreatitis	B02AB05	Ulinastatin
5	Type 1 diabetes	A10AB	Insulins and analogues for injection, fast-acting
5	Type 1 diabetes	A10AC	Insulins and analogues for injection, intermediate-acting
5	Type 1 diabetes		Insulins and analogues for injection, intermediate- or long-acting combined with fast-acting
5	Type 1 diabetes	A10AD	
5	Type 1 diabetes	A10AE	Insulins and analogues for injection, long-acting
6	Thyroid dysfunction	C07AA	Beta blocking agents, non-selective
6	Thyroid dysfunction	C07AB	Beta blocking agents, selective
6	Thyroid dysfunction	C07AG	Alpha and beta blocking agents
6	Thyroid dysfunction	C07BA	Beta blocking agents, non-selective, and thiazides
6	Thyroid dysfunction	C07BB	Beta blocking agents, selective, and thiazides
6	Thyroid dysfunction	C07BG	Alpha and beta blocking agents and thiazides
6	Thyroid dysfunction	C07CA	Beta blocking agents, non-selective, and other diuretics
6	Thyroid dysfunction	C07CB	Beta blocking agents, selective, and other diuretics
6	Thyroid dysfunction	C07CG	Alpha and beta blocking agents and other diuretics
6	Thyroid dysfunction		Beta blocking agents, non-selective, thiazides and other diuretics
6	Thyroid dysfunction	C07DA	
6	Thyroid dysfunction		Beta blocking agents, selective, thiazides and other diuretics
6	Thyroid dysfunction	C07DB	
6	Thyroid dysfunction	C07EA	Beta blocking agents, non-selective, and vasodilators
6	Thyroid dysfunction	C07EB	Beta blocking agents, selective, and vasodilators
6	Thyroid dysfunction	C07FB	Beta blocking agents and calcium channel blockers

No.	Adverse event	ATC code	Substance name/subgroup name
6	Thyroid dysfunction	C07FX	Beta blocking agents, other combinations
6	Thyroid dysfunction	H03AA01	Levothyroxine sodium
7	Adrenal dysfunction	H02AB09	Hydrocortisone
7	Adrenal dysfunction	H02AA02	Fludrocortisone
8	Pituitary dysfunction	H02AB04	Methylprednisolone
8	Pituitary dysfunction	H02AB06	Prednisolone
8	Pituitary dysfunction	H03AA	Thyroid hormone replenisher
8	Pituitary dysfunction	C07AA	Beta blocking agents, non-selective
8	Pituitary dysfunction	H02AB09	Hydrocortisone
8	Pituitary dysfunction	H03AA01	Levothyroxine sodium
9	Meningitis/encephalitis	H02AB04	Methylprednisolone
9	Meningitis/encephalitis	H02AB06	Prednisolone
10	Neuropathy	H02AB04	Methylprednisolone
10	Neuropathy	H02AB06	Prednisolone
10	Neuropathy	N03AX16	Pregabalin
10	Neuropathy	N06AX21	Duloxetine
11	Guillain-Barre syndrome	H02AB04	Methylprednisolone
11	Guillain-Barre syndrome	H02AB06	Prednisolone
11	Guillain-Barre syndrome	J06BA	Immunoglobulins, normal human
11	Guillain-Barre syndrome	J06BB	Specific immunoglobulins
11	Guillain-Barre syndrome	J06BC	Other immunoglobulins
12	Myasthenia gravis	H02AB04	Methylprednisolone
12	Myasthenia gravis	H02AB06	Prednisolone
12	Myasthenia gravis	N07AA02	Pyridostigmine
13	Skin disorder	H02AB04	Methylprednisolone
13	Skin disorder	H02AB06	Prednisolone
13	Skin disorder	D04AA	Antihistamines for topical use
13	Skin disorder	R01AC	Antiallergic agents, excl. corticosteroids
14	Renal dysfunction	H02AB04	Methylprednisolone
14	Renal dysfunction	H02AB06	Prednisolone
15	Myositis/rhabdomyolysis	H02AB04	Methylprednisolone
15	Myositis/rhabdomyolysis	H02AB06	Prednisolone
16	Cardiac disorder	H02AB04	Methylprednisolone
16	Cardiac disorder	H02AB06	Prednisolone
17	Arthritis	H02AB04	Methylprednisolone
17	Arthritis	H02AB06	Prednisolone
18	Eye disorder	H02AB04	Methylprednisolone
18	Eye disorder	H02AB06	Prednisolone
19	Febrile neutropenia	J01CR05	Piperacillin and beta-lactamase inhibitor
19	Febrile neutropenia	J01DD02	Ceftazidime
19	Febrile neutropenia	J01DE03	Cefozopran

No.	Adverse event	ATC code	Substance name/subgroup name
19	Febrile neutropenia	J01DE01	Cefepime
19	Febrile neutropenia	J01DE02	Cefpirome
19	Febrile neutropenia	J01DH05	Biapenem
19	Febrile neutropenia	J01DH02	Meropenem
19	Febrile neutropenia	J01DH51	Imipenem and cilastatin
19	Febrile neutropenia	J01DH04	Doripenem
19	Febrile neutropenia	J01DH55	Panipenem and betamipron

ATC Anatomical Therapeutic Chemical classification system.