

APPENDIX B. ICD-10 Code Sets used to Identify ADEs or ADRs in Administrative Data.

When a code as listed as parent code or code category (*i.e.*, K25), this indicates that all subcodes were used by the authors listed, and the causality ratings identified by Stausberg et al.^{21, 22} for all subcodes were the same. The number of subcodes is indicated in the column “No. subcodes”. If only some of the subcodes were used by some authors, the subcode and authors are listed after the parent code category. When we encountered indicating adverse drug events that were specific to a national extension of the ICD-10 coding dictionary, we listed the parent code in the Table, and the national extension and subcodes in footnotes.

Code	No. sub-codes	Description	Authors using the code	Causality Rating
A04.7		Enterocolitis due to <i>Clostridium difficile</i>	21, 22, 30, 38, 42, 44	C
A80.0		Acute paralytic poliomyelitis, vaccine-associated	29	V
D50.0		Iron deficiency anemia secondary to blood loss (chronic)	28	E
D52.1		Drug-induced folate deficiency anemia	21, 22, 29, 36, 38, 52, 58	A1
D59.0		Drug-induced autoimmune hemolytic anemia	21-24, 29, 34-36, 38, 40, 58	A1
D59.2		Drug-induced non autoimmune hemolytic anemia	21-23, 29, 34-36, 38, 40, 52, 58	A1
D61.1 ¹		Drug-induced aplastic anaemia	21-23, 29, 34-36, 38, 40, 52, 57, 58	A1
D61.9		Aplastic Anemia, unspecified	38, 42	E
D62	1	Acute post-hemorrhagic anemia	28, 38	D
D64.2		Secondary sideroblastic anaemia due to drugs and toxins	21, 22, 29, 38, 58	A2
D65	1	Disseminated Intravascular Coagulation (defibrination syndrome)	28	E
D68.3		Hemorrhagic disorder due to circulating anticoagulants	28, 51, 52, 57	A1
D68.4		Acquired coagulation factor deficiency	46, 52	E
D68.8		Other specified coagulation defects	52	E
D68.9		Coagulation defect, unspecified	28, 46, 52	E
D69	9	Purpura and other haemorrhagic conditions	21, 22, 24, 38	C
D69.5 ²		Secondary thrombocytopenia	21, 22, 24, 27, 38	C
D69.6		Thrombocytopenia, unspecified	21, 22, 24, 27, 38	D
D69.9		Hemorrhagic condition, unspecified	21, 22, 24, 28, 38	E
D70 ³	1	Agranulocytosis	21, 29, 38, 42, 51, 57	D

¹ D61.1 is split into D61.10 D61.18 and D61.19 in ICD-10-GM 2008, all of which were assigned an A1 causality rank.^{33,34}

² D69.5 is split into D61.52 (A1 causality rating), D69.53 (A1 causality rating), D69.57 (C causality rating), D69.58 (C causality rating) and D69.59 (C causality rating) in ICD-10-GM 2008.^{33,34}

³ D70 is split into D70.10, D70.11, D70.12, D70.18 and D70.19 in ICD-10-GM 2008 which were assigned an A1 causality rank.^{33,34}

E03.2		Hypothyroidism due to medicaments and other exogenous substances	21-23, 29, 34-36, 38, 40	A2
E06.4		Drug-induced thyroiditis	21, 22, 29, 36, 38, 52	A1
E15	1	Nondiabetic hypoglycemic coma	21, 22, 38	C
E16.0		Drug-induced hypoglycaemia without coma	21, 22, 29, 36, 38, 52	A1
E23.1		Drug-induced hypopituitarism	21, 22, 29, 36, 38, 52	A1
E24.2		Drug-induced Cushing syndrome	21, 22, 29, 36, 38, 52	A1
E27.3		Drug-induced adrenocortical insufficiency	21-23, 29, 34-36, 38, 40, 52	A1
E66.1 ⁴		Drug-induced obesity	21, 22, 29, 36, 38	A1
E86	1	Volume depletion	21, 22, 38	E
E87	9	Other disorders of fluid, electrolyte and acid-base balance	21, 22, 38	E
E87.0		Hyperosmolality and hypernatremia	21, 22, 38	E
E87.1		Hypoosmolality and hyponatremia	21, 22, 38, 51	E
E87.2		Acidosis	21, 22, 38	E
E87.3		Alkalosis	21, 22, 38	E
E87.4		Mixed disorder of acid-base balance	21, 22, 38	E
E87.5		Hyperkalemia	21, 22, 38	E
E87.6		Hypokalemia	21, 22, 38, 51	E
E87.7		Fluid overload	21, 22, 38	E
E87.8		Other disorders of electrolyte and fluid balance, not elsewhere classified	21, 22, 38	E
F05	4	Delirium, not induced by alcohol and other psychoactive substances	52	E
F11 ⁵	10	Mental and behavioural disorders due to use of opioids	21, 22, 29, 34, 35, 38, 40	A2
F13 ⁶	10	Mental and behavioural disorders due to use of sedatives or hypnotics	21, 22, 29, 34-36, 38, 40	A2
F15 ⁶	10	Mental and behavioural disorders due to use of other stimulants, including caffeine	21, 22, 29, 38	A2
F16 ⁶	10	Mental and behavioural disorders due to use of hallucinogens	29, 38	E
F19 ⁶	10	Mental and behavioral disorders due to multiple drug use and use of other psychoactive substances	22, 29, 34-36, 38, 40, 42	A2
F52	10	Sexual dysfunction, not caused by organic disorder or disease	21, 22, 38	D
F55 ⁶	1	Abuse of non-dependence-producing substances	21, 22, 38	B2
G04.0		Acute disseminated encephalitis	29, 38	E
G21.0		Malignant neuroleptic syndrome	21-23, 29, 34-36, 38, 40	A1
G21.1		Other drug-induced secondary parkinsonism	21-23, 29, 34-36, 38, 40, 52	A1

⁴ E66.1 is split into E66.10, E66.11, E66.12 and E66.19 in ICD-10-GM 2008 which were assigned the A1 causality rank.^{33,34}

⁵ Will include disorders due to illicit drug use.

⁶ F.55 is split into 9 subcodes in ICD-10 GM 2008, all of which were assigned the B2 causality rank.^{33,34}

G21.2		Secondary parkinsonism due to other external agents	21, 22, 38	A2
G24.0		Drug-induced dystonia	21-23, 29, 34-36, 38, 40, 52	A1
G25.0		Essential tremor	23, 35	A1
G25.1		Drug-induced tremor	21, 22, 29, 34, 36, 38, 40, 52	A1
G25.3		Myoclonus	29, 38	E
G25.4		Drug-induced chorea	21-23, 29, 34-36, 38, 40, 52	A1
G25.6		Drug-induced tics and other tics of organic origin	21-23, 29, 34-36, 38, 40	A1
G40.5		Special epileptic syndromes	29, 38	E
G44.4		Drug-induced headache, not elsewhere classified	21, 22, 29, 36, 38, 52	A1
G62.0		Drug-induced polyneuropathy	21, 22, 29, 33, 36, 38, 52	A1
G71.1		Myotonic disorders	29, 38	E
G72.0		Drug-induced myopathy	21-23, 29, 34-36, 38, 40, 52	A1
G95.8		Other specified diseases of spinal cord	29, 38	E
H11.3		Conjunctival hemorrhage	28	E
H21.0		Hyphaema	28	E
H26.3		Drug-induced cataract	21, 22, 29, 36, 38	A1
H31.3		Choroidal hemorrhage and rupture	28	E
H35.6		Retinal hemorrhage	28	E
H40.6		Glaucoma secondary to drugs	21, 22, 29, 38	A1
H43.1		Vitreous hemorrhage	28	E
H53	9	Visual disturbances	21, 22, 38	D
H91.0		Ototoxic hearing loss	21-23, 34-36, 38, 40	C
H92.2		Otorrhagia	28	E
I15.8 ⁷		Other secondary hypertension	21, 22, 38	D
I15.9		Secondary hypertension, unspecified	21, 22, 38	E
I26	2	Pulmonary embolism	21, 22, 38	E
I31.2		Haemopericardium, not elsewhere classified	28	E
I42.7		Cardiomyopathy due to drugs and other external agents	21-23, 29, 34-36, 38, 40	A2
I44	8	Atrioventricular and left bundle-branch block	21, 22, 38	E
I45.8		Other specified conduction disorders	21, 22, 38	E
I46.1		Sudden cardiac death, so described	31	E
I47.2		Ventricular tachycardia	21, 22, 31, 38	E
I49.0		Ventricular fibrillation and flutter	31	U

⁷ Stausberg et al. used I15.81 which exists in the ICD-10-GM only and was assigned a D causality rank.^{33,34}

I60	10	Subarachnoid hemorrhage	28	E
I61	9	Intracerebral hemorrhage	21, 22, 28, 38	E
I62	3	Other nontraumatic intracranial haemorrhage	28	
I80	6	Phlebitis and thrombophlebitis	21, 22, 38	E
I85.0		Esophageal varices with bleeding	28	U
I95	5	Hypotension	52	E
I95.2		Hypotension due to drugs	21, 22, 29, 36, 38, 51, 52, 57	AI
J38.5		Laryngeal spasm	21, 22, 38	E
J45.0		Predominantly allergic asthma	21, 22, 38	E
J45.1		Nonallergic asthma	21, 22, 38	D
J45.8		Mixed asthma	21, 22, 38	E
J46	1	Status asthmaticus	32	U
J70.2		Acute drug-induced interstitial lung disorders	21-23, 29, 34-36, 38, 40	AI
J70.3		Chronic drug-induced interstitial lung disorders	21-23, 29, 34-36, 38, 40	AI
J70.4		Drug-induced interstitial lung disorders, unspecified	21-23, 29, 33-36, 38, 40, 52	AI
J80	1	Adult respiratory distress syndrome	46	U
J81	1	Pulmonary oedema	21, 22, 38	E
K25	9	Gastric Ulcer	21, 22, 38, 42	D
K25.0		Gastric Ulcer, acute with hemorrhage	21, 22, 28, 38, 42	D
K25.2		Gastric ulcer, acute with both hemorrhage and perforation	21, 22, 28, 38, 42	D
K26	9	Duodenal Ulcer	28-30, 38	E
K26.0		Duodenal Ulcer, Acute with hemorrhage	21, 22, 28, 36, 38, 42	D
K26.2		Duodenal ulcer, acute with both hemorrhage and perforation	21, 22, 28, 38, 42	D
K26.4		Duodenal ulcer, chronic or unspecified with hemorrhage	21, 22, 28, 38, 42	D
K26.6		Duodenal ulcer, Chronic or unspecified with both haemorrhage and perforation	21, 22, 28, 38, 42	D
K27	9	Peptic ulcer, site unspecified	28-30, 38	E
K27.0		Peptic Ulcer, site unspecified, acute with hemorrhage	21, 22, 28, 38, 42	D
K27.2		Peptic ulcer, site unspecified, acute with both hemorrhage and perforation	21, 22, 28, 38, 42	D
K27.4		Peptic ulcer, site unspecified, chronic or unspecified with hemorrhage	21, 22, 28, 38, 42	D
K28	9	Gastrojejunal ulcer	21, 22, 38	D
K28.0		Gastrojejunal ulcer, acute with hemorrhage	21, 22, 28, 38	D
K28.2		Gastrojejunal ulcer, acute with both hemorrhage and perforation	21, 22, 28, 38	D
K28.4		Gastrojejunal ulcer, chronic or unspecified with hemorrhage	21, 22, 28, 38	D
K29.0		Acute hemorrhagic gastritis	21, 22, 28, 38	D
K52.1		Toxic gastroenteritis and colitis	21, 22, 38, 57	C

K52.8		Other specified noninfective gastroenteritis and colitis	30	U
K52.9		Non-Infective gastroenteritis and colitis, unspecified*	51	D
K62.5		Hemorrhage of anus and rectum	28	E
K66.1		Hemoperitoneum	28	E
K71	10	Toxic liver disease	21-23, 29, 34-36, 38, 40, 58, 60	E
K71.1		Toxic liver disease with hepatic necrosis	21-23, 29, 34-36, 40, 46, 58, 60	C
K71.2		Toxic liver disease with acute hepatitis	21-23, 29, 34-36, 40, 46, 58, 60	C
K71.6		Toxic liver disease with hepatitis, not elsewhere classified	21-23, 29, 34-36, 40, 46, 58, 60	C
K71.9		Toxic liver disease, unspecified	21-23, 29, 34-36, 40, 46, 58, 60	C
K72.0		Acute and subacute hepatic failure	21, 22, 38, 46	E
K72.9		Hepatic failure, unspecified	46	E
K76.7		Hepatorenal syndrome	46	E
K85.3 ⁸		Drug-induced acute pancreatitis	21, 22, 38	A1
K92.0		Hematemesis	28	E
K92.1		Melena	28	E
K92.2		Gastrointestinal hemorrhage, unspecified	21, 22, 28, 38	E
L10.5		Drug-induced pemphigus	21, 22, 24, 29, 38	A1
L20	3	Atopic dermatitis	52, 61	U
L21	4	Seborrhoeic dermatitis	52	E
L21.0		Seborrhoea capitis	52, 61	E
L21.1		Seborrhoeic infantile dermatitis	52, 61	E
L23.3		Allergic contact dermatitis due to drugs in contact with skin	21, 22, 24, 29, 36, 38, 52, 58	A2
L24.4		Irritant contact dermatitis due to drugs in contact with skin	21, 22, 29, 36, 38, 52, 58	A2
L25.1		Unspecified contact dermatitis due to drugs in contact with skin	21, 22, 24, 29, 36, 38, 52, 58	A2
L26	1	Exfoliative dermatitis	52	E
L27	5	Dermatitis due to substances taken internally	52	A2
L27.0		Generalized skin eruptions due to drugs and medicaments	21, 22, 24, 29, 33, 36, 38, 51, 52, 57, 58	A2
L27.1		Localized skin eruptions due to drugs and medicaments	22, 24, 29, 36, 38, 52, 57, 58	A2
L27.8		Dermatitis due to other substances taken internally	21, 22, 38, 52	A2
L27.9		Dermatitis due to unspecified substance taken internally	21, 22, 38, 52	A2
L28	3	Lichen simplex chronicus and prurigo	52	E
L29	6	Pruritus	21, 22, 38, 52	U
L30	8	Other dermatitis	52	E

⁸ Stausberg et al. used K85.30 and K85.31 which exist in ICD-10-GM only and were assigned A1 in the causality rank. ^{33,34}

L43.2		Lichenoid drug reaction	21, 22, 29, 38, 52, 58	A1
L50.0		Allergic urticaria	21, 22, 24, 38	D
L51	5	Erythema multiforme	21, 22, 38	C
L51.1		Bullous erythema multiforme/Stevens–Johnson syndrome	21, 22, 24	C
L51.2 ⁹		Toxic epidermal necrolysis (Lyell’s Syndrome)	21, 22, 24, 36	C
L51.8		Other erythema multiforme	21, 22, 24	C
L51.9		Erythema multiforme, unspecified	21, 22, 24	C
L52	1	Erythema nodosum	24, 38	E
L56.0		Drug phototoxic response	21-23, 29, 34-36, 38, 40, 52	A1
L56.1		Drug photoallergic response	21-24, 29, 34-36, 38, 40, 52	A1
L56.2		Photocontact dermatitis (berloque dermatitis)	21, 22, 38	C
L64.0		Drug-induced androgenic alopecia	21, 22, 29, 38	A1
L71.0		Perioral dermatitis	24, 38	E
M02.2		Postimmunization arthropathy	29, 36	V
M10.2 ¹⁰		Drug-induced gout	21-23, 29, 34-36, 38, 40, 52	A1
M25.0		Hemarthrosis	28	E
M31.0		Hypersensitivity angiitis	24, 38	E
M32.0		Drug-induced systemic lupus erythematosus	21, 22, 24, 29, 34-36, 38, 40	A1
M34.2		Systemic sclerosis induced by drugs and chemicals	21-23, 29, 34-36, 38, 40	A2
M62.8		Other specified disorders of muscle	38, 42	E
M80.4 ¹¹		Drug-induced osteoporosis with pathological fracture	21, 22, 29, 36, 38	A1
M81.4 ¹²		Drug-induced osteoporosis without pathological fracture	21, 22, 29, 36, 38, 57	A1
M83.5 ¹²		Other drug-induced osteomalacia in adults	21, 22, 36, 38	A1
M87.1 ¹²		Osteonecrosis due to drugs	21, 22, 29, 36, 38	A1
N14.0		Analgesic nephropathy	21-23, 29, 34, 35, 38, 40, 42, 52	A1
N14.1		Nephropathy induced by other drugs, medicaments and biological substances	21-23, 29, 33-36, 38, 40, 42, 52	A2
N14.2		Nephropathy induced by unspecified drugs, medicaments and biological substances	21-23, 29, 34-36, 38, 40, 42, 52	A2
N14.3		Nephropathy induced by heavy metals	21, 22, 34, 38, 40, 42	A2
N14.4		Toxic nephropathy, not elsewhere classified	21, 22, 34, 38, 40, 42	A2
N17	5	Acute renal failure	21, 22, 38	D
N18 ¹²	6	Chronic kidney disease	21, 22, 38	D

⁹ Stausberg et al. used codes L51.20 and L51.21 which exist in ICD-10-GM only and were assigned a C causality rank.^{33,34}

¹⁰ Stausberg et al. used codes M10.20-M10.29 which exist in ICD-10-GM only and were assigned an A1 causality rank.^{33,34}

¹¹ Stausberg et al. used codes M80.40-49, M81.40-49, M83.50-59 and M87.10-19 which exist in ICD-10-GM only and were assigned an A1 causality rank.^{33,34}

N19	1	Unspecified kidney failure	21, 22, 38	D
N42.1		Congestion and hemorrhage of prostate	28	E
N62	1	Hypertrophy of breast	21, 22, 38	E
N83.6		Hemosalpinx	28	E
N83.7		Hematoma of broad ligament	28	E
N85.7		Hematometra	28	E
N89.7		Hematocolpos	28	E
N92.1		Excessive and frequent menstruation with irregular cycle	28	U
N92.2		Excessive menstruation at puberty	28	U
N92.3		Ovulation bleeding	28	U
N92.4		Excessive bleeding in the premenopausal period	28	U
N92.6		Irregular menstruation, unspecified	28	U
N93	3	Other abnormal uterine and vaginal bleeding	28	U
N95.0		Postmenopausal bleeding	28	U
N95.3		States associated with artificial menopause	28	E
N99.0		Postprocedural renal failure	21, 22, 38	C
O26.6		Liver disorders in pregnancy, childbirth and the puerperium	21, 22, 38	D
O35.5		Maternal care for (suspected) damage to fetus by drugs	21, 22, 38	A2
O74.2		Cardiac complications of anaesthesia during labour and delivery	21, 22, 38, 45	C
O74.3		Central nervous system complications of anaesthesia during labour and delivery	21, 22, 38, 45	C
O74.4		Toxic reaction to local anesthetic during labour and delivery	21, 22, 38, 45	A1
O74.6		Other complications of spinal and epidural anesthesia during labour and delivery	21, 22, 38, 45	D
P04.0		Fetus and newborn affected by maternal anaesthesia and analgesia in pregnancy, labour and delivery	21, 22, 38	A1
P04.1		Fetus and newborn affected by other maternal medication	21, 22, 38	A1
P04.4		Fetus and newborn affected by maternal use of drugs of addiction	21, 22, 38	A2
P58.4		Neonatal jaundice due to drugs or toxins transmitted from mother or given to newborn	21, 22, 38	A2
P93	1	Reactions and intoxications due to drugs administered to fetus and newborn	21, 22, 38	A2
P96.1		Neonatal withdrawal symptoms from maternal use of drugs of addiction	21, 22, 38	A2
P96.2		Withdrawal symptoms from therapeutic use of drugs in newborn	21, 22, 38	A1
Q86.1		Fetal hydantoin syndrome	21, 22, 38	A1
Q86.2		Dysmorphism due to warfarin	21, 22, 38	A1
R00.1		Bradycardia, unspecified	21, 22, 38, 51	E
R04.0		Epistaxis	28	E

¹² Stausberg et al. used the subcodes N18.80-84, N18.89, N18.90 and N18.91 which exist in ICD-10-GM only and were assigned a D causality rank.^{33,34}

R04.1		Hemorrhage from throat	28	E
R04.8		Hemorrhage from other sites in respiratory passage	28	E
R04.9		Hemorrhage from respiratory passage, unspecified	28	E
R06.0		Dyspnea	21, 22, 38	E
R11	1	Nausea and vomiting	21, 22, 38, 51, 52, 57	E
R17	1	Unspecified jaundice	21, 22, 38, 46	E
R20	5	Disturbances of skin sensation	52	E
R21	1	Rash and other nonspecific skin eruption	21, 22, 38, 52	E
R34	1	Anuria and oliguria	21, 22, 38	E
R23	6	Other skin changes	52	E
R23.3		Spontaneous ecchymoses	28, 52	E
R31	1	Unspecified hematuria	28	E
R40	3	Somnolence, stupor and coma	52	E
R41	5	Other symptoms and signs involving cognitive functions and awareness	52	E
R41.0		Disorientation, unspecified	21, 22, 38, 52	E
R42	1	Dizziness and giddiness	21, 22, 38	E
R44	5	Other symptoms and signs involving general sensations and perceptions	52	U
R44.0		Auditory hallucinations	21, 22, 38, 52	E
R44.1		Visual hallucinations	21, 22, 38, 52	E
R44.2		Other hallucinations	21, 22, 38, 52	E
R44.3		Hallucinations, unspecified	21, 22, 38, 52	E
R50.2		Drug-induced fever	21, 22, 24, 38	A1
R51	1	Headache	21, 22, 38	E
R55	1	Syncope and collapse	21, 22, 38, 51	E
R58	1	Hemorrhage, not elsewhere classified	21, 22, 28, 38	E
R73.9		Hyperglycemia, unspecified	21, 22, 38	E
R74.0		Elevation of levels of transaminase and lactic acid dehydrogenase (LDH)	21, 22, 38	E
S06.4		Epidural hemorrhage	28	E
S06.5		Traumatic subdural hemorrhage	28	U
S06.6		Traumatic subarachnoid hemorrhage	28	U
S06.8		Other intracranial injuries	28	U
T36	10	Poisoning by systemic antibiotics	21, 22, 37, 38, 49, 53, 58	B1
T37	8	Poisoning by other systemic anti-infectives and antiparasitics	21, 22, 37, 38, 49, 53, 58	B1
T38	10	Poisoning by hormones and their synthetic substitutes and antagonists, not elsewhere classified	21, 22, 37, 38, 49, 53, 58	B1
T39	7	Poisoning by nonopioid analgesics, antipyretics and antirheumatics	21, 22, 37, 38, 49, 53, 58	B1

T39.1		Poisoning by 4-Aminophenol derivatives	21, 22, 37, 46, 49, 53, 55, 58	B1
T40	10	Poisoning by narcotics and psychodysleptics [hallucinogens]	21, 22, 37, 38, 49, 53, 58	B1
T40.3		Poisoning by Methadone	21, 22, 37, 47, 49, 53, 58	B1
T41	6	Poisoning by anaesthetics and therapeutic gases	21, 22, 37, 38, 49, 53, 58	B1
T42	9	Poisoning by antiepileptic, sedative-hypnotic and antiparkinsonism drugs	21, 22, 37, 38, 49, 53, 57, 58	B1
T43	9	Poisoning by psychotropic drugs, not elsewhere classified	21, 22, 37, 38, 42, 49, 53, 58	B1
T44	10	Poisoning by drugs primarily affecting the autonomic nervous system	21, 22, 37, 38, 49, 53, 58	B1
T45	10	Poisoning by primarily systemic and haematological agents, not elsewhere classified	21, 22, 37, 38, 49, 53, 58	B1
T46	10	Poisoning by agents primarily affecting the cardiovascular system	21, 22, 37, 38, 49, 53, 57, 58	B1
T46.0		Cardiac-stimulant glycosides and drugs of similar action	21, 22, 37, 38, 49, 53, 57-59	B1
T47	10	Poisoning by agents primarily affecting the gastrointestinal system	21, 22, 37, 38, 49, 53, 58	B1
T48	8	Poisoning by agents primarily acting on smooth and skeletal muscles and the respiratory system	21, 22, 37, 38, 49, 53, 58	B1
T49	10	Poisoning by topical agents primarily affecting skin and mucous membrane and by ophthalmological, otorhinolaryngological and dental drugs	21, 22, 37, 38, 49, 53, 58	B1
T50	10	Poisoning by diuretics and other and unspecified drugs, medicaments and biological substances	21, 22, 37, 38, 49, 53, 58	B1
T78	7	Adverse effects, not elsewhere classified	32	A2
T78.2		Anaphylactic shock, unspecified	21, 22, 32, 38, 58	A2
T78.3		Angioneurotic edema	21, 22, 32, 38	A2
T78.4		Allergy, unspecified	21, 22, 38	A2
T78.8		Other adverse effects, not elsewhere classified	21, 22, 38	A2
T78.9		Adverse effect, unspecified	21, 22, 38	A2
T80.1		Vascular complications following infusion, transfusion and therapeutic injection	21, 22, 38	A2
T80.2		Infections following infusion, transfusion and therapeutic injection	21, 22, 38	A2
T80.3		ABO incompatibility reaction	21, 22, 38	A2
T80.4		Rh incompatibility reaction	21, 22, 38	A2
T80.5		Anaphylactic shock due to serum	21, 22, 24, 32, 36, 38	A2
T80.6		Complications following infusion, transfusion and therapeutic injection: other serum reactions	21, 22, 36, 38	A2
T80.8		Other complications following infusion, transfusion and therapeutic injection	21, 22, 36, 38	A2
T80.9		Unspecified complication following infusion, transfusion and therapeutic injection	21, 22, 36, 38	A2
T81	10	Complications of procedures, not elsewhere classified	28	U
T88.0		Infection following immunization	29, 36	V
T88.1		Other complications following immunization, not elsewhere classified	24, 29, 36, 50	V
T88.2		Shock due to anaesthesia	24, 29, 36, 38, 45, 52	E
T88.3		Malignant hyperthermia due to anaesthesia	21-23, 29, 34-36, 38, 40, 45, 52	A1
T88.5		Other complications of anaesthesia	21, 22, 29, 38, 45, 52	D
T88.6		Anaphylactic shock due to adverse effect of correct drug or medicament properly administered	21-24, 29, 32-36, 38, 40, 41, 43, 50, 52, 61	A2

T88.7		Unspecified adverse event of drug or medicament	21, 22, 24, 29, 34-36, 38, 40, 41, 43, 48, 50, 52	A2
T88.8		Other specified complications of surgical and medical care, not elsewhere classified	38	E
T88.9		Complication of surgical and medical care, unspecified	38	E
T96	1	Sequelae of poisoning by drugs, medicaments and biological substances	21, 22, 38	B2
X40	1	Accidental poisoning by and exposure to nonopioid analgesics, antipyretics and antirheumatics including acetaminophen	14, 38, 46, 52, 53	B2
X41	1	Accidental poisoning by and exposure to antiepileptic, sedative hypnotic, antiparkinsonism and psychotropic drugs, not elsewhere classified	14, 38, 42, 52, 53	B2
X42	1	Accidental poisoning by and exposure to narcotics and psychodysleptics	14, 38, 42, 52, 53	B2
X43	1	Accidental poisoning by and exposure to other drugs acting on the autonomic nervous system	14, 38, 52, 53	B2
X44	1	Accidental poisoning by and exposure to other and unspecified drugs, medicaments, and biological substances	14, 38, 42, 52, 53	B2
X45.5 ¹³		Adverse effects of therapeutic use of 4-aminophenol derivatives	46	B2
Y10	1	Poisoning by and exposure to nonopioid analgesics, antipyretics and antirheumatics, undetermined intent	46	B2
Y12	1	Poisoning by and exposure to narcotics and psychodysleptics (hallucinogens), undetermined intent	21, 22, 38, 42	E
Y14	1	Poisoning by and exposure to other and unspecified drugs, medicaments, and biological substances, undetermined intent	21, 22, 38, 42	E
Y40	10	Drugs, medicaments and biological substances causing adverse effects in therapeutic use - Systemic antibiotic	14, 26, 29, 34-36, 38-40, 49-54, 57, 58, 60	A1
Y41	8	Drugs, medicaments and biological substances causing adverse effects in therapeutic use - Other systemic anti-infectives and antiparasitics	14, 26, 29, 34-36, 38-40, 49-54, 57, 58, 60	A1
Y42	10	Drugs, medicaments and biological substances causing adverse effects in therapeutic use - Hormones and their synthetic substitutes and antagonists, not elsewhere classified	14, 26, 29, 34-36, 38-40, 49-54, 57, 58	A1
Y42.7		Drugs, medicaments and biological substances causing adverse effects in therapeutic use - Hormones and their synthetic substitutes and antagonists, not elsewhere classified, Androgens and anabolic congener	14, 26, 29, 34-36, 39, 40, 43, 49-54, 57, 58	A1
Y43	9	Drugs, medicaments and biological substances causing adverse effects in therapeutic use - Primarily systemic agents	14, 26, 29, 34-36, 38-40, 49-54, 57, 58	A1
Y44	9	Drugs, medicaments and biological substances causing adverse effects in therapeutic use - Agents primarily affecting blood constituents	14, 26, 29, 34-36, 38-40, 49-54, 57, 58	A1
Y44.0		Drugs, medicaments and biological substances causing adverse effects in therapeutic use - Agents primarily affecting blood constituents, Iron preparations and other anti-hypochromic-anaemia	14, 26, 29, 34-36, 38-40, 48-54, 57, 58	A1

¹³ Used to identify acetaminophen poisoning.

		preparations		
Y44.2		Drugs, medicaments and biological substances causing adverse effects in therapeutic use - Agents primarily affecting blood constituents, Anticoagulants	14, 26, 27, 29, 34-36, 38-40, 42, 44, 49-54, 57, 58	A1
Y45	8	Drugs, medicaments and biological substances causing adverse effects in therapeutic use - Analgesics, antipyretics and anti-inflammatory drugs	14, 26, 29, 34-36, 38-40, 45, 49-54, 57, 58	A1
Y45.5		Drugs, medicaments and biological substances causing adverse effects in therapeutic use - Analgesics, antipyretics and anti-inflammatory drugs, 4-Aminophenol derivatives	14, 26, 29, 34-36, 38-40, 45, 49-55, 57, 58	A1
Y46	9	Drugs, medicaments and biological substances causing adverse effects in therapeutic use - Antiepileptics and antiparkinsonism drugs	14, 26, 29, 34-36, 38-40, 49-54, 57, 58	A1
Y47	8	Drugs, medicaments and biological substances causing adverse effects in therapeutic use - Sedatives, hypnotics and antianxiety drugs	14, 26, 29, 34-36, 38-40, 49-54, 57, 58	A1
Y47.1		Drugs, medicaments and biological substances causing adverse effects in therapeutic use - Sedatives, hypnotics and antianxiety drugs, Benzodiazepines	14, 26, 29, 34-36, 38-40, 45, 49-54, 57, 58	A1
Y48	6	Drugs, medicaments and biological substances causing adverse effects in therapeutic use - Anaesthetics and therapeutic gases	14, 26, 29, 34-36, 38-40, 45, 49-54, 57, 58	A1
Y48.1		Drugs, medicaments and biological substances causing adverse effects in therapeutic use - Anaesthetics and therapeutic gases, Parenteral anaesthetics	14, 26, 29, 34-36, 38-40, 45, 49-54, 57, 58	A1
Y48.2		Drugs, medicaments and biological substances causing adverse effects in therapeutic use - Anaesthetics and therapeutic gases, Other and unspecified general anaesthetics	14, 26, 29, 34-36, 38-40, 45, 49-54, 57, 58	A1
Y48.3		Drugs, medicaments and biological substances causing adverse effects in therapeutic use - Anaesthetics and therapeutic gases, Local anaesthetics	14, 26, 29, 34-36, 38-40, 45, 49-54, 57, 58	A1
Y48.4		Drugs, medicaments and biological substances causing adverse effects in therapeutic use - Anaesthetics and therapeutic gases, Anaesthetic, unspecified	14, 26, 29, 34-36, 38-40, 45, 49-54, 57, 58	A1
Y49	10	Drugs, medicaments and biological substances causing adverse effects in therapeutic use - Psychotropic drugs, not elsewhere classified	14, 26, 29, 34-36, 38-40, 49-54, 57, 58	A1
Y50	5	Drugs, medicaments and biological substances causing adverse effects in therapeutic use - Central nervous system stimulants, not elsewhere classified	14, 26, 29, 34-36, 38-40, 49-54, 57, 58	A1
Y51	10	Drugs, medicaments and biological substances causing adverse effects in therapeutic use - Drugs primarily affecting the autonomic nervous system	14, 26, 29, 34-36, 38-40, 49-54, 57, 58	A1
Y52	10	Drugs, medicaments and biological substances causing adverse effects in therapeutic use - Agents primarily affecting the cardiovascular system	14, 26, 29, 34-36, 38-40, 49-54, 57, 58	A1
Y53	10	Drugs, medicaments and biological substances causing adverse effects in therapeutic use - Agents primarily affecting the gastrointestinal system	14, 26, 29, 34-36, 38-40, 49-54, 57, 58	A1
Y54	10	Drugs, medicaments and biological substances causing adverse effects in therapeutic use - Agents primarily affecting water-balance and mineral and uric acid metabolism	14, 26, 29, 34-36, 38-40, 49-54, 57, 58	A1
Y55	8	Drugs, medicaments and biological substances causing adverse effects in therapeutic use - Agents	14, 26, 29, 34-36, 38-40, 49-54, 57, 58	A1

		primarily acting on smooth and skeletal muscles and the respiratory system		
Y55.1		Drugs, medicaments and biological substances causing adverse effects in therapeutic use - Agents primarily acting on smooth and skeletal muscles and the respiratory system, Skeletal muscle relaxants [neuromuscular blocking agents]	14, 26, 29, 34-36, 38-40, 45, 49-54, 57, 58	A1
Y56	10	Drugs, medicaments and biological substances causing adverse effects in therapeutic use - Topical agents primarily affecting skin and mucous membrane and ophthalmological, otorhinolaryngological and dental drugs	14, 26, 29, 34-36, 38-40, 49-54, 57, 58	A1
Y57	10	Drugs, medicaments and biological substances causing adverse effects in therapeutic use -Other and unspecified drugs and medicaments	14, 26, 29, 34-36, 38-40, 49-54, 57, 58	A1
Y57.5		Drugs, medicaments and biological substances causing adverse effects in therapeutic use -Other and unspecified drugs and medicaments, X-ray contrast media	14, 26, 29, 34-36, 38-41, 43, 49-54, 57, 58	A1
Y57.9		Drugs, medicaments and biological substances causing adverse effects in therapeutic use -Other and unspecified drugs and medicaments, Drug or medicament, unspecified	14, 21, 22, 25, 26, 29, 34-36, 38-40, 49-54, 57, 58	A2
Y58	9	Drugs, medicaments and biological substances causing adverse effects in therapeutic use - Bacterial vaccines	14, 26, 29, 34-36, 38-40, 49-54, 57, 58, 79	A1
Y59	6	Drugs, medicaments and biological substances causing adverse effects in therapeutic use - Other and unspecified vaccines and biological substances	14, 26, 29, 34-36, 38-40, 49-54, 57, 58	A1
Y59.9		Vaccine or biological substance, unspecified	14, 21, 22, 26, 29, 34-36, 38-40, 49-54, 57, 58	A2
Y60.1		Unintentional cut, puncture, perforation or haemorrhage during infusion or transfusion	50	U
Y60.2		Unintentional cut, puncture, perforation or haemorrhage during kidney dialysis or other perfusion	50	U
Y60.3		Unintentional cut, puncture, perforation or haemorrhage during injection or immunization	50	U
Y62.1		Failure of sterile precautions during infusion or transfusion	50	U
Y62.2		Failure of sterile precautions during kidney dialysis or other perfusion	50	U
Y62.3		Failure of sterile precautions during injection or immunization	50	U
Y63	9	Failure in dosage during surgical and medical care	50	C
Y64	4	Contaminated medical or biological substances	50	U
Y65.0		Mismatched blood used in transfusion	50	U
Y65.1		Wrong fluid in infusion	50	C
Y66	1	Non administration of surgical and medical care	38, 53	D
Y69	1	Unspecified misadventure during surgical and medical care	21, 22, 38	C
Y88.0		Sequelae of adverse effects caused by drugs, medicaments and biological substances in therapeutic use	29, 38	A1
Z03.6		Observation for suspected toxic effect from ingested substance	21, 22, 29, 38	A2
Z88	10	Personal history of allergy to drugs, medicaments and biological substances	24	U

*not a code to search ADE/ADR, rather ADE/ADR identified though searching with other codes