Antibiotics and anti-infectives	
Antibiotics	760.74 Anti-infectives affecting fetus or newborn via placenta or breast milk
	960.0 Poisoning by penicillins
	960.1 Poisoning by antifungal antibiotics
	960.2 Poisoning by chloramphenicol group
	960.3 Poisoning by erythromycin and other macrolides
	960.4 Poisoning by tetracycline group
	960.5 Poisoning of cephalosporin group
	960.6 Poisoning of antimycobacterial antibiotics
	960.8 Poisoning by other specified antibiotics
	960.9 Poisoning by unspecified antibiotic
	E856 Accidental poisoning by antibiotics
	E930.0 Penicillins causing adverse effects in therapeutic use
	E930.1 Antifungal antibiotics causing adverse effects in therapeutic use
	E930.2 Chloramphenicol group causing adverse effects in therapeutic use
	E930.3 Erythromycin and other macrolides causing adverse effects in therapeutic use
	E930.4 Tetracycline group causing adverse effects in therapeutic use
	E930.5 Cephalosporin group causing adverse effects in therapeutic use
	E930.6 Antimycobacterial antibiotics causing adverse effects in therapeutic use
	E930.8 Other specified antibiotics causing adverse effects in therapeutic use
	E930.9 Unspecified antibiotic causing adverse effects in therapeutic use
Clostridium difficile	008.45 Intestinal infection due to Clostridium difficile
infection	

Antibiotics and anti-infectives	
Other anti-infectives	961.0 Poisoning by sulfonamides
	961.1 Poisoning by arsenical anti-infectives
	961.2 Poisoning by heavy metal anti-infectives
	961.3 Poisoning by quinoline and hydroxyquinoline derivatives
	961.4 Poisoning by antimalarials and drugs acting on other blood protozoa
	961.5 Poisoning by other antiprotozoal drugs
	961.6 Poisoning by anthelmintics
	961.7 Poisoning by antiviral drugs
	961.8 Poisoning by other antimycobacterial drugs
	961.9 Poisoning by other and unspecified anti-infectives
	E857 Accidental poisoning by other anti-infectives
	E931.0 Sulfonamides causing adverse effects in therapeutic use
	E931.1 Arsenical anti-infectives causing adverse effects in therapeutic use
	E931.2 Heavy metal anti-infectives causing adverse effects in therapeutic use
	E931.3 Quinoline and hydroxyquinoline derivatives causing adverse effects in therapeutic use
	E931.4 Antimalarials and drugs acting on other blood protozoa causing adverse effects in therapeutic use
	E931.5 Other antiprotozoal drugs causing adverse effects in therapeutic use
	E931.6 Anthelmintics causing adverse effects in therapeutic use
	E931.7 Antiviral drugs causing adverse effects in therapeutic use
	E931.8 Other antimycobacterial drugs causing adverse effects in therapeutic use
	E931.9 Other and unspecified anti-infectives causing adverse effects in therapeutic use

Hormones	Hormones	
Steroids	365.31 Corticosteroid-induced glaucoma, glaucomatous stage	
	365.32 Corticosteroid-induced glaucoma, residual stage	
	962.0 Poisoning by adrenal cortical steroids	
	E932.0 Adrenal cortical steroids causing adverse effects in therapeutic use	
Insulin and	962.3 Poisoning by insulins and antidiabetic agents	
Hypoglycemics	995.23 Unspecified adverse effect of insulin	
	996.57 Mechanical CX due to insulin pump	
	E932.3 Insulins and antidiabetic agents causing adverse effects in therapeutic use	
Other hormones	760.76 Diethylstilbestrol [DES] affecting fetus or newborn via placenta or breast milk	
	962.1 Poisoning by androgens and anabolic congeners	
	962.2 Poisoning by ovarian hormones and synthetic substitutes	
	962.4 Poisoning by anterior pituitary hormones	
	962.5 Poisoning by posterior pituitary hormones	
	962.6 Poisoning by parathyroid and parathyroid derivatives	
	962.7 Poisoning by thyroid and thyroid derivatives	
	962.8 Poisoning by antithyroid agents	
	962.9 Poisoning by other and unspecified hormones and synthetic substitutes	
	E858.0 Accidental poisoning by hormones and synthetic substitutes	
	E932.1 Androgens and anabolic congeners causing adverse effects in therapeutic use	
	E932.2 Ovarian hormones and synthetic substitutes causing adverse effects in therapeutic use	
	E932.4 Anterior pituitary hormones causing adverse effects in therapeutic use	
	E932.5 Posterior pituitary hormones causing adverse effects in therapeutic use	
	E932.6 Parathyroid and parathyroid derivatives causing adverse effects in therapeutic use	
	E932.7 Thyroid and thyroid derivatives causing adverse effects in therapeutic use	
	E932.8 Antithyroid agents causing adverse effects in therapeutic use	
	E932.9 Other and unspec hormones and synthetic substitutes causing adv eff in therapeutic use	

Systemic agents	Systemic agents	
Antineoplasticdrugs	285.3 Antineoplastic chemotherapy induced anemia	
	528.01 Mucositis (ulcerative) due to antineoplastic therapy	
	760.78 Antimetabolic agents affecting fetus or newborn via placenta or breast milk	
	960.7 Poisoning by antineoplastic antibiotics	
	963.1 Poisoning by antineoplastic and immunosuppressive drugs	
	E930.7 Antineoplastic antibiotics causing adverse effects in therapeutic use	
	E933.1 Antineoplastic and immunosuppressive drugs causing adverse effects in therapeutic use	
Antiallergy and	963.0 Poisoning by antiallergic and antiemetic drugs	
antiemetic drugs	E933.0 Antiallergic and antiemetic drugs causing adverse effects in therapeutic use	
Other systemic agents	963.2 Poisoning by acidifying agents	
	963.3 Poisoning by alkalizing agents	
	963.4 Poisoning by enzymes, not elsewhere classified	
	963.5 Poisoning by vitamins, not elsewhere classified	
	963.8 Poisoning by other specified systemic agents	
	963.9 Poisoning by unspecified systemic agent	
	E858.1 Accidental poisoning by primarily systemic agents	
	E933.2 Acidifying agents causing adverse effects in therapeutic use	
	E933.3 Alkalizing agents causing adverse effects in therapeutic use	
	E933.4 Enzymes, not elsewhere classified, causing adverse effects in therapeutic use	
	E933.5 Vitamins, not elsewhere classified, causing adverse effects in therapeutic use	
	E933.6 Oral bisphosphonates	
	E933.7 Intravenous bisphosphonates	
	E933.8 Other systemic agents, not elsewhere classified, causing adv eff in therapeutic use	
	E933.9 Unspecified systemic agent causing adverse effects in therapeutic use	

Agents affecting blood constituents	
Anticoagulants	964.2 Poisoning by anticoagulants
	E934.2 Anticoagulants causing adverse effects in therapeutic use
Other agents that affect	964.0 Poisoning by iron and its compounds
blood constituents	964.1 Poisoning by liver preparations and other antianemic agents
	964.3 Poisoning by vitamin K (phytonadione)
	964.4 Poisoning by fibrinolysis-affecting drugs
	964.5 Poisoning by anticoagulant antagonists and other coagulants
	964.6 Poisoning by gamma globulin
	964.7 Poisoning by natural blood and blood products
	964.8 Poisoning by other specified agents affecting blood constituents
	964.9 Poisoning by unspecified agent affecting blood constituents
	E858.2 Accidental poisoning by agents primarily affecting blood constituents
	E934.0 Iron and its compounds causing adverse effects in therapeutic use
	E934.1 Liver preparations and other antianemic agents causing adv eff in therapeutic use
	E934.3 Vitamin k [phytonadione] causing adverse effects in therapeutic use
	E934.4 Fibrinolysis-affecting drugs causing adverse effects in therapeutic use
	E934.5 Anticoagulant antagonists and other coagulants causing adv eff in therapeutic use
	E934.6 Gamma globulin causing adverse effects in therapeutic use
	E934.7 Natural blood and blood products causing adverse effects in therapeutic use
	E934.8 Other agents affecting blood constituents causing adverse effects in therapeutic use
	E934.9 Unspecified agent affecting blood constituents causing adv eff in therapeutic use

Analgesics	
Opiates/Narcotics	965.09 Poisoning by other opiates and related narcotics
	E850.2 Accidental poisoning by other opiates and related narcotics
	E935.2 Other opiates and related narcotics causing adverse effects in therapeutic use
NSAIDS	965.1 Poisoning by salicylates
	965.4 Poisoning by aromatic analgesics, not elsewhere classified
	965.5 Poisoning by pyrazole derivatives
	965.61 Poisoning by propionic acid derivatives
	965.69 Poisoning by other antirheumatics
	965.7 Poisoning by other non-narcotic analgesics
	965.8 Poisoning by other specified analgesics and antipyretics
	965.9 Poisoning by unspecified analgesic and antipyretic
	E850.3 Accidental poisoning by salicylates
	E850.4 Accidental poisoning by aromatic analgesics, not elsewhere classified
	E850.5 Accidental poisoning by pyrazole derivatives
	E850.6 Accidental poisoning by antirheumatics (antiphlogistics)
	E850.7 Accidental poisoning by other non-narcotic analgesics
	E850.8 Accidental poisoning by other specified analgesics and antipyretics
	E850.9 Accidental poisoning by unspecified analgesic or antipyretic
	E935.3 Salicylates causing adverse effects in therapeutic use
	E935.4 Aromatic analgesics, not elsewhere classified, causing adv eff in therapeutic use
	E935.5 Pyrazole derivatives causing adverse effects in therapeutic use
	E935.6 Antirheumatics [antiphlogistics] causing adverse effects in therapeutic use
	E935.7 Other non-narcotic analgesics causing adverse effects in therapeutic use
	E935.8 Other specified analgesics and antipyretics causing adverse effects in therapeutic use
	E935.9 Unspecified analgesic and antipyretic causing adverse effects in therapeutic use
	E980.0 Poisoning by analgesics, antipyretics, and antirheumatics, undetermined whether accidentally or purposely inflicted

Anticonvulsants and anti-Parkinson drugs	
Hydantoin	966.1 Poisoning by hydantoin derivatives
	E936.1 Hydantoin derivatives causing adverse effects in therapeutic use
Other anticonvulsants	760.77 Anticonvulsants affecting fetus or newborn via placenta or breast milk
	966.0 Poisoning by oxazolidine derivatives
	966.2 Poisoning by succinimides
	966.3 Poisoning by other and unspecified anticonvulsants
	E855.0 Accidental poisoning by anticonvulsant and anti-parkinsonism drugs
	E936.0 Oxazolidine derivatives causing adverse effects in therapeutic use
	E936.2 Succinimides causing adverse effects in therapeutic use
	E936.3 Other and unspecified anticonvulsants causing adverse effects in therapeutic use
Anti-Parkinson drugs	966.4 Poisoning by anti-Parkinsonism drugs
	E936.4 Anti-parkinsonism drugs causing adverse effects in therapeutic use

Sedatives or hypnotics	
Sedatives or hypnotics	967.0 Poisoning by barbiturates
	967.1 Poisoning by chloral hydrate group
	967.2 Poisoning by paraldehyde
	967.3 Poisoning by bromine compounds
	967.4 Poisoning by methaqualone compounds
	967.5 Poisoning by glutethimide group
	967.6 Poisoning by mixed sedatives, not elsewhere classified
	967.8 Poisoning by other sedatives and hypnotics
	967.9 Poisoning by unspecified sedative or hypnotic
	E851 Accidental poisoning by barbiturates
	E852.0 Accidental poisoning by chloral hydrate group
	E852.1 Accidental poisoning by paraldehyde
	E852.2 Accidental poisoning by bromine compounds
	E852.3 Accidental poisoning by methaqualone compounds
	E852.4 Accidental poisoning by glutethimide group
	E852.5 Accidental poisoning by mixed sedatives, not elsewhere classified
	E852.8 Accidental poisoning by other specified sedatives and hypnotics
	E852.9 Accidental poisoning by unspecified sedative or hypnotic
	E937.0 Barbiturates causing adverse effects in therapeutic use
	E937.1 Chloral hydrate group causing adverse effects in therapeutic use
	E937.2 Paraldehyde causing adverse effects in therapeutic use
	E937.3 Bromine compounds causing adverse effects in therapeutic use
	E937.4 Methaqualone compounds causing adverse effects in therapeutic use
	E937.5 Glutethimide group causing adverse effects in therapeutic use
	E937.6 Mixed sedatives, not elsewhere classified, causing adverse effects in therapeutic use
	E937.8 Other sedatives and hypnotics causing adverse effects in therapeutic use
	E937.9 Unspecified sedatives and hypnotics causing adverse effects in therapeutic use
	E980.1 Poisoning by barbiturates, undetermined whether accidentally or purposely inflicted
	E980.2 Poisoning by other sedatives and hypnotics, undetermined whether accidentally or purposely inflicted

APPENDIX: List of Adverse Drug Event Causes With Constituent ICD-9-CM Diagnosis Codes and Descriptions

968.6 Poisoning by peripheral nerve- and plexus-blocking anesthetics

CNS depressants and anesthetics

CNS depressants and anesthetics

668.00 Pulmonary CX of anesthesia or other sedation in labor and delivery, unspecified as to episode of care 668.01 Pulmonary CX of anesthesia or other sedation in L&D, delivered, w or w/o antepartum condition 668.02 Pulmonary CX of anesthesia or other sedation in labor and delivery, delivered, with postpartum CX 668.03 Pulmonary CX of anesthesia or other sedation in labor and delivery, antepartum condition or CX 668.04 Pulmonary CX of anesthesia or other sedation in labor and delivery, postpartum condition or CX **668.10** Cardiac CX of anesthesia or other sedation in L&D, unspecified as to episode of care or not applicable 668.11 Cardiac CX of anesthesia or other sedation in L&D, delivered, w or w/o antepartum condition **668.12** Cardiac CX of anesthesia or other sedation in labor and delivery, delivered, with postpartum CX 668.13 Cardiac CX of anesthesia or other sedation in labor and delivery, antepartum condition or CX **668.14** Cardiac CX of anesthesia or other sedation in labor and delivery, postpartum condition or CX **668.20** Central nervous system CX of anesthesia or other sedation in L&D, unspecified as to episode of care 668.21 Central nervous system CX of anesthesia or other sedation in L&D, delivered, w or w/o antepartum 668.22 Central nervous system CX of anesthesia or other sedation in L&D, delivered, with postpartum CX 668.23 Central nervous system CX of anesthesia or other sedation in L&D, antepartum condition or CX 668.24 Central nervous system CX of anesthesia or other sedation in L&D, postpartumcondition or CX **668.80** Other CX of anesthesia or other sedation in L&D, unspecified as to episode of care or not applicable 668.81 Other CX of anesthesia or other sedation in L&D, delivered, w or w/o antepartum condition 668.82 Other CX of anesthesia or other sedation in labor and delivery, delivered, with postpartum CX 668.83 Other CX of anesthesia or other sedation in labor and delivery, antepartum condition or CX **668.84** Other CX of anesthesia or other sedation in labor and delivery, postpartum condition or CX 668.90 Unspecified CX of anesthesia and other sedation in L&D, unspecified as to episode of care 668.91 Unspecified CX of anesthesia and other sedation in L&D, delivered, w or w/o antepartum condition 668.92 Unspecified CX of anesthesia and other sedation in labor and delivery, delivered, with postpartum CX 668.93 Unspecified CX of anesthesia and other sedation in labor and delivery, antepartum condition or CX 668.94 Unspecified CX of anesthesia and other sedation in labor and delivery, postpartum condition or CX **763.5** Maternal anesthesia and analgesia affecting fetus or newborn **968.0** Poisoning by central nervous system muscle-tone depressants **968.1** Poisoning by halothane **968.2** Poisoning by other gaseous anesthetics **968.3** Poisoning by intravenous anesthetics **968.4** Poisoning by other and unspecified general anesthetics **968.5** Surface (topical) and infiltration anesthetics

CNS depressants and and	CNS depressants and anesthetics	
CNS depressants and	968.7 Poisoning by spinal anesthetics	
anesthetics	968.9 Poisoning by other and unspecified local anesthetics	
	995.22 Unspecified adverse effect of anesthesia	
	995.24 Failed moderate sedation during procedure	
	995.4 Shock due to anesthesia, not elsewhere classified	
	995.86 Malignant hyperthermia	
	E855.1 Accidental poisoning by other central nervous system depressants	
	E855.2 Accidental poisoning by local anesthetics	
	E938.0 Central nervous system muscle-tone depressants causing adverse effects in therapeutic use	
	E938.1 Halothane causing adverse effects in therapeutic use	
	E938.2 Other gaseous anesthetics causing adverse effects in therapeutic use	
	E938.3 Intravenous anesthetics causing adverse effects in therapeutic use	
	E938.4 Other and unspecified general anesthetics causing adverse effects in therapeutic use	
	E938.5 Surface and infiltration anesthetics causing adverse effects in therapeutic use	
	E938.6 Peripheral nerve- and plexus-blocking anesthetics causing adverse effects in therapeutic use	
	E938.7 Spinal anesthetics causing adverse effects in therapeutic use	
	E938.9 Other and unspecified local anesthetics causing adverse effects in therapeutic use	

Psychotropic agents	
Antidepressants	969.00 Poisoning by antidepressant, unspecified
	969.01 Poisoning by monoamine oxidase inhibitors
	969.02 Poisoning by selective serotonin and norepinephrine reuptake inhibitors
	969.03 Poisoning by selective serotonin reuptake inhibitors
	969.04 Poisoning by tetracyclic antidepressants
	969.05 Poisoning by tricyclic antidepressants
	969.09 Poisoning by other antidepressants
	E854.0 Accidental poisoning by antidepressants
	E939.0 Antidepressants causing adverse effects in therapeutic use
Antipsychotics	333.92 Neuroleptic malignant syndrome
	969.3 Poisoning by other antipsychotics, neuroleptics, and major tranquilizers
	E939.3 Other antipsychotics, neuroleptics, and major tranquilizers causing adverse effects in therapeutic use
Benzodiazepine	969.4 Poisoning by benzodiazepine-based tranquilizers
	E853.2 Accidental poisoning by benzodiazepine-based tranquilizers
	E939.4 Benzodiazepine-based tranquilizers causing adverse effects in therapeutic use
Other psychotropic drugs	969.1 Poisoning by phenothiazine-based tranquilizers
(other than	969.2 Poisoning by butyrophenone-based tranquilizers
hallucinogens,	969.5 Poisoning by other tranquilizers
amphetamines, and	969.8 Poisoning by other specified psychotropic agents
caffeine)	969.9 Poisoning by unspecified psychotropic agents
	E853.0 Accidental poisoning by phenothiazine-based tranquilizers
	E853.1 Accidental poisoning by butyrophenone-based tranquilizers
	E853.8 Accidental poisoning by other specified tranquilizers
	E853.9 Accidental poisoning by unspecified tranquilizer
	E854.8 Accidental poisoning by other psychotropic agents
	E939.1 Phenothiazine-based tranquilizers causing adverse effects in therapeutic use
	E939.2 Butyrophenone-based tranquilizers causing adverse effects in therapeutic use
	E939.5 Other tranquilizers causing adverse effects in therapeutic use
	E939.8 Other psychotropic agents causing adverse effects in therapeutic use
	E939.9 Unspecified psychotropic agent causing adverse effects in therapeutic use
	E980.3 Poisoning by tranquilizers and other psychotropic agents, undetermined whether accidentally or purposely inflicted

Central nervous system drugs	
Central nervous system	970.0 Poisoning by analeptics
drugs	970.1 Poisoning by opiate antagonists
	970.8 Poisoning by other specified central nervous system stimulants
	970.81 Poisoning by cocaine
	970.89 Poisoning by other central nervous system stimulants
	970.9 Poisoning by unspecified central nervous system stimulant
	E854.3 Accidental poisoning by central nervous system stimulants
	E940.0 Analeptics causing adverse effects in therapeutic use
	E940.1 Opiate antagonists causing adverse effects in therapeutic use
	E940.8 Other specified central nervous system stimulants causing adverse effects in therapeutic use
	E940.9 Unspecified central nervous system stimulant causing adverse effects in therapeutic use

Autonomic nervous system	Autonomic nervous system drugs	
Autonomic nervous	971.0 Poisoning by parasympathomimetics (cholinergics)	
system drugs	971.1 Poisoning by parasympatholytics (anticholinergics and antimuscarinics) ands pasmolytics	
	971.2 Poisoning by sympathomimetics [adrenergics]	
	971.9 Poisoning by unspecified drug primarily affecting autonomic nervous system	
	E855.3 Accidental poisoning by parasympathomimetics [cholinergics]	
	E855.4 Accidental poisoning by parasympatholytics [anticholinergics and antimuscarinics] and spasmolytics	
	E855.5 Accidental poisoning by sympathomimetics [adrenergics]	
	E855.8 Accidental poisoning by other specified drugs acting on central and autonomic nervous systems	
	E855.9 Accidental poisoning by unspecified drug acting on central and autonomic nervous systems	
	E941.0 Parasympathomimetics [cholinergics] causing adverse effects in therapeutic use	
	E941.1 Parasympatholytics [anticholinergics and antimuscarinics] and spasmolytics causing adverse effects in therapeutic use	
	E941.2 Sympathomimetics [adrenergics] causing adverse effects in therapeutic use	
	E941.9 Unspecified drug primarily affecting the autonomic nervous system causing adverse effects in therapeutic use	

Cardiovascular drugs	
Digoxin	972.1 Poisoning by cardiotonic glycosides and drugs of similar action
	E942.1 Cardiotonic glycosides and drugs of similar action causing adverse effects in therapeutic use
Antiadrenergics (e.g.,	971.3 Poisoning by sympatholytics [antiadrenergics]
"beta blockers")	E855.6 Accidental poisoning by sympatholytics [antiadrenergics]
	E941.3 Sympatholytics [antiadrenergics] causing adverse effects in therapeutic use
Other cardiovascular	972.0 Poisoning by cardiac rhythm regulators (e.g., practolol, procainamide, propranolol, quinidine)
drugs	972.2 Poisoning by antilipemic and antiarteriosclerotic drugs
	972.3 Poisoning by ganglion-blocking agents
	972.4 Poisoning by coronary vasodilators
	972.5 Poisoning by other vasodilators
	972.6 Poisoning by other antihypertensive agents
	972.7 Poisoning by antivaricose drugs, including sclerosing agents
	972.8 Poisoning by capillary-active drugs
	972.9 Poisoning by other and unspecified agents primarily affecting the cardiovascular system
	E858.3 Accidental poisoning by agents primarily affecting cardiovascular system
	E942.0 Cardiac rhythm regulators causing adv eff in therapeutic use (e.g., propranolol)
	E942.2 Antilipemic and antiarteriosclerotic drugs causing adverse effects in the rapeutic use
	E942.3 Ganglion-blocking agents causing adverse effects in therapeutic use
	E942.4 Coronary vasodilators causing adverse effects in therapeutic use
	E942.5 Other vasodilators causing adverse effects in therapeutic use
	E942.6 Other antihypertensive agents causing adverse effects in therapeutic use
	E942.7 Antivaricose drugs, including sclerosing agents, causing adverse effects in therapeutic use
	E942.8 Capillary-active drugs causing adverse effects in therapeutic use
	E942.9 Other and unspec agents primarily affecting the cardiovascular system causing adv eff in therapeutic use

GI system drugs	
GI system drugs	973.0 Poisoning by antacids and antigastric secretion drugs
	973.1 Poisoning by irritant cathartics
	973.2 Poisoning by emollient cathartics
	973.3 Poisoning by other cathartics, including intestinal atonia
	973.4 Poisoning by digestants
	973.5 Poisoning by antidiarrheal drugs
	973.6 Poisoning by emetics
	973.8 Poisoning by other specified agents primarily affecting the gastrointestinal system
	973.9 Poisoning by unspecified agent primarily affecting the gastrointestinal system
	E858.4 Accidental poisoning by agents primarily affecting gastrointestinal system
	E943.0 Antacids and antigastric secretion drugs causing adverse effects in therapeutic use
	E943.1 Irritant cathartics causing adverse effects in therapeutic use
	E943.2 Emollient cathartics causing adverse effects in therapeutic use
	E943.3 Other cathartics, including intestinal atonia drugs, causing adverse effects in therapeutic use
	E943.4 Digestants causing adverse effects in therapeutic use
	E943.5 Antidiarrheal drugs causing adverse effects in therapeutic use
	E943.6 Emetics causing adverse effects in therapeutic use
	E943.8 Other specified agents primarily affecting the GI system causing adverse effects in therapeutic use
	E943.9 Unspecified agent primarily affecting the GI system causing adverse effects in therapeutic use

Water, mineral, and uric acid metabolism drugs	
Saluretics (e.g.,	974.3 Poisoning by saluretics
chlorothiazide)	E944.3 Saluretics causing adverse effects in therapeutic use
Other diuretics (e.g.,	974.0 Poisoning by mercurial diuretics
ethacrynic acid,	974.1 Poisoning by purine derivative diuretics
furosemide)	974.4 Poisoning by other diuretics
	E944.0 Mercurial diuretics causing adverse effects in therapeutic use
	E944.1 Purine derivative diuretics causing adverse effects in therapeutic use
	E944.4 Other diuretics causing adverse effects in therapeutic use
Other drugs affecting	974.2 Poisoning by carbonic acid anhydrase inhibitors
mineral and uric acid	974.5 Poisoning by electrolytic, caloric, and water-balance agents
metabolism	974.6 Poisoning by other mineral salts, not elsewhere classified
	974.7 Poisoning by uric acid metabolism drugs
	E858.5 Accidental poisoning by water, mineral, and uric acid metabolism drugs
	E944.2 Carbonic acid anhydrase inhibitors causing adverse effects in therapeutic use
	E944.5 Electolytic, caloric, and water-balance agents causing adv eff in therapeutic use
	E944.6 Other mineral salts, not elsewhere classified, causing adv eff in therapeutic use
	E944.7 Uric acid metabolism drugs causing adverse effects in therapeutic use

Smooth muscle and respiratory drugs	
Smooth muscle and	975.0 Poisoning by oxytocic agents
respiratory drugs	975.1 Poisoning by smooth muscle relaxants
	975.2 Poisoning by skeletal muscle relaxants
	975.3 Poisoning by other and unspecified drugs acting on muscles
	975.4 Poisoning by antitussives
	975.5 Poisoning by expectorants
	975.6 Poisoning by anticommon cold drugs
	975.7 Poisoning by antiasthmatics
	975.8 Poisoning by other and unspecified respiratory drugs
	E858.6 Accidental poisoning by agents primarily acting on the smooth and skeletal muscles and respiratory system
	E945.0 Oxytocic agents causing adverse effects in therapeutic use
	E945.1 Smooth muscle relaxants causing adverse effects in therapeutic use
	E945.2 Skeletal muscle relaxants causing adverse effects in therapeutic use
	E945.3 Other and unspecified drugs acting on muscles causing adverse effects in therapeutic use
	E945.4 Antitussives causing adverse effects in therapeutic use
	E945.5 Expectorants causing adverse effects in therapeutic use
	E945.6 Anticommon cold drugs causing adverse effects in therapeutic use
	E945.7 Antiasthmatics causing adverse effects in therapeutic use
	E945.8 Other and unspecified respiratory drugs causing adverse effects in therapeutic use

Skin, eye, and mucous m	Skin, eye, and mucous membrane drugs	
Skin, eye, and mucous	976.0 Poisoning by local anti-infectives and anti-inflammatory drugs	
membrane drugs	976.1 Poisoning by antipruritics	
	976.2 Poisoning by local astringents and local detergents	
	976.3 Poisoning by emollients, demulcents, and protectants	
	976.4 Poisoning by keratolytics, keratoplastics, other hair treatment drugs and preparations	
	976.5 Poisoning by eye anti-infectives and other eye drugs	
	976.6 Poisoning by anti-infectives and other drugs and preparations for ear, nose, and throat	
	976.7 Poisoning by dental drugs topically applied	
	976.8 Poisoning by other agents primarily affecting skin and mucous membrane	
	976.9 Poisoning by unspecified agent primarily affecting skin and mucous membrane	
	E858.7 Accidental poisoning by agents primarily affecting skin and mucous membrane, ophthalmological, ENT, and dental drugs	
	E946.0 Local anti-infectives and anti-inflammatory drugs causing adverse effects in therapeutic use	
	E946.1 Antipruritics causing adverse effects in therapeutic use	
	E946.2 Local astringents and local detergents causing adverse effects in therapeutic use	
	E946.3 Emollients, demulcents, and protectants causing adverse effects in therapeutic use	
	E946.4 Keratolytics, keratoplastics, other hair treatment drugs and preparations causing adverse effects in therapeutic use	
	E946.5 Eye anti-infectives and other eye drugs causing adverse effects in therapeutic use	
	E946.6 Anti-infectives and other drugs and preparations for ENT causing adv eff in therapeutic use	
	E946.7 Dental drugs topically applied causing adverse effects in therapeutic use	
	E946.8 Other agents primarily affecting skin and mucous membrane causing adv effects in therapeutic use	
	E946.9 Unspecified agent affecting skin and mucous membrane causing adv effects in therapeutic use	

Vaccines	
Vaccines	978.0 Poisoning by BCG vaccine
	978.1 Poisoning by typhoid and paratyphoid vaccine
	978.2 Poisoning by cholera vaccine
	978.3 Poisoning by plague vaccine
	978.4 Poisoning by tetanus vaccine
	978.5 Poisoning by diphtheria vaccine
	978.6 Poisoning by pertussis vaccine, including combinations with a pertussis component
	978.8 Poisoning by other and unspecified bacterial vaccines
	978.9 Poisoning by mixed bacterial vaccines, except combinations with a pertussis component
	979.0 Poisoning by smallpox vaccine
	979.1 Poisoning by rabies vaccine
	979.2 Poisoning by typhus vaccine
	979.3 Poisoning by yellow fever vaccine
	979.4 Poisoning by measles vaccine
	979.5 Poisoning by poliomyelitis vaccine
	979.6 Poisoning by other and unspecified viral and rickettsial vaccines
	979.7 Poisoning by mixed viral-rickettsial and bacterial vaccines, except with a pertussis component
	979.9 Poisoning by other and unspecified vaccines and biological substances
	995.21 Arthus reaction (due to vaccine)
	999.0 Generalized vaccinia as a complication of medical care, not elsewhere classified
	E875.1 Contaminated substance injected or used for vaccination
	E948.0 Bcg vaccine causing adverse effects in therapeutic use
	E948.1 Typhoid and paratyphoid vaccines causing adverse effects in therapeutic use
	E948.2 Cholera vaccine causing adverse effects in therapeutic use
	E948.3 Plague vaccine causing adverse effects in therapeutic use
	E948.4 Tetanus vaccine causing adverse effects in therapeutic use
	E948.5 Diphtheria vaccine causing adverse effects in therapeutic use
	E948.6 Pertussis vaccine, including with a pertussis component, causing adverse effects in therapeutic use
	E948.8 Other and unspecified bacterial vaccines causing adverse effects in therapeutic use
	E948.9 Mixed bacterial vaccines, except with pertussis component, causing adv effects in therapeutic use
	E949.0 Smallpox vaccine causing adverse effects in therapeutic use
	E949.1 Rabies vaccine causing adverse effects in therapeutic use
	E949.2 Typhus vaccine causing adverse effects in therapeutic use

Vaccines	
Vaccines	E949.3 Yellow fever vaccine causing adverse effects in therapeutic use
	E949.4 Measles vaccine causing adverse effects in therapeutic use
	E949.5 Poliomyelitis vaccine causing adverse effects in therapeutic use
	E949.6 Other and unspecified viral and rickettsial vaccines causing adverse effects in therapeutic use
	E949.7 Mixed viral-rickettsial and bacterial vaccines, except with pertussis, causing adv eff in therapeutic use
	E949.9 Other and unspecified vaccines and biological substances causing adverse effects in therapeutic use

Other specific drugs	
Other specific drugs	977.0 Poisoning by dietetics
	977.1 Poisoning by lipotropic drugs
	977.2 Poisoning by antidotes and chelating agents, not elsewhere classified
	977.3 Poisoning by alcohol deterrents
	977.4 Poisoning by pharmaceutical excipients
	E947.0 Dietetics causing adverse effects in therapeutic use
	E947.1 Lipotropic drugs causing adverse effects in therapeutic use
	E947.2 Antidotes and chelating agents, not elsewhere classified, causing adverse effects in therapeutic use
	E947.3 Alcohol deterrents causing adverse effects in therapeutic use
	E947.4 Pharmaceutical excipients causing adverse effects in therapeutic use

APPENDIX: List of Adverse Drug Event Causes With Constituent ICD-9-CM Diagnosis Codes and Descriptions

Nonspecific ADE causes (
Nonspecific ADE causes	288.03 Drug induced neutropenia
drug type not	332.1 Secondary parkinsonism (due to drugs)
specified)	333.72 Acute dystonia due to drugs
	333.85 Subacute dyskinesia due to drugs
	333.90 Unspecified extrapyramidal diseases (incl. medication-induced movement disorders)
	333.99 Other extrapyramidal diseases and abnormal movement disorders (incl. drug-induced)
	339.3 Drug induced headache, not elsewhere classified
	357.6 Polyneuropathy due to drugs
	359.24 Drug- induced myotonia
	528.02 Mucositis (ulcerative) due to other drugs
	692.3 Contact dermatitis and other eczema due to drugs and medicines in contact with skin
	693.0 Dermatitis due to drugs and medicines taken internally
	695.13 Stevens-Johnson syndrome
	695.14 Stevens-Johnson syndrome epidermal necrolysis overlap syndrome
	695.15 Toxic epidermal necrolysis
	909.0 Late effect of poisoning due to drug, medicinal or biological substance
	909.5 Late effect of adverse effect of drug, medicinal or biological substance
	977.8 Poisoning by other specified drugs and medicinal substances
	977.9 Poisoning by unspecified drug or medicinal substance
	E980.4 Poisoning by other specified drugs and medicinal substances, undetermined whether accidentally or purposely inflicted
	E980.5 Poisoning by unspecified drug or medicinal substance, undetermined whether accidentally or purposely inflicted
	995.0 Other anaphylactic reaction due to medicinal substance properly administered
	995.20 Unspecified adverse effect of unspecified drug, medicinal and biological substance
	995.27 Other drug allergy
	995.29 Unspecified adverse effect of other drug, medicinal and biological substance
	E875.2 Contaminated drug or biological substance administered by other means
	E858.8 Accidental poisoning by other specified drugs
	E858.9 Accidental poisoning by unspecified drug
	E947.8 Other drugs and medicinal substances causing adverse effects in therapeutic use

E947.9 Unspecified drug or medicinal substance causing adverse effects in therapeutic use